

**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**

Aspartame

**CAS Number:** 22839-47-0

**Date Report Requested:** 01/28/2008

**Time Report Requested:** 17:57:48

**First Dose M/F:** 06/27/97 / 06/27/97

**Lab:** CRC

**Test Type:** CHRONIC-LIFETIME

**Route:** DOSED FEED

**Species/Strain:** RATS/SD

**C Number:** C00117C  
**Lock Date:** 09/05/2007  
**Cage Range:** ALL  
**Date Range:** ALL  
**Reasons For Removal:** ALL  
**Removal Date Range:** ALL  
**Treatment Groups:** Include ALL  
**Version:** 1.7.0

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**FOR ALL DOSES THE TUMOR RATES IN THE FOLLOWING TISSUES/ORGANS ARE BASED ON NUMBER OF TISSUES EXAMINED.  
IN OTHER TISSUES/ORGANS RATES ARE BASED ON THE NUMBER OF ANIMALS NECROPSIED.**

Adrenal Cortex  
Adrenal Medulla  
Bone Marrow  
Brain  
Epididymis  
Heart  
Islets, Pancreatic  
Kidney  
Larynx  
Liver  
Lung  
Nose  
Ovary  
Pancreas  
Parathyroid Gland  
Pituitary Gland  
Prostate  
Salivary Glands  
Spleen  
Testes  
Thymus  
Thyroid Gland  
Urinary Bladder

Test Type: CHRONIC-LIFETIME

Route: DOSED FEED

Species/Strain: RATS/SD

**SUMMARY OF STATISTICALLY SIGNIFICANT (P<=.05) RESULTS IN THE ANALYSIS OF Aspartame**

**MALE RATS**

**Organ**

Adrenal Medulla

Heart

Islets, Pancreatic

Lung

Lymph Node

Peripheral Nerve

Skin

Spleen

Thymus

All Organs

**Morphology**

Pheochromocytoma Benign

Pheochromocytoma Malignant

Pheochromocytoma: Benign, Complex, Malignant, NOS

Lymphoma Lympho-immunoblastic

Adenoma

Carcinoma or Adenoma

Adenoma

Leukemia Monocytic

Lymphoma Lympho-immunoblastic

Leukemia Monocytic

Lymphoma Lympho-immunoblastic

Schwannoma Malignant

Schwannoma: Benign, Malignant, NOS

Lipoma

Fibroangioma

Hemangiosarcoma

Leukemia Monocytic

Lymphoma Lympho-immunoblastic

Lymphoma Lympho-immunoblastic

Hemangiosarcoma

Hemangiosarcoma or Hemangioma

Hemolymphoreticular Neoplasias

Lymphoma Lymphoimmunoblastic

Malignant Lymphoma: Malignant, Lymphocytic, Lymphoma:

Lymphoblastic, Lymphoimmunoblastic, Lymphocytic

Osteosarcoma or Osteoma

Benign Tumors

Malignant Tumors

Malignant and Benign Tumors

**FEMALE RATS**

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**SUMMARY OF STATISTICALLY SIGNIFICANT ( $P \leq .05$ ) RESULTS IN THE ANALYSIS OF Aspartame**

**Organ**

Adrenal Cortex  
Adrenal Medulla

Brain  
Ear  
Heart  
Islets, Pancreatic  
Kidney: Pelvis and Transitional Epithelium  
Kidney: Renal Tubule

Liver

Lung

Lymph Node

Mammary Gland

Oral Cavity (Oral Mucosa, Tongue, Pharynx, Tooth,  
Gingiva)  
Oral Mucosa  
Ovary

**Morphology**

Leukemia Myeloid  
Leukemia Myeloid  
Pheochromocytoma Benign  
Pheochromocytoma Malignant  
Pheochromocytoma: Benign, Complex, Malignant, NOS  
Lymphoma Lympho-immunoblastic  
Squamous Cell Carcinoma  
Myxoma  
Leukemia Myeloid  
Carcinoma  
Leukemia Monocytic  
Leukemia Myeloid  
Cholangioma  
Hepatocellular Adenoma  
Leukemia Monocytic  
Leukemia Monocytic  
Leukemia Myeloid  
Lymphoma Lympho-immunoblastic  
Leukemia Monocytic  
Leukemia Myeloid  
Lymphoma Lymphocytic  
Carcinoma  
Carcinoma or Adenoma  
Fibroadenoma  
Fibroma  
Fibroma, Fibroadenoma or Adenoma  
Fibroma, Fibroadenoma, Carcinoma, or Adenoma  
Neoplasm NOS  
Papilloma Squamous or Papilloma  
  
Squamous Cell Papilloma  
Cystadenoma  
Fibroangioma

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Pancreas	Leukemia Monocytic
Peripheral Nerve	Leukemia Myeloid
Peritoneum	Schwannoma: Benign, Malignant, NOS
Pituitary Gland: Pars Distalis or Unspecified Site	Leukemia Myeloid
	Adenoma
	Carcinoma or Adenoma
	Leukemia Myeloid
Skeletal Muscle	Leukemia Myeloid
Skin	Leukemia Myeloid
Spleen	Fibroangioma
	Leukemia Monocytic
	Leukemia Myeloid
Thymus	Leukemia Myeloid
	Thymoma Benign
Uterus	Leukemia Myeloid
	Polyp Stromal
	Sarcoma Stromal or Polyp Stromal
All Organs	Hemolymphoreticular Neoplasias
	Histiocytic Sarcoma
	Leukemia Monocytic
	Leukemia Myeloid
	Leukemia: Granulocytic
	Leukemia: Lymphocytic, Monocytic, Mononuclear, Lymphoblastic, Myeloid, Granulocytic
	Lymphoma Lymphoimmunoblastic
	Malignant Lymphoma: Malignant, Lymphocytic, Lymphoma: Lymphoblastic, Lymphoimmunoblastic, Lymphocytic
	Benign Tumors
	Malignant Tumors
	Malignant and Benign Tumors

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Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
 TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Males					
	100000 PPM	50000 PPM	10000 PPM	2000 PPM	400 PPM	80 PPM

Adrenal Cortex  
 Adenoma

TUMOR RATES

OVERALL (a)	2/100 (2%)	2/100 (2%)	5/100 (5%)	4/150 (3%)	1/149 (1%)	2/149 (1%)
POLY-3 RATE (b)	2/64.74	2/67.13	5/64.84	4/95.58	1/90.5	2/96.26
POLY-3 PERCENT (g)	3.1%	3%	7.7%	4.2%	1.1%	2.1%
TERMINAL (d)	1/27 (4%)	0/21 (0%)	3/21 (14%)	1/37 (3%)	0/34 (0%)	1/46 (2%)
FIRST INCIDENCE	629	495	634	532	589	548

STATISTICAL TESTS

LIFE TABLE	P=0.500N	P=0.522N	P=0.248	P=0.637N	P=0.204N	P=0.291N
POLY 3	P=0.539N	P=0.521N	P=0.259	P=0.627	P=0.207N	P=0.348N
POLY 1.5	P=0.537N	P=0.528N	P=0.264	P=0.632	P=0.199N	P=0.347N
POLY 6	P=0.533N	P=0.514N	P=0.251	P=0.625	P=0.216N	P=0.342N
LOGISTIC REGRESSION	P=0.534N	P=0.530N	P=0.259	P=0.631	P=0.194N	P=0.344N
COCH-ARM / FISHERS	P=0.541N	P=0.541N	P=0.267	P=0.635N	P=0.185N	P=0.342N
ORDER RESTRICTED	(e)	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	(e)



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**Lab:** CRC

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males					
	100000 PPM	50000 PPM	10000 PPM	2000 PPM	400 PPM	80 PPM
<b>Adrenal Cortex Carcinoma</b>						
<b>TUMOR RATES</b>						
OVERALL (a)	0/100 (0%)	0/100 (0%)	0/100 (0%)	0/150 (0%)	0/149 (0%)	0/149 (0%)
POLY-3 RATE (b)	0/64.38	0/66.28	0/64.31	0/94.68	0/90.02	0/95.68
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	0%
TERMINAL (d)	0/27 (0%)	0/21 (0%)	0/21 (0%)	0/37 (0%)	0/34 (0%)	0/46 (0%)
FIRST INCIDENCE	---	---	---	---	---	---
<b>STATISTICAL TESTS</b>						
LIFE TABLE	P=0.540N	P=0.590N	P=0.590N	P=0.477N	P=0.494N	P=0.434N
POLY 3	P=0.582N	P=0.576N	P=0.582N	P=0.505N	P=0.515N	P=0.503N
POLY 1.5	P=0.581N	P=0.579N	P=0.581N	P=0.503N	P=0.510N	P=0.502N
POLY 6	P=0.579N	P=0.573N	P=0.584N	P=0.506N	P=0.520N	P=0.500N
LOGISTIC REGRESSION	(e)	(e)	(e)	(e)	(e)	(e)
COCH-ARM / FISHERS	P=0.598N	P=0.598N	P=0.598N	P=0.498N	P=0.500N	P=0.500N
ORDER RESTRICTED	(e)	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	(e)



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**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
TERMINAL SACRIFICE AT 105 WEEKS**

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**Males**

**DOSE**                      **0 PPM**

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**Adrenal Cortex  
Carcinoma**

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**TUMOR RATES**

OVERALL (a)	1/149 (1%)
POLY-3 RATE (b)	1/97.04
POLY-3 PERCENT (g)	1%
TERMINAL (d)	1/33 (3%)
FIRST INCIDENCE	730 (T)

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**STATISTICAL TESTS**

LIFE TABLE	P=0.576N
POLY 3	P=0.566N
POLY 1.5	P=0.572N
POLY 6	P=0.564N
LOGISTIC REGRESSION	P=0.576N
COCH-ARM / FISHERS	P=0.582N
ORDER RESTRICTED	P=0.123N
MAX-ISO-POLY-3	P=0.156N

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**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males					
	100000 PPM	50000 PPM	10000 PPM	2000 PPM	400 PPM	80 PPM

**Adrenal Cortex  
Leukemia Lymphoblastic**

**TUMOR RATES**

OVERALL (a)	0/100 (0%)	0/100 (0%)	0/100 (0%)	0/150 (0%)	0/149 (0%)	0/149 (0%)
POLY-3 RATE (b)	0/64.38	0/66.28	0/64.31	0/94.68	0/90.02	0/95.68
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	0%
TERMINAL (d)	0/27 (0%)	0/21 (0%)	0/21 (0%)	0/37 (0%)	0/34 (0%)	0/46 (0%)
FIRST INCIDENCE	---	---	---	---	---	---

**STATISTICAL TESTS**

LIFE TABLE	(e)	(e)	(e)	(e)	(e)	(e)
POLY 3	(e)	(e)	(e)	(e)	(e)	(e)
POLY 1.5	(e)	(e)	(e)	(e)	(e)	(e)
POLY 6	(e)	(e)	(e)	(e)	(e)	(e)
LOGISTIC REGRESSION	(e)	(e)	(e)	(e)	(e)	(e)
COCH-ARM / FISHERS	(e)	(e)	(e)	(e)	(e)	(e)
ORDER RESTRICTED	(e)	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	(e)

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TERMINAL SACRIFICE AT 105 WEEKS

Males

DOSE    0 PPM

Adrenal Cortex  
Leukemia Lymphoblastic

TUMOR RATES

OVERALL (a)	0/149 (0%)
POLY-3 RATE (b)	0/97.04
POLY-3 PERCENT (g)	0%
TERMINAL (d)	0/33 (0%)
FIRST INCIDENCE	---

STATISTICAL TESTS

LIFE TABLE	(e)
POLY 3	(e)
POLY 1.5	(e)
POLY 6	(e)
LOGISTIC REGRESSION	(e)
COCH-ARM / FISHERS	(e)
ORDER RESTRICTED	(e)
MAX-ISO-POLY-3	(e)

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**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males					
	100000 PPM	50000 PPM	10000 PPM	2000 PPM	400 PPM	80 PPM
<b>Adrenal Cortex</b>						
<b>Leukemia Monocytic</b>						
<b>TUMOR RATES</b>						
OVERALL (a)	0/100 (0%)	0/100 (0%)	0/100 (0%)	0/150 (0%)	0/149 (0%)	0/149 (0%)
POLY-3 RATE (b)	0/64.38	0/66.28	0/64.31	0/94.68	0/90.02	0/95.68
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	0%
TERMINAL (d)	0/27 (0%)	0/21 (0%)	0/21 (0%)	0/37 (0%)	0/34 (0%)	0/46 (0%)
FIRST INCIDENCE	---	---	---	---	---	---
<b>STATISTICAL TESTS</b>						
LIFE TABLE	(e)	(e)	(e)	(e)	(e)	(e)
POLY 3	(e)	(e)	(e)	(e)	(e)	(e)
POLY 1.5	(e)	(e)	(e)	(e)	(e)	(e)
POLY 6	(e)	(e)	(e)	(e)	(e)	(e)
LOGISTIC REGRESSION	(e)	(e)	(e)	(e)	(e)	(e)
COCH-ARM / FISHERS	(e)	(e)	(e)	(e)	(e)	(e)
ORDER RESTRICTED	(e)	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	(e)

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**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
TERMINAL SACRIFICE AT 105 WEEKS**

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**Males**

**DOSE**                      **0 PPM**

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**Adrenal Cortex  
Leukemia Monocytic**

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**TUMOR RATES**

OVERALL (a)	0/149 (0%)
POLY-3 RATE (b)	0/97.04
POLY-3 PERCENT (g)	0%
TERMINAL (d)	0/33 (0%)
FIRST INCIDENCE	---

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**STATISTICAL TESTS**

LIFE TABLE	(e)
POLY 3	(e)
POLY 1.5	(e)
POLY 6	(e)
LOGISTIC REGRESSION	(e)
COCH-ARM / FISHERS	(e)
ORDER RESTRICTED	(e)
MAX-ISO-POLY-3	(e)

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 TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Males					
	100000 PPM	50000 PPM	10000 PPM	2000 PPM	400 PPM	80 PPM

Adrenal Cortex  
 Leukemia Myeloid

TUMOR RATES

OVERALL (a)	1/100 (1%)	0/100 (0%)	1/100 (1%)	0/150 (0%)	0/149 (0%)	2/149 (1%)
POLY-3 RATE (b)	1/64.46	0/66.28	1/64.63	0/94.68	0/90.02	2/96.46
POLY-3 PERCENT (g)	1.6%	0%	1.6%	0%	0%	2.1%
TERMINAL (d)	0/27 (0%)	0/21 (0%)	0/21 (0%)	0/37 (0%)	0/34 (0%)	0/46 (0%)
FIRST INCIDENCE	710	---	641	---	---	589

STATISTICAL TESTS

LIFE TABLE	P=0.454	(e)	P=0.404	(e)	(e)	P=0.224
POLY 3	P=0.418	(e)	P=0.419	(e)	(e)	P=0.237
POLY 1.5	P=0.418	(e)	P=0.419	(e)	(e)	P=0.237
POLY 6	P=0.422	(e)	P=0.418	(e)	(e)	P=0.242
LOGISTIC REGRESSION	P=0.431	(e)	P=0.419	(e)	(e)	P=0.238
COCH-ARM / FISHERS	P=0.402	(e)	P=0.402	(e)	(e)	P=0.249
ORDER RESTRICTED	(e)	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	(e)

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TERMINAL SACRIFICE AT 105 WEEKS**

**Males**

**DOSE**                      **0 PPM**

**Adrenal Cortex**  
**Leukemia Myeloid**

**TUMOR RATES**

<b>OVERALL (a)</b>	0/149 (0%)
<b>POLY-3 RATE (b)</b>	0/97.04
<b>POLY-3 PERCENT (g)</b>	0%
<b>TERMINAL (d)</b>	0/33 (0%)
<b>FIRST INCIDENCE</b>	---

**STATISTICAL TESTS**

<b>LIFE TABLE</b>	P=0.450
<b>POLY 3</b>	P=0.439
<b>POLY 1.5</b>	P=0.433
<b>POLY 6</b>	P=0.450
<b>LOGISTIC REGRESSION</b>	P=0.432
<b>COCH-ARM / FISHERS</b>	P=0.426
<b>ORDER RESTRICTED</b>	P=0.246
<b>MAX-ISO-POLY-3</b>	P=0.281

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TERMINAL SACRIFICE AT 105 WEEKS**

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DOSE	Males					
	100000 PPM	50000 PPM	10000 PPM	2000 PPM	400 PPM	80 PPM

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**Adrenal Medulla  
Leukemia Lymphoblastic**

**TUMOR RATES**

<b>OVERALL (a)</b>	0/100 (0%)	0/100 (0%)	0/100 (0%)	0/150 (0%)	0/149 (0%)	0/149 (0%)
<b>POLY-3 RATE (b)</b>	0/64.38	0/66.28	0/64.31	0/94.68	0/90.02	0/95.68
<b>POLY-3 PERCENT (g)</b>	0%	0%	0%	0%	0%	0%
<b>TERMINAL (d)</b>	0/27 (0%)	0/21 (0%)	0/21 (0%)	0/37 (0%)	0/34 (0%)	0/46 (0%)
<b>FIRST INCIDENCE</b>	---	---	---	---	---	---

**STATISTICAL TESTS**

<b>LIFE TABLE</b>	(e)	(e)	(e)	(e)	(e)	(e)
<b>POLY 3</b>	(e)	(e)	(e)	(e)	(e)	(e)
<b>POLY 1.5</b>	(e)	(e)	(e)	(e)	(e)	(e)
<b>POLY 6</b>	(e)	(e)	(e)	(e)	(e)	(e)
<b>LOGISTIC REGRESSION</b>	(e)	(e)	(e)	(e)	(e)	(e)
<b>COCH-ARM / FISHERS</b>	(e)	(e)	(e)	(e)	(e)	(e)
<b>ORDER RESTRICTED</b>	(e)	(e)	(e)	(e)	(e)	(e)
<b>MAX-ISO-POLY-3</b>	(e)	(e)	(e)	(e)	(e)	(e)

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Species/Strain: RATS/SD

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
TERMINAL SACRIFICE AT 105 WEEKS**

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**Males**

**DOSE**                      **0 PPM**

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**Adrenal Medulla**  
**Leukemia Lymphoblastic**

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**TUMOR RATES**

OVERALL (a)	0/149 (0%)
POLY-3 RATE (b)	0/97.04
POLY-3 PERCENT (g)	0%
TERMINAL (d)	0/33 (0%)
FIRST INCIDENCE	---

.....  
**STATISTICAL TESTS**

LIFE TABLE	(e)
POLY 3	(e)
POLY 1.5	(e)
POLY 6	(e)
LOGISTIC REGRESSION	(e)
COCH-ARM / FISHERS	(e)
ORDER RESTRICTED	(e)
MAX-ISO-POLY-3	(e)

.....

**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**

**Date Report Requested:** 01/28/2008

**Test Type:** CHRONIC-LIFETIME

Aspartame

**Time Report Requested:** 17:57:48

**Route:** DOSED FEED

**CAS Number:** 22839-47-0

**First Dose M/F:** 06/27/97 / 06/27/97

**Species/Strain:** RATS/SD

**Lab:** CRC

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males					
	100000 PPM	50000 PPM	10000 PPM	2000 PPM	400 PPM	80 PPM
<b>Adrenal Medulla</b>						
<b>Leukemia Monocytic</b>						
<b>TUMOR RATES</b>						
OVERALL (a)	0/100 (0%)	0/100 (0%)	0/100 (0%)	0/150 (0%)	0/149 (0%)	0/149 (0%)
POLY-3 RATE (b)	0/64.38	0/66.28	0/64.31	0/94.68	0/90.02	0/95.68
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	0%
TERMINAL (d)	0/27 (0%)	0/21 (0%)	0/21 (0%)	0/37 (0%)	0/34 (0%)	0/46 (0%)
FIRST INCIDENCE	---	---	---	---	---	---
<b>STATISTICAL TESTS</b>						
LIFE TABLE	(e)	(e)	(e)	(e)	(e)	(e)
POLY 3	(e)	(e)	(e)	(e)	(e)	(e)
POLY 1.5	(e)	(e)	(e)	(e)	(e)	(e)
POLY 6	(e)	(e)	(e)	(e)	(e)	(e)
LOGISTIC REGRESSION	(e)	(e)	(e)	(e)	(e)	(e)
COCH-ARM / FISHERS	(e)	(e)	(e)	(e)	(e)	(e)
ORDER RESTRICTED	(e)	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	(e)

Test Type: CHRONIC-LIFETIME

Aspartame

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Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)

TERMINAL SACRIFICE AT 105 WEEKS

Males

DOSE 0 PPM

Adrenal Medulla  
Leukemia Monocytic

TUMOR RATES

OVERALL (a)	0/149 (0%)
POLY-3 RATE (b)	0/97.04
POLY-3 PERCENT (g)	0%
TERMINAL (d)	0/33 (0%)
FIRST INCIDENCE	---

STATISTICAL TESTS

LIFE TABLE	(e)
POLY 3	(e)
POLY 1.5	(e)
POLY 6	(e)
LOGISTIC REGRESSION	(e)
COCH-ARM / FISHERS	(e)
ORDER RESTRICTED	(e)
MAX-ISO-POLY-3	(e)

**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**

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Aspartame

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**Route:** DOSED FEED

**CAS Number:** 22839-47-0

**First Dose M/F:** 06/27/97 / 06/27/97

**Species/Strain:** RATS/SD

**Lab:** CRC

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males					
	100000 PPM	50000 PPM	10000 PPM	2000 PPM	400 PPM	80 PPM
<b>Adrenal Medulla</b>						
<b>Leukemia Myeloid</b>						
<b>TUMOR RATES</b>						
OVERALL (a)	1/100 (1%)	0/100 (0%)	1/100 (1%)	0/150 (0%)	0/149 (0%)	2/149 (1%)
POLY-3 RATE (b)	1/64.46	0/66.28	1/64.63	0/94.68	0/90.02	2/96.46
POLY-3 PERCENT (g)	1.6%	0%	1.6%	0%	0%	2.1%
TERMINAL (d)	0/27 (0%)	0/21 (0%)	0/21 (0%)	0/37 (0%)	0/34 (0%)	0/46 (0%)
FIRST INCIDENCE	710	---	641	---	---	589
<b>STATISTICAL TESTS</b>						
LIFE TABLE	P=0.454	(e)	P=0.404	(e)	(e)	P=0.224
POLY 3	P=0.418	(e)	P=0.419	(e)	(e)	P=0.237
POLY 1.5	P=0.418	(e)	P=0.419	(e)	(e)	P=0.237
POLY 6	P=0.422	(e)	P=0.418	(e)	(e)	P=0.242
LOGISTIC REGRESSION	P=0.431	(e)	P=0.419	(e)	(e)	P=0.238
COCH-ARM / FISHERS	P=0.402	(e)	P=0.402	(e)	(e)	P=0.249
ORDER RESTRICTED	(e)	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	(e)

**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**

**Test Type:** CHRONIC-LIFETIME  
**Route:** DOSED FEED  
**Species/Strain:** RATS/SD

Aspartame  
**CAS Number:** 22839-47-0

**Date Report Reqsted:** 01/28/2008  
**Time Report Reqsted:** 17:57:48  
**First Dose M/F:** 06/27/97 / 06/27/97  
**Lab:** CRC

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
TERMINAL SACRIFICE AT 105 WEEKS**

---

**Males**

**DOSE**                            **0 PPM**

---

**Adrenal Medulla  
Leukemia Myeloid**

---

**TUMOR RATES**

OVERALL (a)	0/149 (0%)
POLY-3 RATE (b)	0/97.04
POLY-3 PERCENT (g)	0%
TERMINAL (d)	0/33 (0%)
FIRST INCIDENCE	---

.....  
**STATISTICAL TESTS**

LIFE TABLE	P=0.450
POLY 3	P=0.439
POLY 1.5	P=0.433
POLY 6	P=0.450
LOGISTIC REGRESSION	P=0.432
COCH-ARM / FISHERS	P=0.426
ORDER RESTRICTED	P=0.246
MAX-ISO-POLY-3	P=0.281

.....

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Date Report Requested: 01/28/2008

Test Type: CHRONIC-LIFETIME

Aspartame

Time Report Requested: 17:57:48

Route: DOSED FEED

CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
 TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Males					
	100000 PPM	50000 PPM	10000 PPM	2000 PPM	400 PPM	80 PPM

Adrenal Medulla  
 Pheochromocytoma Benign

TUMOR RATES

OVERALL (a)	19/100 (19%)	21/100 (21%)	19/100 (19%)	15/150 (10%)	25/149 (17%)	20/149 (13%)
POLY-3 RATE (b)	19/67.47	21/71.21	19/67.56	15/97.94	25/94.63	20/99.1
POLY-3 PERCENT (g)	28.2%	29.5%	28.1%	15.3%	26.4%	20.2%
TERMINAL (d)	11/27 (41%)	7/21 (33%)	7/21 (33%)	7/37 (19%)	12/34 (35%)	10/46 (22%)
FIRST INCIDENCE	464	500	527	445	521	375

STATISTICAL TESTS

LIFE TABLE	P=0.162	P=0.057	P=0.078	P=0.350N	P=0.121	P=0.543N
POLY 3	P=0.072	P=0.045*	P=0.073	P=0.394N	P=0.091	P=0.393
POLY 1.5	P=0.079	P=0.041*	P=0.081	P=0.376N	P=0.112	P=0.406
POLY 6	P=0.071	P=0.053	P=0.064	P=0.412N	P=0.070	P=0.397
LOGISTIC REGRESSION	P=0.084	P=0.045*	P=0.080	P=0.379N	P=0.096	P=0.416
COCH-ARM / FISHERS	P=0.094	P=0.044*	P=0.094	P=0.349N	P=0.161	P=0.431
ORDER RESTRICTED	(e)	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	(e)

Test Type: CHRONIC-LIFETIME

Aspartame

Time Report Requested: 17:57:48

Route: DOSED FEED

CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
TERMINAL SACRIFICE AT 105 WEEKS

Males

DOSE 0 PPM

Adrenal Medulla  
Pheochromocytoma Benign

TUMOR RATES

OVERALL (a)	18/149 (12%)
POLY-3 RATE (b)	18/101.63
POLY-3 PERCENT (g)	17.7%
TERMINAL (d)	3/33 (9%)
FIRST INCIDENCE	464

STATISTICAL TESTS

LIFE TABLE	P=0.056
POLY 3	P=0.033*
POLY 1.5	P=0.032*
POLY 6	P=0.039*
LOGISTIC REGRESSION	P=0.040*
COCH-ARM / FISHERS	P=0.031*
ORDER RESTRICTED	P=0.079
MAX-ISO-POLY-3	P=0.064

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Date Report Requested: 01/28/2008

Test Type: CHRONIC-LIFETIME

Aspartame

Time Report Requested: 17:57:48

Route: DOSED FEED

CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
 TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Males					
	100000 PPM	50000 PPM	10000 PPM	2000 PPM	400 PPM	80 PPM

Adrenal Medulla  
 Pheochromocytoma Malignant

TUMOR RATES

OVERALL (a)	2/100 (2%)	4/100 (4%)	1/100 (1%)	0/150 (0%)	0/149 (0%)	0/149 (0%)
POLY-3 RATE (b)	2/64.42	4/67.94	1/64.31	0/94.68	0/90.02	0/95.68
POLY-3 PERCENT (g)	3.1%	5.9%	1.6%	0%	0%	0%
TERMINAL (d)	1/27 (4%)	1/21 (5%)	1/21 (5%)	0/37 (0%)	0/34 (0%)	0/46 (0%)
FIRST INCIDENCE	722	517	730 (T)	---	---	---

STATISTICAL TESTS

LIFE TABLE	P=0.199	P=0.026*	P=0.410	(e)	(e)	(e)
POLY 3	P=0.153	P=0.027*	P=0.418	(e)	(e)	(e)
POLY 1.5	P=0.154	P=0.025*	P=0.419	(e)	(e)	(e)
POLY 6	P=0.156	P=0.028*	P=0.416	(e)	(e)	(e)
LOGISTIC REGRESSION	P=0.182	P=0.026*	P=0.410	(e)	(e)	(e)
COCH-ARM / FISHERS	P=0.160	P=0.025*	P=0.402	(e)	(e)	(e)
ORDER RESTRICTED	(e)	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	(e)



Test Type: CHRONIC-LIFETIME

Aspartame

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Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
 TERMINAL SACRIFICE AT 105 WEEKS

Males

DOSE 0 PPM

Adrenal Medulla  
 Pheochromocytoma Malignant

TUMOR RATES

OVERALL (a)	0/149 (0%)
POLY-3 RATE (b)	0/97.04
POLY-3 PERCENT (g)	0%
TERMINAL (d)	0/33 (0%)
FIRST INCIDENCE	---

STATISTICAL TESTS

LIFE TABLE	P=0.002**
POLY 3	P<0.001**
POLY 1.5	P<0.001**
POLY 6	P<0.001**
LOGISTIC REGRESSION	P=0.002**
COCH-ARM / FISHERS	P<0.001**
ORDER RESTRICTED	P=0.009**
MAX-ISO-POLY-3	P=0.002**

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

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Aspartame

Time Report Requested: 17:57:48

Route: DOSED FEED

CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
 TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Males					
	100000 PPM	50000 PPM	10000 PPM	2000 PPM	400 PPM	80 PPM

Adrenal Medulla  
 Pheochromocytoma: Benign, Complex, Malignant, NOS

TUMOR RATES

OVERALL (a)	19/100 (19%)	23/100 (23%)	20/100 (20%)	15/150 (10%)	25/149 (17%)	20/149 (13%)
POLY-3 RATE (b)	19/67.47	23/72.46	20/67.56	15/97.94	25/94.63	20/99.1
POLY-3 PERCENT (g)	28.2%	31.7%	29.6%	15.3%	26.4%	20.2%
TERMINAL (d)	11/27 (41%)	7/21 (33%)	8/21 (38%)	7/37 (19%)	12/34 (35%)	10/46 (22%)
FIRST INCIDENCE	464	500	527	445	521	375

STATISTICAL TESTS

LIFE TABLE	P=0.162	P=0.027*	P=0.053	P=0.350N	P=0.121	P=0.543N
POLY 3	P=0.072	P=0.020*	P=0.047*	P=0.394N	P=0.091	P=0.393
POLY 1.5	P=0.079	P=0.018*	P=0.053	P=0.376N	P=0.112	P=0.406
POLY 6	P=0.071	P=0.027*	P=0.040*	P=0.412N	P=0.070	P=0.397
LOGISTIC REGRESSION	P=0.084	P=0.018*	P=0.053	P=0.379N	P=0.096	P=0.416
COCH-ARM / FISHERS	P=0.094	P=0.018*	P=0.065	P=0.349N	P=0.161	P=0.431
ORDER RESTRICTED	(e)	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	(e)

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STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)

TERMINAL SACRIFICE AT 105 WEEKS

Males

DOSE 0 PPM

Adrenal Medulla  
Pheochromocytoma: Benign, Complex, Malignant, NOS

TUMOR RATES

OVERALL (a)	18/149 (12%)
POLY-3 RATE (b)	18/101.63
POLY-3 PERCENT (g)	17.7%
TERMINAL (d)	3/33 (9%)
FIRST INCIDENCE	464

STATISTICAL TESTS

LIFE TABLE	P=0.042*
POLY 3	P=0.024*
POLY 1.5	P=0.023*
POLY 6	P=0.029*
LOGISTIC REGRESSION	P=0.029*
COCH-ARM / FISHERS	P=0.023*
ORDER RESTRICTED	P=0.054
MAX-ISO-POLY-3	P=0.046*

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Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
 TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Males					
	100000 PPM	50000 PPM	10000 PPM	2000 PPM	400 PPM	80 PPM
<b>Bone</b>						
<b>Osteosarcoma</b>						
<b>TUMOR RATES</b>	#	#	#	#	#	#
OVERALL (a)	0/100 (0%)	0/100 (0%)	0/100 (0%)	1/150 (1%)	1/150 (1%)	1/150 (1%)
POLY-3 RATE (b)	0/64.38	0/66.28	0/64.31	1/94.83	1/90.15	1/95.98
POLY-3 PERCENT (g)	0%	0%	0%	1.1%	1.1%	1%
TERMINAL (d)	0/27 (0%)	0/21 (0%)	0/21 (0%)	0/37 (0%)	1/34 (3%)	0/46 (0%)
FIRST INCIDENCE	---	---	---	691	730 (T)	656
<b>STATISTICAL TESTS</b>						
LIFE TABLE	P=0.283N	P=0.342N	P=0.342N	P=0.467N	P=0.490N	P=0.430N
POLY 3	P=0.335N	P=0.328N	P=0.335N	P=0.511N	P=0.528N	P=0.507N
POLY 1.5	P=0.335N	P=0.331N	P=0.334N	P=0.507N	P=0.519N	P=0.506N
POLY 6	P=0.330N	P=0.323N	P=0.338N	P=0.512N	P=0.538N	P=0.500N
LOGISTIC REGRESSION	(e)	(e)	(e)	P=0.506N	P=0.490N	P=0.489N
COCH-ARM / FISHERS	P=0.359N	P=0.359N	P=0.359N	P=0.500N	P=0.500N	P=0.500N
ORDER RESTRICTED	(e)	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	(e)

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

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Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)

TERMINAL SACRIFICE AT 105 WEEKS

Males

DOSE 0 PPM

Bone Osteosarcoma

TUMOR RATES	#
OVERALL (a)	2/150 (1%)
POLY-3 RATE (b)	2/97.86
POLY-3 PERCENT (g)	2%
TERMINAL (d)	2/33 (6%)
FIRST INCIDENCE	730 (T)

STATISTICAL TESTS

LIFE TABLE	P=0.186N
POLY 3	P=0.182N
POLY 1.5	P=0.186N
POLY 6	P=0.178N
LOGISTIC REGRESSION	P=0.180N
COCH-ARM / FISHERS	P=0.192N
ORDER RESTRICTED	P=0.168N
MAX-ISO-POLY-3	P=0.205N

**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**

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Aspartame

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Route: DOSED FEED

CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males					
	100000 PPM	50000 PPM	10000 PPM	2000 PPM	400 PPM	80 PPM

**Bone, Cranium  
Leukemia Lymphoblastic**

TUMOR RATES	#	#	#	#	#	#
OVERALL (a)	0/100 (0%)	0/100 (0%)	1/100 (1%)	0/150 (0%)	0/150 (0%)	0/150 (0%)
POLY-3 RATE (b)	0/64.38	0/66.28	1/65.28	0/94.68	0/90.15	0/95.71
POLY-3 PERCENT (g)	0%	0%	1.5%	0%	0%	0%
TERMINAL (d)	0/27 (0%)	0/21 (0%)	0/21 (0%)	0/37 (0%)	0/34 (0%)	0/46 (0%)
FIRST INCIDENCE	---	---	218	---	---	---

**STATISTICAL TESTS**

LIFE TABLE	(e)	(e)	P=0.420	(e)	(e)	(e)
POLY 3	(e)	(e)	P=0.419	(e)	(e)	(e)
POLY 1.5	(e)	(e)	P=0.419	(e)	(e)	(e)
POLY 6	(e)	(e)	P=0.418	(e)	(e)	(e)
LOGISTIC REGRESSION	(e)	(e)	P=0.384	(e)	(e)	(e)
COCH-ARM / FISHERS	(e)	(e)	P=0.400	(e)	(e)	(e)
ORDER RESTRICTED	(e)	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	(e)

**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**

Aspartame

CAS Number: 22839-47-0

Date Report Requested: 01/28/2008

Time Report Requested: 17:57:48

First Dose M/F: 06/27/97 / 06/27/97

Lab: CRC

Test Type: CHRONIC-LIFETIME

Route: DOSED FEED

Species/Strain: RATS/SD

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
TERMINAL SACRIFICE AT 105 WEEKS**

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**Males**

**DOSE**                      **0 PPM**

---

**Bone, Cranium**  
**Leukemia Lymphoblastic**

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<b>TUMOR RATES</b>	#
OVERALL (a)	0/150 (0%)
POLY-3 RATE (b)	0/97.86
POLY-3 PERCENT (g)	0%
TERMINAL (d)	0/33 (0%)
FIRST INCIDENCE	---

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**STATISTICAL TESTS**

LIFE TABLE	P=0.695N
POLY 3	P=0.683N
POLY 1.5	P=0.689N
POLY 6	P=0.681N
LOGISTIC REGRESSION	P=0.810N
COCH-ARM / FISHERS	P=0.696N
ORDER RESTRICTED	P=0.444
MAX-ISO-POLY-3	P=0.467

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**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**

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**Test Type:** CHRONIC-LIFETIME

Aspartame

**Time Report Requested:** 17:57:48

**Route:** DOSED FEED

**CAS Number:** 22839-47-0

**First Dose M/F:** 06/27/97 / 06/27/97

**Species/Strain:** RATS/SD

**Lab:** CRC

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males					
	100000 PPM	50000 PPM	10000 PPM	2000 PPM	400 PPM	80 PPM
<b>Bone, Cranium</b>						
<b>Leukemia Myeloid</b>						
<b>TUMOR RATES</b>	#	#	#	#	#	#
OVERALL (a)	0/100 (0%)	0/100 (0%)	0/100 (0%)	0/150 (0%)	0/150 (0%)	2/150 (1%)
POLY-3 RATE (b)	0/64.38	0/66.28	0/64.31	0/94.68	0/90.15	2/96.48
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	2.1%
TERMINAL (d)	0/27 (0%)	0/21 (0%)	0/21 (0%)	0/37 (0%)	0/34 (0%)	0/46 (0%)
FIRST INCIDENCE	---	---	---	---	---	589
<b>STATISTICAL TESTS</b>						
LIFE TABLE	(e)	(e)	(e)	(e)	(e)	P=0.224
POLY 3	(e)	(e)	(e)	(e)	(e)	P=0.235
POLY 1.5	(e)	(e)	(e)	(e)	(e)	P=0.235
POLY 6	(e)	(e)	(e)	(e)	(e)	P=0.240
LOGISTIC REGRESSION	(e)	(e)	(e)	(e)	(e)	P=0.238
COCH-ARM / FISHERS	(e)	(e)	(e)	(e)	(e)	P=0.249
ORDER RESTRICTED	(e)	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	(e)



P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Date Report Requested: 01/28/2008

Test Type: CHRONIC-LIFETIME

Aspartame

Time Report Requested: 17:57:48

Route: DOSED FEED

CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
TERMINAL SACRIFICE AT 105 WEEKS

Males

DOSE 0 PPM

Bone, Cranium  
Leukemia Myeloid

TUMOR RATES	#
OVERALL (a)	0/150 (0%)
POLY-3 RATE (b)	0/97.86
POLY-3 PERCENT (g)	0%
TERMINAL (d)	0/33 (0%)
FIRST INCIDENCE	---

STATISTICAL TESTS

LIFE TABLE	P=0.391N
POLY 3	P=0.390N
POLY 1.5	P=0.397N
POLY 6	P=0.379N
LOGISTIC REGRESSION	P=0.403N
COCH-ARM / FISHERS	P=0.404N
ORDER RESTRICTED	P=0.276N
MAX-ISO-POLY-3	P=0.312N

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Date Report Requested: 01/28/2008

Test Type: CHRONIC-LIFETIME

Aspartame

Time Report Requested: 17:57:48

Route: DOSED FEED

CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
 TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Males					
	100000 PPM	50000 PPM	10000 PPM	2000 PPM	400 PPM	80 PPM

Bone, Cranium  
 Osteoma

TUMOR RATES	#	#	#	#	#	#
OVERALL (a)	0/100 (0%)	0/100 (0%)	3/100 (3%)	1/150 (1%)	2/150 (1%)	4/150 (3%)
POLY-3 RATE (b)	0/64.38	0/66.28	3/65.76	1/94.68	2/91.12	4/97.64
POLY-3 PERCENT (g)	0%	0%	4.6%	1.1%	2.2%	4.1%
TERMINAL (d)	0/27 (0%)	0/21 (0%)	0/21 (0%)	1/37 (3%)	0/34 (0%)	0/46 (0%)
FIRST INCIDENCE	---	---	504	730 (T)	508	527

STATISTICAL TESTS

LIFE TABLE	(e)	(e)	P=0.070	P=0.523	P=0.215	P=0.061
POLY 3	(e)	(e)	P=0.060	P=0.493	P=0.223	P=0.063
POLY 1.5	(e)	(e)	P=0.060	P=0.496	P=0.228	P=0.063
POLY 6	(e)	(e)	P=0.061	P=0.492	P=0.219	P=0.067
LOGISTIC REGRESSION	(e)	(e)	P=0.063	P=0.523	P=0.246	P=0.068
COCH-ARM / FISHERS	(e)	(e)	P=0.063	P=0.500	P=0.249	P=0.061
ORDER RESTRICTED	(e)	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	(e)

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Aspartame

CAS Number: 22839-47-0

Date Report Requested: 01/28/2008

Time Report Requested: 17:57:48

First Dose M/F: 06/27/97 / 06/27/97

Lab: CRC

Test Type: CHRONIC-LIFETIME

Route: DOSED FEED

Species/Strain: RATS/SD

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
TERMINAL SACRIFICE AT 105 WEEKS

Males

DOSE 0 PPM

Bone, Cranium  
Osteoma

<b>TUMOR RATES</b>	#
OVERALL (a)	0/150 (0%)
POLY-3 RATE (b)	0/97.86
POLY-3 PERCENT (g)	0%
TERMINAL (d)	0/33 (0%)
FIRST INCIDENCE	---

STATISTICAL TESTS

LIFE TABLE	P=0.111N
POLY 3	P=0.106N
POLY 1.5	P=0.109N
POLY 6	P=0.100N
LOGISTIC REGRESSION	P=0.115N
COCH-ARM / FISHERS	P=0.114N
ORDER RESTRICTED	P=0.286N
MAX-ISO-POLY-3	P=0.206N

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Date Report Requested: 01/28/2008

Test Type: CHRONIC-LIFETIME

Aspartame

Time Report Requested: 17:57:48

Route: DOSED FEED

CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
 TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Males					
	100000 PPM	50000 PPM	10000 PPM	2000 PPM	400 PPM	80 PPM
<b>Bone, Cranium</b>						
<b>Osteosarcoma</b>						
<b>TUMOR RATES</b>	#	#	#	#	#	#
OVERALL (a)	3/100 (3%)	2/100 (2%)	5/100 (5%)	9/150 (6%)	5/150 (3%)	7/150 (5%)
POLY-3 RATE (b)	3/66.11	2/67.95	5/65.84	9/97.33	5/92.94	7/98.31
POLY-3 PERCENT (g)	4.5%	2.9%	7.6%	9.3%	5.4%	7.1%
TERMINAL (d)	0/27 (0%)	0/21 (0%)	1/21 (5%)	2/37 (5%)	0/34 (0%)	2/46 (4%)
FIRST INCIDENCE	506	377	525	406	489	296
<b>STATISTICAL TESTS</b>						
LIFE TABLE	P=0.530N	P=0.415N	P=0.342	P=0.230	P=0.602	P=0.487
POLY 3	P=0.581N	P=0.386N	P=0.374	P=0.197	P=0.595	P=0.385
POLY 1.5	P=0.586N	P=0.397N	P=0.372	P=0.199	P=0.602	P=0.380
POLY 6	P=0.562N	P=0.373N	P=0.378	P=0.202	P=0.592	P=0.407
LOGISTIC REGRESSION	P=0.592N	P=0.406N	P=0.355	P=0.188	P=0.597	P=0.373
COCH-ARM / FISHERS	P=0.595N	P=0.418N	P=0.365	P=0.206	P=0.625N	P=0.385
ORDER RESTRICTED	(e)	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	(e)

**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**

**Test Type:** CHRONIC-LIFETIME  
**Route:** DOSED FEED  
**Species/Strain:** RATS/SD

Aspartame  
**CAS Number:** 22839-47-0

**Date Report Requested:** 01/28/2008  
**Time Report Requested:** 17:57:48  
**First Dose M/F:** 06/27/97 / 06/27/97  
**Lab:** CRC

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
TERMINAL SACRIFICE AT 105 WEEKS**

---

**Males**

**DOSE**                      **0 PPM**

---

**Bone, Cranium  
Osteosarcoma**

---

<b>TUMOR RATES</b>	<b>#</b>
OVERALL (a)	5/150 (3%)
POLY-3 RATE (b)	5/98
POLY-3 PERCENT (g)	5.1%
TERMINAL (d)	4/33 (12%)
FIRST INCIDENCE	693

---

**STATISTICAL TESTS**

LIFE TABLE	P=0.187N
POLY 3	P=0.175N
POLY 1.5	P=0.187N
POLY 6	P=0.160N
LOGISTIC REGRESSION	P=0.203N
COCH-ARM / FISHERS	P=0.204N
ORDER RESTRICTED	P=0.411N
MAX-ISO-POLY-3	P=0.342N

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P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Date Report Requested: 01/28/2008

Test Type: CHRONIC-LIFETIME

Aspartame

Time Report Requested: 17:57:48

Route: DOSED FEED

CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
 TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Males					
	100000 PPM	50000 PPM	10000 PPM	2000 PPM	400 PPM	80 PPM

Brain  
 Leukemia Lymphoblastic

TUMOR RATES

OVERALL (a)	0/99 (0%)	0/99 (0%)	0/100 (0%)	0/147 (0%)	0/149 (0%)	0/148 (0%)
POLY-3 RATE (b)	0/63.82	0/65.59	0/64.31	0/93.35	0/90.02	0/94.98
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	0%
TERMINAL (d)	0/27 (0%)	0/21 (0%)	0/21 (0%)	0/36 (0%)	0/34 (0%)	0/46 (0%)
FIRST INCIDENCE	---	---	---	---	---	---

STATISTICAL TESTS

LIFE TABLE	(e)	(e)	(e)	(e)	(e)	(e)
POLY 3	(e)	(e)	(e)	(e)	(e)	(e)
POLY 1.5	(e)	(e)	(e)	(e)	(e)	(e)
POLY 6	(e)	(e)	(e)	(e)	(e)	(e)
LOGISTIC REGRESSION	(e)	(e)	(e)	(e)	(e)	(e)
COCH-ARM / FISHERS	(e)	(e)	(e)	(e)	(e)	(e)
ORDER RESTRICTED	(e)	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	(e)

**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**

Aspartame

CAS Number: 22839-47-0

Date Report Requested: 01/28/2008

Time Report Requested: 17:57:48

First Dose M/F: 06/27/97 / 06/27/97

Lab: CRC

Test Type: CHRONIC-LIFETIME

Route: DOSED FEED

Species/Strain: RATS/SD

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)**

**TERMINAL SACRIFICE AT 105 WEEKS**

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**Males**

**DOSE**                      **0 PPM**

---

**Brain**  
**Leukemia Lymphoblastic**

---

**TUMOR RATES**

OVERALL (a)	0/149 (0%)
POLY-3 RATE (b)	0/97.79
POLY-3 PERCENT (g)	0%
TERMINAL (d)	0/33 (0%)
FIRST INCIDENCE	---

---

**STATISTICAL TESTS**

LIFE TABLE	(e)
POLY 3	(e)
POLY 1.5	(e)
POLY 6	(e)
LOGISTIC REGRESSION	(e)
COCH-ARM / FISHERS	(e)
ORDER RESTRICTED	(e)
MAX-ISO-POLY-3	(e)

---

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Date Report Requested: 01/28/2008

Test Type: CHRONIC-LIFETIME

Aspartame

Time Report Requested: 17:57:48

Route: DOSED FEED

CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
 TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Males					
	100000 PPM	50000 PPM	10000 PPM	2000 PPM	400 PPM	80 PPM

Brain  
 Leukemia Monocytic

TUMOR RATES

OVERALL (a)	0/99 (0%)	0/99 (0%)	0/100 (0%)	0/147 (0%)	0/149 (0%)	0/148 (0%)
POLY-3 RATE (b)	0/63.82	0/65.59	0/64.31	0/93.35	0/90.02	0/94.98
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	0%
TERMINAL (d)	0/27 (0%)	0/21 (0%)	0/21 (0%)	0/36 (0%)	0/34 (0%)	0/46 (0%)
FIRST INCIDENCE	---	---	---	---	---	---

STATISTICAL TESTS

LIFE TABLE	(e)	(e)	(e)	(e)	(e)	(e)
POLY 3	(e)	(e)	(e)	(e)	(e)	(e)
POLY 1.5	(e)	(e)	(e)	(e)	(e)	(e)
POLY 6	(e)	(e)	(e)	(e)	(e)	(e)
LOGISTIC REGRESSION	(e)	(e)	(e)	(e)	(e)	(e)
COCH-ARM / FISHERS	(e)	(e)	(e)	(e)	(e)	(e)
ORDER RESTRICTED	(e)	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	(e)





P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Date Report Requested: 01/28/2008

Test Type: CHRONIC-LIFETIME

Aspartame

Time Report Requested: 17:57:48

Route: DOSED FEED

CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
 TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Males					
	100000 PPM	50000 PPM	10000 PPM	2000 PPM	400 PPM	80 PPM

Brain  
 Leukemia Myeloid

TUMOR RATES

OVERALL (a)	1/99 (1%)	0/99 (0%)	0/100 (0%)	0/147 (0%)	0/149 (0%)	2/148 (1%)
POLY-3 RATE (b)	1/63.9	0/65.59	0/64.31	0/93.35	0/90.02	2/95.76
POLY-3 PERCENT (g)	1.6%	0%	0%	0%	0%	2.1%
TERMINAL (d)	0/27 (0%)	0/21 (0%)	0/21 (0%)	0/36 (0%)	0/34 (0%)	0/46 (0%)
FIRST INCIDENCE	710	---	---	---	---	589

STATISTICAL TESTS

LIFE TABLE	P=0.454	(e)	(e)	(e)	(e)	P=0.224
POLY 3	P=0.415	(e)	(e)	(e)	(e)	P=0.234
POLY 1.5	P=0.415	(e)	(e)	(e)	(e)	P=0.234
POLY 6	P=0.419	(e)	(e)	(e)	(e)	P=0.239
LOGISTIC REGRESSION	P=0.429	(e)	(e)	(e)	(e)	P=0.236
COCH-ARM / FISHERS	P=0.399	(e)	(e)	(e)	(e)	P=0.247
ORDER RESTRICTED	(e)	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	(e)

Test Type: CHRONIC-LIFETIME

Aspartame

Time Report Requested: 17:57:48

Route: DOSED FEED

CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
 TERMINAL SACRIFICE AT 105 WEEKS

Males

DOSE 0 PPM

Brain  
 Leukemia Myeloid

TUMOR RATES

OVERALL (a)	0/149 (0%)
POLY-3 RATE (b)	0/97.79
POLY-3 PERCENT (g)	0%
TERMINAL (d)	0/33 (0%)
FIRST INCIDENCE	---

STATISTICAL TESTS

LIFE TABLE	P=0.383
POLY 3	P=0.366
POLY 1.5	P=0.362
POLY 6	P=0.378
LOGISTIC REGRESSION	P=0.363
COCH-ARM / FISHERS	P=0.358
ORDER RESTRICTED	P=0.176
MAX-ISO-POLY-3	P=0.213

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Date Report Requested: 01/28/2008

Test Type: CHRONIC-LIFETIME

Aspartame

Time Report Requested: 17:57:48

Route: DOSED FEED

CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
 TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Males					
	100000 PPM	50000 PPM	10000 PPM	2000 PPM	400 PPM	80 PPM

Brain  
 Lymphoma Lympho-immunoblastic

TUMOR RATES

OVERALL (a)	0/99 (0%)	1/99 (1%)	0/100 (0%)	2/147 (1%)	0/149 (0%)	0/148 (0%)
POLY-3 RATE (b)	0/63.82	1/65.66	0/64.31	2/93.35	0/90.02	0/94.98
POLY-3 PERCENT (g)	0%	1.5%	0%	2.1%	0%	0%
TERMINAL (d)	0/27 (0%)	0/21 (0%)	0/21 (0%)	2/36 (6%)	0/34 (0%)	0/46 (0%)
FIRST INCIDENCE	---	712	---	730 (T)	---	---

STATISTICAL TESTS

LIFE TABLE	P=0.588N	P=0.673	P=0.568N	P=0.513	P=0.530N	P=0.514N
POLY 3	P=0.586N	P=0.669	P=0.584N	P=0.482	P=0.517N	P=0.507N
POLY 1.5	P=0.585N	P=0.666	P=0.582N	P=0.487	P=0.512N	P=0.506N
POLY 6	P=0.583N	P=0.673	P=0.588N	P=0.479	P=0.523N	P=0.504N
LOGISTIC REGRESSION	P=0.581N	P=0.670	P=0.579N	P=0.483	P=0.502N	P=0.501N
COCH-ARM / FISHERS	P=0.601N	P=0.640	P=0.598N	P=0.495	P=0.500N	P=0.502N
ORDER RESTRICTED	(e)	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	(e)

Test Type: CHRONIC-LIFETIME

Aspartame

Time Report Requested: 17:57:48

Route: DOSED FEED

CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
 TERMINAL SACRIFICE AT 105 WEEKS

Males

DOSE 0 PPM

Brain  
 Lymphoma Lympho-immunoblastic

TUMOR RATES

OVERALL (a)	1/149 (1%)
POLY-3 RATE (b)	1/98.21
POLY-3 PERCENT (g)	1%
TERMINAL (d)	0/33 (0%)
FIRST INCIDENCE	610

STATISTICAL TESTS

LIFE TABLE	P=0.519N
POLY 3	P=0.528N
POLY 1.5	P=0.532N
POLY 6	P=0.521N
LOGISTIC REGRESSION	P=0.521N
COCH-ARM / FISHERS	P=0.538N
ORDER RESTRICTED	P=0.445N
MAX-ISO-POLY-3	P=0.472N

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Date Report Requested: 01/28/2008

Test Type: CHRONIC-LIFETIME

Aspartame

Time Report Requested: 17:57:48

Route: DOSED FEED

CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
 TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Males					
	100000 PPM	50000 PPM	10000 PPM	2000 PPM	400 PPM	80 PPM

Brain  
 Meningioma Benign

TUMOR RATES

OVERALL (a)	1/99 (1%)	5/99 (5%)	2/100 (2%)	2/147 (1%)	3/149 (2%)	1/148 (1%)
POLY-3 RATE (b)	1/63.95	5/66.82	2/65.15	2/93.49	3/90.92	1/94.98
POLY-3 PERCENT (g)	1.6%	7.5%	3.1%	2.1%	3.3%	1.1%
TERMINAL (d)	0/27 (0%)	0/21 (0%)	1/21 (5%)	1/36 (3%)	1/34 (3%)	1/46 (2%)
FIRST INCIDENCE	697	607	394	696	530	730 (T)

STATISTICAL TESTS

LIFE TABLE	P=0.582N	P=0.102	P=0.523	P=0.679N	P=0.475	P=0.404N
POLY 3	P=0.646N	P=0.094	P=0.541	P=0.677	P=0.467	P=0.510N
POLY 1.5	P=0.645N	P=0.090	P=0.542	P=0.680	P=0.477	P=0.509N
POLY 6	P=0.639N	P=0.100	P=0.538	P=0.675	P=0.459	P=0.505N
LOGISTIC REGRESSION	P=0.620N	P=0.094	P=0.539	P=0.681	P=0.458	P=0.453N
COCH-ARM / FISHERS	P=0.650N	P=0.092	P=0.528	P=0.684	P=0.500	P=0.503N
ORDER RESTRICTED	(e)	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	(e)

**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**

Aspartame

CAS Number: 22839-47-0

Date Report Requested: 01/28/2008

Time Report Requested: 17:57:48

First Dose M/F: 06/27/97 / 06/27/97

Lab: CRC

Test Type: CHRONIC-LIFETIME

Route: DOSED FEED

Species/Strain: RATS/SD

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
TERMINAL SACRIFICE AT 105 WEEKS**

---

**Males**

**DOSE**                      **0 PPM**

---

**Brain**  
**Meningioma Benign**

---

**TUMOR RATES**

OVERALL (a)	2/149 (1%)
POLY-3 RATE (b)	2/97.87
POLY-3 PERCENT (g)	2%
TERMINAL (d)	1/33 (3%)
FIRST INCIDENCE	711

---

**STATISTICAL TESTS**

LIFE TABLE	P=0.370
POLY 3	P=0.323
POLY 1.5	P=0.323
POLY 6	P=0.333
LOGISTIC REGRESSION	P=0.340
COCH-ARM / FISHERS	P=0.324
ORDER RESTRICTED	P=0.252
MAX-ISO-POLY-3	P=0.289

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P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Date Report Requested: 01/28/2008

Test Type: CHRONIC-LIFETIME

Aspartame

Time Report Requested: 17:57:48

Route: DOSED FEED

CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
 TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Males					
	100000 PPM	50000 PPM	10000 PPM	2000 PPM	400 PPM	80 PPM

Brain  
 Meningioma: Benign, Malignant, NOS

TUMOR RATES

OVERALL (a)	1/99 (1%)	5/99 (5%)	2/100 (2%)	3/147 (2%)	3/149 (2%)	1/148 (1%)
POLY-3 RATE (b)	1/63.95	5/66.82	2/65.15	3/94.32	3/90.92	1/94.98
POLY-3 PERCENT (g)	1.6%	7.5%	3.1%	3.2%	3.3%	1.1%
TERMINAL (d)	0/27 (0%)	0/21 (0%)	1/21 (5%)	1/36 (3%)	1/34 (3%)	1/46 (2%)
FIRST INCIDENCE	697	607	394	406	530	730 (T)

STATISTICAL TESTS

LIFE TABLE	P=0.582N	P=0.102	P=0.523	P=0.511	P=0.475	P=0.404N
POLY 3	P=0.646N	P=0.094	P=0.541	P=0.483	P=0.467	P=0.510N
POLY 1.5	P=0.645N	P=0.090	P=0.542	P=0.487	P=0.477	P=0.509N
POLY 6	P=0.639N	P=0.100	P=0.538	P=0.483	P=0.459	P=0.505N
LOGISTIC REGRESSION	P=0.620N	P=0.094	P=0.539	P=0.482	P=0.458	P=0.453N
COCH-ARM / FISHERS	P=0.650N	P=0.092	P=0.528	P=0.494	P=0.500	P=0.503N
ORDER RESTRICTED	(e)	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	(e)



Test Type: CHRONIC-LIFETIME

Aspartame

Time Report Requested: 17:57:48

Route: DOSED FEED

CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
TERMINAL SACRIFICE AT 105 WEEKS

Males

DOSE 0 PPM

Brain  
Meningioma: Benign, Malignant, NOS

TUMOR RATES

OVERALL (a)	2/149 (1%)
POLY-3 RATE (b)	2/97.87
POLY-3 PERCENT (g)	2%
TERMINAL (d)	1/33 (3%)
FIRST INCIDENCE	711

STATISTICAL TESTS

LIFE TABLE	P=0.420
POLY 3	P=0.373
POLY 1.5	P=0.373
POLY 6	P=0.384
LOGISTIC REGRESSION	P=0.385
COCH-ARM / FISHERS	P=0.374
ORDER RESTRICTED	P=0.266
MAX-ISO-POLY-3	P=0.303

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Date Report Requested: 01/28/2008

Test Type: CHRONIC-LIFETIME

Aspartame

Time Report Requested: 17:57:48

Route: DOSED FEED

CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
 TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Males					
	100000 PPM	50000 PPM	10000 PPM	2000 PPM	400 PPM	80 PPM

Brain  
 Neoplasms NOS

TUMOR RATES

OVERALL (a)	0/99 (0%)	0/99 (0%)	2/100 (2%)	0/147 (0%)	0/149 (0%)	0/148 (0%)
POLY-3 RATE (b)	0/63.82	0/65.59	2/65.07	0/93.35	0/90.02	0/94.98
POLY-3 PERCENT (g)	0%	0%	3.1%	0%	0%	0%
TERMINAL (d)	0/27 (0%)	0/21 (0%)	0/21 (0%)	0/36 (0%)	0/34 (0%)	0/46 (0%)
FIRST INCIDENCE	---	---	621	---	---	---

STATISTICAL TESTS

LIFE TABLE	(e)	(e)	P=0.171	(e)	(e)	(e)
POLY 3	(e)	(e)	P=0.154	(e)	(e)	(e)
POLY 1.5	(e)	(e)	P=0.154	(e)	(e)	(e)
POLY 6	(e)	(e)	P=0.153	(e)	(e)	(e)
LOGISTIC REGRESSION	(e)	(e)	P=0.156	(e)	(e)	(e)
COCH-ARM / FISHERS	(e)	(e)	P=0.160	(e)	(e)	(e)
ORDER RESTRICTED	(e)	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	(e)

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Date Report Requested: 01/28/2008

Test Type: CHRONIC-LIFETIME

Aspartame

Time Report Requested: 17:57:48

Route: DOSED FEED

CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
 TERMINAL SACRIFICE AT 105 WEEKS**

**Males**

**DOSE                      0 PPM**

**Brain  
 Neoplasms NOS**

**TUMOR RATES**

OVERALL (a)	0/149 (0%)
POLY-3 RATE (b)	0/97.79
POLY-3 PERCENT (g)	0%
TERMINAL (d)	0/33 (0%)
FIRST INCIDENCE	---

**STATISTICAL TESTS**

LIFE TABLE	P=0.556N
POLY 3	P=0.560N
POLY 1.5	P=0.566N
POLY 6	P=0.554N
LOGISTIC REGRESSION	P=0.573N
COCH-ARM / FISHERS	P=0.574N
ORDER RESTRICTED	P=0.278
MAX-ISO-POLY-3	P=0.314

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Date Report Requested: 01/28/2008

Test Type: CHRONIC-LIFETIME

Aspartame

Time Report Requested: 17:57:48

Route: DOSED FEED

CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
 TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Males					
	100000 PPM	50000 PPM	10000 PPM	2000 PPM	400 PPM	80 PPM

Brain  
 Oligodendroglioma NOS

TUMOR RATES

OVERALL (a)	1/99 (1%)	2/99 (2%)	0/100 (0%)	1/147 (1%)	0/149 (0%)	2/148 (1%)
POLY-3 RATE (b)	1/64.19	2/66.4	0/64.31	1/93.35	0/90.02	2/95.76
POLY-3 PERCENT (g)	1.6%	3%	0%	1.1%	0%	2.1%
TERMINAL (d)	0/27 (0%)	0/21 (0%)	0/21 (0%)	1/36 (3%)	0/34 (0%)	1/46 (2%)
FIRST INCIDENCE	627	581	---	730 (T)	---	445

STATISTICAL TESTS

LIFE TABLE	P=0.413	P=0.165	(e)	P=0.517	(e)	P=0.272
POLY 3	P=0.416	P=0.157	(e)	P=0.491	(e)	P=0.234
POLY 1.5	P=0.416	P=0.154	(e)	P=0.493	(e)	P=0.234
POLY 6	P=0.421	P=0.161	(e)	P=0.490	(e)	P=0.238
LOGISTIC REGRESSION	P=0.417	P=0.155	(e)	P=0.517	(e)	P=0.241
COCH-ARM / FISHERS	P=0.399	P=0.158	(e)	P=0.497	(e)	P=0.247
ORDER RESTRICTED	(e)	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	(e)

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Date Report Requested: 01/28/2008

Test Type: CHRONIC-LIFETIME

Aspartame

Time Report Requested: 17:57:48

Route: DOSED FEED

CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
TERMINAL SACRIFICE AT 105 WEEKS

Males

DOSE 0 PPM

Brain  
Oligodendroglioma NOS

TUMOR RATES

OVERALL (a)	0/149 (0%)
POLY-3 RATE (b)	0/97.79
POLY-3 PERCENT (g)	0%
TERMINAL (d)	0/33 (0%)
FIRST INCIDENCE	---

STATISTICAL TESTS

LIFE TABLE	P=0.213
POLY 3	P=0.201
POLY 1.5	P=0.199
POLY 6	P=0.212
LOGISTIC REGRESSION	P=0.199
COCH-ARM / FISHERS	P=0.197
ORDER RESTRICTED	P=0.158
MAX-ISO-POLY-3	P=0.194

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Date Report Requested: 01/28/2008

Test Type: CHRONIC-LIFETIME

Aspartame

Time Report Requested: 17:57:48

Route: DOSED FEED

CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
 TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Males					
	100000 PPM	50000 PPM	10000 PPM	2000 PPM	400 PPM	80 PPM

Brain  
 Oligodendroglioma, Glioma, or Astrocytoma

TUMOR RATES

OVERALL (a)	1/99 (1%)	2/99 (2%)	0/100 (0%)	1/147 (1%)	0/149 (0%)	2/148 (1%)
POLY-3 RATE (b)	1/64.19	2/66.4	0/64.31	1/93.35	0/90.02	2/95.76
POLY-3 PERCENT (g)	1.6%	3%	0%	1.1%	0%	2.1%
TERMINAL (d)	0/27 (0%)	0/21 (0%)	0/21 (0%)	1/36 (3%)	0/34 (0%)	1/46 (2%)
FIRST INCIDENCE	627	581	---	730 (T)	---	445

STATISTICAL TESTS

LIFE TABLE	P=0.413	P=0.165	(e)	P=0.517	(e)	P=0.272
POLY 3	P=0.416	P=0.157	(e)	P=0.491	(e)	P=0.234
POLY 1.5	P=0.416	P=0.154	(e)	P=0.493	(e)	P=0.234
POLY 6	P=0.421	P=0.161	(e)	P=0.490	(e)	P=0.238
LOGISTIC REGRESSION	P=0.417	P=0.155	(e)	P=0.517	(e)	P=0.241
COCH-ARM / FISHERS	P=0.399	P=0.158	(e)	P=0.497	(e)	P=0.247
ORDER RESTRICTED	(e)	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	(e)

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Date Report Reqsted: 01/28/2008

Test Type: CHRONIC-LIFETIME

Aspartame

Time Report Reqsted: 17:57:48

Route: DOSED FEED

CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
TERMINAL SACRIFICE AT 105 WEEKS

Males

DOSE 0 PPM

Brain  
Oligodendroglioma, Glioma, or Astrocytoma

TUMOR RATES

OVERALL (a)	0/149 (0%)
POLY-3 RATE (b)	0/97.79
POLY-3 PERCENT (g)	0%
TERMINAL (d)	0/33 (0%)
FIRST INCIDENCE	---

STATISTICAL TESTS

LIFE TABLE	P=0.213
POLY 3	P=0.201
POLY 1.5	P=0.199
POLY 6	P=0.212
LOGISTIC REGRESSION	P=0.199
COCH-ARM / FISHERS	P=0.197
ORDER RESTRICTED	P=0.158
MAX-ISO-POLY-3	P=0.194

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Date Report Requested: 01/28/2008

Test Type: CHRONIC-LIFETIME

Aspartame

Time Report Requested: 17:57:48

Route: DOSED FEED

CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
 TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Males					
	100000 PPM	50000 PPM	10000 PPM	2000 PPM	400 PPM	80 PPM

Ear  
 Squamous Cell Carcinoma

TUMOR RATES	#	#	#	#	#	#
OVERALL (a)	3/100 (3%)	2/100 (2%)	7/100 (7%)	7/150 (5%)	3/150 (2%)	3/150 (2%)
POLY-3 RATE (b)	3/64.74	2/66.38	7/64.66	7/95.47	3/90.65	3/96.24
POLY-3 PERCENT (g)	4.6%	3%	10.8%	7.3%	3.3%	3.1%
TERMINAL (d)	2/27 (7%)	1/21 (5%)	5/21 (24%)	4/37 (11%)	1/34 (3%)	2/46 (4%)
FIRST INCIDENCE	629	704	666	628	655	565

STATISTICAL TESTS

LIFE TABLE	P=0.548N	P=0.392N	P=0.133	P=0.402	P=0.424N	P=0.309N
POLY 3	P=0.599N	P=0.404N	P=0.139	P=0.358	P=0.408N	P=0.374N
POLY 1.5	P=0.595N	P=0.407N	P=0.145	P=0.367	P=0.391N	P=0.371N
POLY 6	P=0.594N	P=0.401N	P=0.128	P=0.350	P=0.425N	P=0.370N
LOGISTIC REGRESSION	P=0.589N	P=0.394N	P=0.133	P=0.359	P=0.411N	P=0.368N
COCH-ARM / FISHERS	P=0.595N	P=0.418N	P=0.152	P=0.385	P=0.361N	P=0.361N
ORDER RESTRICTED	(e)	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	(e)



P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Date Report Reqsted: 01/28/2008

Test Type: CHRONIC-LIFETIME

Aspartame

Time Report Reqsted: 17:57:48

Route: DOSED FEED

CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
TERMINAL SACRIFICE AT 105 WEEKS

---

Males

DOSE 0 PPM

---

Ear  
Squamous Cell Carcinoma

---

<b>TUMOR RATES</b>	#
OVERALL (a)	5/150 (3%)
POLY-3 RATE (b)	5/99.03
POLY-3 PERCENT (g)	5.1%
TERMINAL (d)	1/33 (3%)
FIRST INCIDENCE	611

.....

**STATISTICAL TESTS**

LIFE TABLE	P=0.384N
POLY 3	P=0.392N
POLY 1.5	P=0.403N
POLY 6	P=0.377N
LOGISTIC REGRESSION	P=0.374N
COCH-ARM / FISHERS	P=0.421N
ORDER RESTRICTED	P=0.445
MAX-ISO-POLY-3	P=0.471

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P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Date Report Requested: 01/28/2008

Test Type: CHRONIC-LIFETIME

Aspartame

Time Report Requested: 17:57:48

Route: DOSED FEED

CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
 TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Males					
	100000 PPM	50000 PPM	10000 PPM	2000 PPM	400 PPM	80 PPM

Epididymis  
 Leukemia Myeloid

TUMOR RATES

OVERALL (a)	0/96 (0%)	0/100 (0%)	0/99 (0%)	0/148 (0%)	0/149 (0%)	2/150 (1%)
POLY-3 RATE (b)	0/61.83	0/66.28	0/63.47	0/93.3	0/90.02	2/96.48
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	2.1%
TERMINAL (d)	0/27 (0%)	0/21 (0%)	0/21 (0%)	0/36 (0%)	0/34 (0%)	0/46 (0%)
FIRST INCIDENCE	---	---	---	---	---	589

STATISTICAL TESTS

LIFE TABLE	(e)	(e)	(e)	(e)	(e)	P=0.224
POLY 3	(e)	(e)	(e)	(e)	(e)	P=0.236
POLY 1.5	(e)	(e)	(e)	(e)	(e)	P=0.236
POLY 6	(e)	(e)	(e)	(e)	(e)	P=0.240
LOGISTIC REGRESSION	(e)	(e)	(e)	(e)	(e)	P=0.239
COCH-ARM / FISHERS	(e)	(e)	(e)	(e)	(e)	P=0.251
ORDER RESTRICTED	(e)	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	(e)

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Date Report Requested: 01/28/2008

Test Type: CHRONIC-LIFETIME

Aspartame

Time Report Requested: 17:57:48

Route: DOSED FEED

CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)

TERMINAL SACRIFICE AT 105 WEEKS

Males

DOSE 0 PPM

Epididymis  
Leukemia Myeloid

TUMOR RATES

OVERALL (a)	0/149 (0%)
POLY-3 RATE (b)	0/97.55
POLY-3 PERCENT (g)	0%
TERMINAL (d)	0/33 (0%)
FIRST INCIDENCE	---

STATISTICAL TESTS

LIFE TABLE	P=0.391N
POLY 3	P=0.394N
POLY 1.5	P=0.401N
POLY 6	P=0.385N
LOGISTIC REGRESSION	P=0.407N
COCH-ARM / FISHERS	P=0.408N
ORDER RESTRICTED	P=0.290N
MAX-ISO-POLY-3	P=0.323N

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Date Report Requested: 01/28/2008

Test Type: CHRONIC-LIFETIME

Aspartame

Time Report Requested: 17:57:48

Route: DOSED FEED

CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
 TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Males					
	100000 PPM	50000 PPM	10000 PPM	2000 PPM	400 PPM	80 PPM
<b>Harderian Gland</b>						
<b>Leukemia Myeloid</b>						
<b>TUMOR RATES</b>	#	#	#	#	#	#
OVERALL (a)	1/100 (1%)	0/100 (0%)	1/100 (1%)	0/150 (0%)	0/150 (0%)	2/150 (1%)
POLY-3 RATE (b)	1/64.46	0/66.28	1/64.63	0/94.68	0/90.15	2/96.48
POLY-3 PERCENT (g)	1.6%	0%	1.6%	0%	0%	2.1%
TERMINAL (d)	0/27 (0%)	0/21 (0%)	0/21 (0%)	0/37 (0%)	0/34 (0%)	0/46 (0%)
FIRST INCIDENCE	710	---	641	---	---	589
<b>STATISTICAL TESTS</b>						
LIFE TABLE	P=0.454	(e)	P=0.404	(e)	(e)	P=0.224
POLY 3	P=0.417	(e)	P=0.417	(e)	(e)	P=0.235
POLY 1.5	P=0.417	(e)	P=0.418	(e)	(e)	P=0.235
POLY 6	P=0.420	(e)	P=0.416	(e)	(e)	P=0.240
LOGISTIC REGRESSION	P=0.430	(e)	P=0.417	(e)	(e)	P=0.238
COCH-ARM / FISHERS	P=0.400	(e)	P=0.400	(e)	(e)	P=0.249
ORDER RESTRICTED	(e)	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	(e)

**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**

**Test Type:** CHRONIC-LIFETIME  
**Route:** DOSED FEED  
**Species/Strain:** RATS/SD

Aspartame  
**CAS Number:** 22839-47-0

**Date Report Requested:** 01/28/2008  
**Time Report Requested:** 17:57:48  
**First Dose M/F:** 06/27/97 / 06/27/97  
**Lab:** CRC

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
TERMINAL SACRIFICE AT 105 WEEKS**

---

**Males**

**DOSE**                      **0 PPM**

---

**Harderian Gland  
Leukemia Myeloid**

---

<b>TUMOR RATES</b>	#
OVERALL (a)	0/150 (0%)
POLY-3 RATE (b)	0/97.86
POLY-3 PERCENT (g)	0%
TERMINAL (d)	0/33 (0%)
FIRST INCIDENCE	---

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**STATISTICAL TESTS**

LIFE TABLE	P=0.450
POLY 3	P=0.437
POLY 1.5	P=0.432
POLY 6	P=0.449
LOGISTIC REGRESSION	P=0.431
COCH-ARM / FISHERS	P=0.425
ORDER RESTRICTED	P=0.245
MAX-ISO-POLY-3	P=0.281

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P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Date Report Requested: 01/28/2008

Test Type: CHRONIC-LIFETIME

Aspartame

Time Report Requested: 17:57:48

Route: DOSED FEED

CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
 TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Males					
	100000 PPM	50000 PPM	10000 PPM	2000 PPM	400 PPM	80 PPM
<b>Heart</b>						
<b>Leukemia Lymphoblastic</b>						
<b>TUMOR RATES</b>						
OVERALL (a)	0/100 (0%)	0/100 (0%)	0/100 (0%)	0/150 (0%)	0/149 (0%)	0/150 (0%)
POLY-3 RATE (b)	0/64.38	0/66.28	0/64.31	0/94.68	0/90.02	0/95.71
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	0%
TERMINAL (d)	0/27 (0%)	0/21 (0%)	0/21 (0%)	0/37 (0%)	0/34 (0%)	0/46 (0%)
FIRST INCIDENCE	---	---	---	---	---	---

STATISTICAL TESTS

LIFE TABLE	(e)	(e)	(e)	(e)	(e)	(e)
POLY 3	(e)	(e)	(e)	(e)	(e)	(e)
POLY 1.5	(e)	(e)	(e)	(e)	(e)	(e)
POLY 6	(e)	(e)	(e)	(e)	(e)	(e)
LOGISTIC REGRESSION	(e)	(e)	(e)	(e)	(e)	(e)
COCH-ARM / FISHERS	(e)	(e)	(e)	(e)	(e)	(e)
ORDER RESTRICTED	(e)	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	(e)

Test Type: CHRONIC-LIFETIME

Aspartame

Time Report Requested: 17:57:48

Route: DOSED FEED

CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
 TERMINAL SACRIFICE AT 105 WEEKS

Males

DOSE 0 PPM

Heart  
 Leukemia Lymphoblastic

TUMOR RATES

OVERALL (a)	0/150 (0%)
POLY-3 RATE (b)	0/97.86
POLY-3 PERCENT (g)	0%
TERMINAL (d)	0/33 (0%)
FIRST INCIDENCE	---

STATISTICAL TESTS

LIFE TABLE	(e)
POLY 3	(e)
POLY 1.5	(e)
POLY 6	(e)
LOGISTIC REGRESSION	(e)
COCH-ARM / FISHERS	(e)
ORDER RESTRICTED	(e)
MAX-ISO-POLY-3	(e)

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Date Report Requested: 01/28/2008

Test Type: CHRONIC-LIFETIME

Aspartame

Time Report Requested: 17:57:48

Route: DOSED FEED

CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
 TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Males					
	100000 PPM	50000 PPM	10000 PPM	2000 PPM	400 PPM	80 PPM
<b>Heart</b>						
<b>Leukemia Myeloid</b>						
<b>TUMOR RATES</b>						
OVERALL (a)	1/100 (1%)	0/100 (0%)	0/100 (0%)	0/150 (0%)	0/149 (0%)	2/150 (1%)
POLY-3 RATE (b)	1/64.46	0/66.28	0/64.31	0/94.68	0/90.02	2/96.48
POLY-3 PERCENT (g)	1.6%	0%	0%	0%	0%	2.1%
TERMINAL (d)	0/27 (0%)	0/21 (0%)	0/21 (0%)	0/37 (0%)	0/34 (0%)	0/46 (0%)
FIRST INCIDENCE	710	---	---	---	---	589
<b>STATISTICAL TESTS</b>						
LIFE TABLE	P=0.690	P=0.581N	P=0.583N	P=0.501N	P=0.504N	P=0.484
POLY 3	P=0.663	P=0.580N	P=0.585N	P=0.508N	P=0.518N	P=0.492
POLY 1.5	P=0.664	P=0.581N	P=0.583N	P=0.506N	P=0.513N	P=0.493
POLY 6	P=0.667	P=0.577N	P=0.588N	P=0.510N	P=0.524N	P=0.499
LOGISTIC REGRESSION	P=0.674	P=0.497N	P=0.568N	P=0.451N	P=0.383N	P=0.521
COCH-ARM / FISHERS	P=0.641	P=0.600N	P=0.600N	P=0.500N	P=0.502N	P=0.500
ORDER RESTRICTED	(e)	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	(e)



Test Type: CHRONIC-LIFETIME

Aspartame

Time Report Requested: 17:57:48

Route: DOSED FEED

CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
TERMINAL SACRIFICE AT 105 WEEKS

Males

DOSE 0 PPM

Heart  
Leukemia Myeloid

TUMOR RATES

OVERALL (a)	1/150 (1%)
POLY-3 RATE (b)	1/98.73
POLY-3 PERCENT (g)	1%
TERMINAL (d)	0/33 (0%)
FIRST INCIDENCE	368

STATISTICAL TESTS

LIFE TABLE	P=0.506
POLY 3	P=0.499
POLY 1.5	P=0.493
POLY 6	P=0.510
LOGISTIC REGRESSION	P=0.482
COCH-ARM / FISHERS	P=0.486
ORDER RESTRICTED	P=0.339N
MAX-ISO-POLY-3	P=0.372N

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Date Report Requested: 01/28/2008

Test Type: CHRONIC-LIFETIME

Aspartame

Time Report Requested: 17:57:48

Route: DOSED FEED

CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
 TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Males					
	100000 PPM	50000 PPM	10000 PPM	2000 PPM	400 PPM	80 PPM

Heart  
 Lymphoma Lympho-immunoblastic

TUMOR RATES

OVERALL (a)	4/100 (4%)	1/100 (1%)	0/100 (0%)	0/150 (0%)	2/149 (1%)	0/150 (0%)
POLY-3 RATE (b)	4/65.15	1/66.28	0/64.31	0/94.68	2/91.03	0/95.71
POLY-3 PERCENT (g)	6.1%	1.5%	0%	0%	2.2%	0%
TERMINAL (d)	2/27 (7%)	1/21 (5%)	0/21 (0%)	0/37 (0%)	0/34 (0%)	0/46 (0%)
FIRST INCIDENCE	596	730 (T)	---	---	405	---

STATISTICAL TESTS

LIFE TABLE	P=0.206	P=0.657N	P=0.339N	P=0.242N	P=0.662	P=0.219N
POLY 3	P=0.172	P=0.636N	P=0.337N	P=0.247N	P=0.664	P=0.245N
POLY 1.5	P=0.172	P=0.639N	P=0.335N	P=0.244N	P=0.672	P=0.244N
POLY 6	P=0.178	P=0.633N	P=0.341N	P=0.249N	P=0.657	P=0.242N
LOGISTIC REGRESSION	P=0.173	P=0.636N	P=0.332N	P=0.239N	P=0.682N	P=0.239N
COCH-ARM / FISHERS	P=0.176	P=0.649N	P=0.359N	P=0.249N	P=0.686	P=0.249N
ORDER RESTRICTED	(e)	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	(e)

Test Type: CHRONIC-LIFETIME

Aspartame

Time Report Requested: 17:57:48

Route: DOSED FEED

CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
 TERMINAL SACRIFICE AT 105 WEEKS

Males

DOSE 0 PPM

Heart  
 Lymphoma Lympho-immunoblastic

TUMOR RATES

OVERALL (a)	2/150 (1%)
POLY-3 RATE (b)	2/98.57
POLY-3 PERCENT (g)	2%
TERMINAL (d)	0/33 (0%)
FIRST INCIDENCE	494

STATISTICAL TESTS

LIFE TABLE	P=0.005**
POLY 3	P=0.004**
POLY 1.5	P=0.004**
POLY 6	P=0.004**
LOGISTIC REGRESSION	P=0.004**
COCH-ARM / FISHERS	P=0.004**
ORDER RESTRICTED	P=0.007**
MAX-ISO-POLY-3	P=0.007**

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Date Report Requested: 01/28/2008

Test Type: CHRONIC-LIFETIME

Aspartame

Time Report Requested: 17:57:48

Route: DOSED FEED

CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
 TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Males					
	100000 PPM	50000 PPM	10000 PPM	2000 PPM	400 PPM	80 PPM
<b>Heart Myxoma</b>						
<b>TUMOR RATES</b>						
OVERALL (a)	0/100 (0%)	0/100 (0%)	1/100 (1%)	1/150 (1%)	1/149 (1%)	1/150 (1%)
POLY-3 RATE (b)	0/64.38	0/66.28	1/64.31	1/94.97	1/90.02	1/95.72
POLY-3 PERCENT (g)	0%	0%	1.6%	1.1%	1.1%	1%
TERMINAL (d)	0/27 (0%)	0/21 (0%)	1/21 (5%)	0/37 (0%)	1/34 (3%)	0/46 (0%)
FIRST INCIDENCE	---	---	730 (T)	651	730 (T)	726
<b>STATISTICAL TESTS</b>						
LIFE TABLE	P=0.545N	P=0.594N	P=0.659	P=0.748	P=0.758	P=0.698N
POLY 3	P=0.584N	P=0.578N	P=0.664	P=0.754	P=0.742	P=0.756
POLY 1.5	P=0.583N	P=0.580N	P=0.666	P=0.756	P=0.747	P=0.756
POLY 6	P=0.581N	P=0.575N	P=0.661	P=0.754	P=0.736	P=0.760
LOGISTIC REGRESSION	P=0.566N	P=0.577N	P=0.653	P=0.754	P=0.742	P=0.739N
COCH-ARM / FISHERS	P=0.600N	P=0.600N	P=0.641	P=0.751N	P=0.749	P=0.751N
ORDER RESTRICTED	(e)	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	(e)

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Date Report Reqsted: 01/28/2008

Test Type: CHRONIC-LIFETIME

Aspartame

Time Report Reqsted: 17:57:48

Route: DOSED FEED

CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
TERMINAL SACRIFICE AT 105 WEEKS

Males

DOSE 0 PPM

Heart  
Myxoma

TUMOR RATES

OVERALL (a)	1/150 (1%)
POLY-3 RATE (b)	1/97.91
POLY-3 PERCENT (g)	1%
TERMINAL (d)	0/33 (0%)
FIRST INCIDENCE	716

STATISTICAL TESTS

LIFE TABLE	P=0.227N
POLY 3	P=0.222N
POLY 1.5	P=0.226N
POLY 6	P=0.218N
LOGISTIC REGRESSION	P=0.217N
COCH-ARM / FISHERS	P=0.231N
ORDER RESTRICTED	P=0.447N
MAX-ISO-POLY-3	P=0.429N

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Date Report Requested: 01/28/2008

Test Type: CHRONIC-LIFETIME

Aspartame

Time Report Requested: 17:57:48

Route: DOSED FEED

CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
 TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Males					
	100000 PPM	50000 PPM	10000 PPM	2000 PPM	400 PPM	80 PPM

Intestine Large: Colon/Rectum  
 Leiomyoma

TUMOR RATES	#	#	#	#	#	#
OVERALL (a)	0/100 (0%)	0/100 (0%)	0/100 (0%)	0/150 (0%)	2/150 (1%)	0/150 (0%)
POLY-3 RATE (b)	0/64.38	0/66.28	0/64.31	0/94.68	2/90.77	0/95.71
POLY-3 PERCENT (g)	0%	0%	0%	0%	2.2%	0%
TERMINAL (d)	0/27 (0%)	0/21 (0%)	0/21 (0%)	0/37 (0%)	1/34 (3%)	0/46 (0%)
FIRST INCIDENCE	---	---	---	---	528	---

STATISTICAL TESTS

LIFE TABLE	(e)	(e)	(e)	(e)	P=0.229	(e)
POLY 3	(e)	(e)	(e)	(e)	P=0.222	(e)
POLY 1.5	(e)	(e)	(e)	(e)	P=0.227	(e)
POLY 6	(e)	(e)	(e)	(e)	P=0.217	(e)
LOGISTIC REGRESSION	(e)	(e)	(e)	(e)	P=0.229	(e)
COCH-ARM / FISHERS	(e)	(e)	(e)	(e)	P=0.249	(e)
ORDER RESTRICTED	(e)	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	(e)

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Date Report Requested: 01/28/2008

Test Type: CHRONIC-LIFETIME

Aspartame

Time Report Requested: 17:57:48

Route: DOSED FEED

CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
TERMINAL SACRIFICE AT 105 WEEKS

Males

DOSE 0 PPM

Intestine Large: Colon/Rectum  
Leiomyoma

TUMOR RATES	#
OVERALL (a)	0/150 (0%)
POLY-3 RATE (b)	0/97.86
POLY-3 PERCENT (g)	0%
TERMINAL (d)	0/33 (0%)
FIRST INCIDENCE	---

STATISTICAL TESTS

LIFE TABLE	P=0.409N
POLY 3	P=0.413N
POLY 1.5	P=0.413N
POLY 6	P=0.416N
LOGISTIC REGRESSION	P=0.407N
COCH-ARM / FISHERS	P=0.409N
ORDER RESTRICTED	P=0.453N
MAX-ISO-POLY-3	P=0.477N

**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**

**Date Report Requested:** 01/28/2008

**Test Type:** CHRONIC-LIFETIME

Aspartame

**Time Report Requested:** 17:57:48

**Route:** DOSED FEED

**CAS Number:** 22839-47-0

**First Dose M/F:** 06/27/97 / 06/27/97

**Species/Strain:** RATS/SD

**Lab:** CRC

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males					
	100000 PPM	50000 PPM	10000 PPM	2000 PPM	400 PPM	80 PPM

**Intestine Large: Colon/Rectum  
Polyp Adenomatous**

TUMOR RATES	#	#	#	#	#	#
OVERALL (a)	0/100 (0%)	0/100 (0%)	0/100 (0%)	1/150 (1%)	0/150 (0%)	2/150 (1%)
POLY-3 RATE (b)	0/64.38	0/66.28	0/64.31	1/95.34	0/90.15	2/96.13
POLY-3 PERCENT (g)	0%	0%	0%	1.1%	0%	2.1%
TERMINAL (d)	0/27 (0%)	0/21 (0%)	0/21 (0%)	0/37 (0%)	0/34 (0%)	1/46 (2%)
FIRST INCIDENCE	---	---	---	508	---	607

**STATISTICAL TESTS**

LIFE TABLE	(e)	(e)	(e)	P=0.497	(e)	P=0.269
POLY 3	(e)	(e)	(e)	P=0.495	(e)	P=0.234
POLY 1.5	(e)	(e)	(e)	P=0.496	(e)	P=0.235
POLY 6	(e)	(e)	(e)	P=0.495	(e)	P=0.238
LOGISTIC REGRESSION	(e)	(e)	(e)	P=0.517	(e)	P=0.236
COCH-ARM / FISHERS	(e)	(e)	(e)	P=0.500	(e)	P=0.249
ORDER RESTRICTED	(e)	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	(e)



**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**

Aspartame

CAS Number: 22839-47-0

Date Report Requested: 01/28/2008

Time Report Requested: 17:57:48

First Dose M/F: 06/27/97 / 06/27/97

Lab: CRC

Test Type: CHRONIC-LIFETIME

Route: DOSED FEED

Species/Strain: RATS/SD

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
TERMINAL SACRIFICE AT 105 WEEKS**

---

**Males**

**DOSE**                      **0 PPM**

---

**Intestine Large: Colon/Rectum  
Polyp Adenomatous**

---

<b>TUMOR RATES</b>	#
OVERALL (a)	0/150 (0%)
POLY-3 RATE (b)	0/97.86
POLY-3 PERCENT (g)	0%
TERMINAL (d)	0/33 (0%)
FIRST INCIDENCE	---

---

**STATISTICAL TESTS**

LIFE TABLE	P=0.310N
POLY 3	P=0.302N
POLY 1.5	P=0.307N
POLY 6	P=0.293N
LOGISTIC REGRESSION	P=0.313N
COCH-ARM / FISHERS	P=0.314N
ORDER RESTRICTED	P=0.372N
MAX-ISO-POLY-3	P=0.402N

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P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Date Report Requested: 01/28/2008

Test Type: CHRONIC-LIFETIME

Aspartame

Time Report Requested: 17:57:48

Route: DOSED FEED

CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
 TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Males					
	100000 PPM	50000 PPM	10000 PPM	2000 PPM	400 PPM	80 PPM

Islets, Pancreatic  
 Adenoma

TUMOR RATES

OVERALL (a)	9/99 (9%)	6/100 (6%)	7/100 (7%)	5/150 (3%)	10/149 (7%)	3/148 (2%)
POLY-3 RATE (b)	9/65.18	6/67.25	7/65.42	5/94.68	10/91.06	3/95.14
POLY-3 PERCENT (g)	13.8%	8.9%	10.7%	5.3%	11%	3.2%
TERMINAL (d)	5/27 (19%)	1/21 (5%)	2/21 (10%)	5/37 (14%)	6/34 (18%)	2/46 (4%)
FIRST INCIDENCE	536	637	624	730 (T)	635	611

STATISTICAL TESTS

LIFE TABLE	P=0.217	P=0.439	P=0.269	P=0.322N	P=0.280	P=0.087N
POLY 3	P=0.129	P=0.456	P=0.308	P=0.401N	P=0.255	P=0.173N
POLY 1.5	P=0.128	P=0.442	P=0.309	P=0.394N	P=0.272	P=0.174N
POLY 6	P=0.139	P=0.477	P=0.309	P=0.406N	P=0.241	P=0.165N
LOGISTIC REGRESSION	P=0.147	P=0.461	P=0.278	P=0.380N	P=0.223	P=0.146N
COCH-ARM / FISHERS	P=0.133	P=0.429	P=0.307	P=0.380N	P=0.309	P=0.170N
ORDER RESTRICTED	(e)	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	(e)

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Date Report Requested: 01/28/2008

Test Type: CHRONIC-LIFETIME

Aspartame

Time Report Requested: 17:57:48

Route: DOSED FEED

CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
TERMINAL SACRIFICE AT 105 WEEKS

---

Males

DOSE 0 PPM

---

Islets, Pancreatic  
Adenoma

---

TUMOR RATES

OVERALL (a)	7/149 (5%)
POLY-3 RATE (b)	7/97.33
POLY-3 PERCENT (g)	7.2%
TERMINAL (d)	4/33 (12%)
FIRST INCIDENCE	687

STATISTICAL TESTS

LIFE TABLE	P=0.048*
POLY 3	P=0.036*
POLY 1.5	P=0.033*
POLY 6	P=0.041*
LOGISTIC REGRESSION	P=0.047*
COCH-ARM / FISHERS	P=0.032*
ORDER RESTRICTED	P=0.045*
MAX-ISO-POLY-3	P=0.064

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P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Date Report Requested: 01/28/2008

Test Type: CHRONIC-LIFETIME

Aspartame

Time Report Requested: 17:57:48

Route: DOSED FEED

CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
 TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Males					
	100000 PPM	50000 PPM	10000 PPM	2000 PPM	400 PPM	80 PPM

Islets, Pancreatic  
 Carcinoma or Adenoma

TUMOR RATES

OVERALL (a)	9/99 (9%)	6/100 (6%)	7/100 (7%)	5/150 (3%)	10/149 (7%)	3/148 (2%)
POLY-3 RATE (b)	9/65.18	6/67.25	7/65.42	5/94.68	10/91.06	3/95.14
POLY-3 PERCENT (g)	13.8%	8.9%	10.7%	5.3%	11%	3.2%
TERMINAL (d)	5/27 (19%)	1/21 (5%)	2/21 (10%)	5/37 (14%)	6/34 (18%)	2/46 (4%)
FIRST INCIDENCE	536	637	624	730 (T)	635	611

STATISTICAL TESTS

LIFE TABLE	P=0.217	P=0.439	P=0.269	P=0.322N	P=0.280	P=0.087N
POLY 3	P=0.129	P=0.456	P=0.308	P=0.401N	P=0.255	P=0.173N
POLY 1.5	P=0.128	P=0.442	P=0.309	P=0.394N	P=0.272	P=0.174N
POLY 6	P=0.139	P=0.477	P=0.309	P=0.406N	P=0.241	P=0.165N
LOGISTIC REGRESSION	P=0.147	P=0.461	P=0.278	P=0.380N	P=0.223	P=0.146N
COCH-ARM / FISHERS	P=0.133	P=0.429	P=0.307	P=0.380N	P=0.309	P=0.170N
ORDER RESTRICTED	(e)	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	(e)

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Date Report Requested: 01/28/2008

Test Type: CHRONIC-LIFETIME

Aspartame

Time Report Requested: 17:57:48

Route: DOSED FEED

CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
TERMINAL SACRIFICE AT 105 WEEKS

---

Males

DOSE 0 PPM

---

Islets, Pancreatic  
Carcinoma or Adenoma

---

TUMOR RATES

OVERALL (a)	7/149 (5%)
POLY-3 RATE (b)	7/97.33
POLY-3 PERCENT (g)	7.2%
TERMINAL (d)	4/33 (12%)
FIRST INCIDENCE	687

---

STATISTICAL TESTS

LIFE TABLE	P=0.048*
POLY 3	P=0.036*
POLY 1.5	P=0.033*
POLY 6	P=0.041*
LOGISTIC REGRESSION	P=0.047*
COCH-ARM / FISHERS	P=0.032*
ORDER RESTRICTED	P=0.045*
MAX-ISO-POLY-3	P=0.064

---

**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**

**Date Report Requested:** 01/28/2008

**Test Type:** CHRONIC-LIFETIME

Aspartame

**Time Report Requested:** 17:57:48

**Route:** DOSED FEED

**CAS Number:** 22839-47-0

**First Dose M/F:** 06/27/97 / 06/27/97

**Species/Strain:** RATS/SD

**Lab:** CRC

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males					
	100000 PPM	50000 PPM	10000 PPM	2000 PPM	400 PPM	80 PPM
<b>Islets, Pancreatic Leukemia Myeloid</b>						
<b>TUMOR RATES</b>						
OVERALL (a)	0/99 (0%)	0/100 (0%)	0/100 (0%)	0/150 (0%)	0/149 (0%)	2/148 (1%)
POLY-3 RATE (b)	0/64.07	0/66.28	0/64.31	0/94.68	0/90.02	2/95.5
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	2.1%
TERMINAL (d)	0/27 (0%)	0/21 (0%)	0/21 (0%)	0/37 (0%)	0/34 (0%)	0/46 (0%)
FIRST INCIDENCE	---	---	---	---	---	589
<b>STATISTICAL TESTS</b>						
LIFE TABLE	(e)	(e)	(e)	(e)	(e)	P=0.224
POLY 3	(e)	(e)	(e)	(e)	(e)	P=0.235
POLY 1.5	(e)	(e)	(e)	(e)	(e)	P=0.235
POLY 6	(e)	(e)	(e)	(e)	(e)	P=0.239
LOGISTIC REGRESSION	(e)	(e)	(e)	(e)	(e)	P=0.237
COCH-ARM / FISHERS	(e)	(e)	(e)	(e)	(e)	P=0.247
ORDER RESTRICTED	(e)	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	(e)

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Date Report Requested: 01/28/2008

Test Type: CHRONIC-LIFETIME

Aspartame

Time Report Requested: 17:57:48

Route: DOSED FEED

CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)

TERMINAL SACRIFICE AT 105 WEEKS

Males

DOSE 0 PPM

Islets, Pancreatic  
Leukemia Myeloid

TUMOR RATES

OVERALL (a)	0/149 (0%)
POLY-3 RATE (b)	0/97.04
POLY-3 PERCENT (g)	0%
TERMINAL (d)	0/33 (0%)
FIRST INCIDENCE	---

STATISTICAL TESTS

LIFE TABLE	P=0.391N
POLY 3	P=0.390N
POLY 1.5	P=0.397N
POLY 6	P=0.380N
LOGISTIC REGRESSION	P=0.403N
COCH-ARM / FISHERS	P=0.404N
ORDER RESTRICTED	P=0.274N
MAX-ISO-POLY-3	P=0.308N

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Date Report Requested: 01/28/2008

Test Type: CHRONIC-LIFETIME

Aspartame

Time Report Requested: 17:57:48

Route: DOSED FEED

CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
 TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Males					
	100000 PPM	50000 PPM	10000 PPM	2000 PPM	400 PPM	80 PPM

Kidney: Pelvis and Transitional Epithelium  
 Carcinoma

TUMOR RATES

OVERALL (a)	1/100 (1%)	1/100 (1%)	1/100 (1%)	1/150 (1%)	0/149 (0%)	0/149 (0%)
POLY-3 RATE (b)	1/64.38	1/66.89	1/64.51	1/94.68	0/90.02	0/95.68
POLY-3 PERCENT (g)	1.6%	1.5%	1.6%	1.1%	0%	0%
TERMINAL (d)	1/27 (4%)	0/21 (0%)	0/21 (0%)	1/37 (3%)	0/34 (0%)	0/46 (0%)
FIRST INCIDENCE	730 (T)	533	678	730 (T)	---	---

STATISTICAL TESTS

LIFE TABLE	P=0.460	P=0.412	P=0.405	P=0.523	(e)	(e)
POLY 3	P=0.416	P=0.424	P=0.417	P=0.493	(e)	(e)
POLY 1.5	P=0.417	P=0.421	P=0.418	P=0.496	(e)	(e)
POLY 6	P=0.420	P=0.428	P=0.415	P=0.492	(e)	(e)
LOGISTIC REGRESSION	P=0.460	P=0.428	P=0.414	P=0.523	(e)	(e)
COCH-ARM / FISHERS	P=0.400	P=0.400	P=0.400	P=0.500	(e)	(e)
ORDER RESTRICTED	(e)	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	(e)



P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Date Report Requested: 01/28/2008

Test Type: CHRONIC-LIFETIME

Aspartame

Time Report Requested: 17:57:48

Route: DOSED FEED

CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
 TERMINAL SACRIFICE AT 105 WEEKS

Males

DOSE 0 PPM

Kidney: Pelvis and Transitional Epithelium  
 Carcinoma

TUMOR RATES

OVERALL (a)	0/150 (0%)
POLY-3 RATE (b)	0/97.86
POLY-3 PERCENT (g)	0%
TERMINAL (d)	0/33 (0%)
FIRST INCIDENCE	---

STATISTICAL TESTS

LIFE TABLE	P=0.174
POLY 3	P=0.166
POLY 1.5	P=0.165
POLY 6	P=0.170
LOGISTIC REGRESSION	P=0.170
COCH-ARM / FISHERS	P=0.163
ORDER RESTRICTED	P=0.245
MAX-ISO-POLY-3	P=0.282

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Date Report Requested: 01/28/2008

Test Type: CHRONIC-LIFETIME

Aspartame

Time Report Requested: 17:57:48

Route: DOSED FEED

CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
 TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Males					
	100000 PPM	50000 PPM	10000 PPM	2000 PPM	400 PPM	80 PPM

Kidney: Pelvis and Transitional Epithelium  
 Papilloma

TUMOR RATES

OVERALL (a)	0/100 (0%)	0/100 (0%)	1/100 (1%)	0/150 (0%)	2/149 (1%)	0/149 (0%)
POLY-3 RATE (b)	0/64.38	0/66.28	1/64.7	0/94.68	2/90.4	0/95.68
POLY-3 PERCENT (g)	0%	0%	1.6%	0%	2.2%	0%
TERMINAL (d)	0/27 (0%)	0/21 (0%)	0/21 (0%)	0/37 (0%)	1/34 (3%)	0/46 (0%)
FIRST INCIDENCE	---	---	617	---	623	---

STATISTICAL TESTS

LIFE TABLE	(e)	(e)	P=0.437	(e)	P=0.229	(e)
POLY 3	(e)	(e)	P=0.417	(e)	P=0.221	(e)
POLY 1.5	(e)	(e)	P=0.418	(e)	P=0.226	(e)
POLY 6	(e)	(e)	P=0.416	(e)	P=0.217	(e)
LOGISTIC REGRESSION	(e)	(e)	P=0.419	(e)	P=0.217	(e)
COCH-ARM / FISHERS	(e)	(e)	P=0.400	(e)	P=0.247	(e)
ORDER RESTRICTED	(e)	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	(e)

Test Type: CHRONIC-LIFETIME

Aspartame

Time Report Requested: 17:57:48

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CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
 TERMINAL SACRIFICE AT 105 WEEKS

Males

DOSE 0 PPM

Kidney: Pelvis and Transitional Epithelium  
 Papilloma

TUMOR RATES

OVERALL (a)	0/150 (0%)
POLY-3 RATE (b)	0/97.86
POLY-3 PERCENT (g)	0%
TERMINAL (d)	0/33 (0%)
FIRST INCIDENCE	---

STATISTICAL TESTS

LIFE TABLE	P=0.358N
POLY 3	P=0.368N
POLY 1.5	P=0.370N
POLY 6	P=0.369N
LOGISTIC REGRESSION	P=0.364N
COCH-ARM / FISHERS	P=0.369N
ORDER RESTRICTED	P=0.489
MAX-ISO-POLY-3	P=0.512

**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**

**Date Report Requested:** 01/28/2008

**Test Type:** CHRONIC-LIFETIME

Aspartame

**Time Report Requested:** 17:57:48

**Route:** DOSED FEED

**CAS Number:** 22839-47-0

**First Dose M/F:** 06/27/97 / 06/27/97

**Species/Strain:** RATS/SD

**Lab:** CRC

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males					
	100000 PPM	50000 PPM	10000 PPM	2000 PPM	400 PPM	80 PPM

**Kidney: Renal Tubule  
Leukemia Lymphoblastic**

**TUMOR RATES**

OVERALL (a)	0/100 (0%)	0/100 (0%)	0/100 (0%)	0/150 (0%)	0/149 (0%)	0/149 (0%)
POLY-3 RATE (b)	0/64.38	0/66.28	0/64.31	0/94.68	0/90.02	0/95.68
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	0%
TERMINAL (d)	0/27 (0%)	0/21 (0%)	0/21 (0%)	0/37 (0%)	0/34 (0%)	0/46 (0%)
FIRST INCIDENCE	---	---	---	---	---	---

**STATISTICAL TESTS**

LIFE TABLE	(e)	(e)	(e)	(e)	(e)	(e)
POLY 3	(e)	(e)	(e)	(e)	(e)	(e)
POLY 1.5	(e)	(e)	(e)	(e)	(e)	(e)
POLY 6	(e)	(e)	(e)	(e)	(e)	(e)
LOGISTIC REGRESSION	(e)	(e)	(e)	(e)	(e)	(e)
COCH-ARM / FISHERS	(e)	(e)	(e)	(e)	(e)	(e)
ORDER RESTRICTED	(e)	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	(e)

**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**

Aspartame

CAS Number: 22839-47-0

Date Report Requested: 01/28/2008

Time Report Requested: 17:57:48

First Dose M/F: 06/27/97 / 06/27/97

Lab: CRC

Test Type: CHRONIC-LIFETIME

Route: DOSED FEED

Species/Strain: RATS/SD

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
TERMINAL SACRIFICE AT 105 WEEKS**

---

**Males**

**DOSE**                      **0 PPM**

---

**Kidney: Renal Tubule  
Leukemia Lymphoblastic**

---

**TUMOR RATES**

OVERALL (a)	0/150 (0%)
POLY-3 RATE (b)	0/97.86
POLY-3 PERCENT (g)	0%
TERMINAL (d)	0/33 (0%)
FIRST INCIDENCE	---

---

**STATISTICAL TESTS**

LIFE TABLE	(e)
POLY 3	(e)
POLY 1.5	(e)
POLY 6	(e)
LOGISTIC REGRESSION	(e)
COCH-ARM / FISHERS	(e)
ORDER RESTRICTED	(e)
MAX-ISO-POLY-3	(e)

---

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Date Report Requested: 01/28/2008

Test Type: CHRONIC-LIFETIME

Aspartame

Time Report Requested: 17:57:48

Route: DOSED FEED

CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
 TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Males					
	100000 PPM	50000 PPM	10000 PPM	2000 PPM	400 PPM	80 PPM

Kidney: Renal Tubule  
 Leukemia Monocytic

TUMOR RATES

OVERALL (a)	0/100 (0%)	1/100 (1%)	1/100 (1%)	2/150 (1%)	0/149 (0%)	0/149 (0%)
POLY-3 RATE (b)	0/64.38	1/66.28	1/64.73	2/96.05	0/90.02	0/95.68
POLY-3 PERCENT (g)	0%	1.5%	1.5%	2.1%	0%	0%
TERMINAL (d)	0/27 (0%)	1/21 (5%)	0/21 (0%)	0/37 (0%)	0/34 (0%)	0/46 (0%)
FIRST INCIDENCE	---	730 (T)	609	458	---	---

STATISTICAL TESTS

LIFE TABLE	(e)	P=0.410	P=0.439	P=0.228	(e)	(e)
POLY 3	(e)	P=0.422	P=0.417	P=0.234	(e)	(e)
POLY 1.5	(e)	P=0.420	P=0.418	P=0.235	(e)	(e)
POLY 6	(e)	P=0.425	P=0.416	P=0.235	(e)	(e)
LOGISTIC REGRESSION	(e)	P=0.410	P=0.419	P=0.259	(e)	(e)
COCH-ARM / FISHERS	(e)	P=0.400	P=0.400	P=0.249	(e)	(e)
ORDER RESTRICTED	(e)	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	(e)

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Date Report Requested: 01/28/2008

Test Type: CHRONIC-LIFETIME

Aspartame

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CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
TERMINAL SACRIFICE AT 105 WEEKS

Males

DOSE 0 PPM

Kidney: Renal Tubule  
Leukemia Monocytic

TUMOR RATES

OVERALL (a)	0/150 (0%)
POLY-3 RATE (b)	0/97.86
POLY-3 PERCENT (g)	0%
TERMINAL (d)	0/33 (0%)
FIRST INCIDENCE	---

STATISTICAL TESTS

LIFE TABLE	P=0.592N
POLY 3	P=0.588N
POLY 1.5	P=0.592N
POLY 6	P=0.582N
LOGISTIC REGRESSION	P=0.600N
COCH-ARM / FISHERS	P=0.597N
ORDER RESTRICTED	P=0.305
MAX-ISO-POLY-3	P=0.339

**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**

**Date Report Requested:** 01/28/2008

**Test Type:** CHRONIC-LIFETIME

Aspartame

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**Route:** DOSED FEED

**CAS Number:** 22839-47-0

**First Dose M/F:** 06/27/97 / 06/27/97

**Species/Strain:** RATS/SD

**Lab:** CRC

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
TERMINAL SACRIFICE AT 105 WEEKS**

---

DOSE	Males					
	100000 PPM	50000 PPM	10000 PPM	2000 PPM	400 PPM	80 PPM

---

**Kidney: Renal Tubule  
Leukemia Myeloid**

**TUMOR RATES**

<b>OVERALL (a)</b>	1/100 (1%)	0/100 (0%)	1/100 (1%)	0/150 (0%)	0/149 (0%)	1/149 (1%)
<b>POLY-3 RATE (b)</b>	1/64.46	0/66.28	1/64.63	0/94.68	0/90.02	1/96.16
<b>POLY-3 PERCENT (g)</b>	1.6%	0%	1.6%	0%	0%	1%
<b>TERMINAL (d)</b>	0/27 (0%)	0/21 (0%)	0/21 (0%)	0/37 (0%)	0/34 (0%)	0/46 (0%)
<b>FIRST INCIDENCE</b>	710	---	641	---	---	589

**STATISTICAL TESTS**

<b>LIFE TABLE</b>	P=0.454	(e)	P=0.404	(e)	(e)	P=0.484
<b>POLY 3</b>	P=0.417	(e)	P=0.417	(e)	(e)	P=0.497
<b>POLY 1.5</b>	P=0.417	(e)	P=0.418	(e)	(e)	P=0.496
<b>POLY 6</b>	P=0.420	(e)	P=0.416	(e)	(e)	P=0.501
<b>LOGISTIC REGRESSION</b>	P=0.430	(e)	P=0.417	(e)	(e)	P=0.501
<b>COCH-ARM / FISHERS</b>	P=0.400	(e)	P=0.400	(e)	(e)	P=0.498
<b>ORDER RESTRICTED</b>	(e)	(e)	(e)	(e)	(e)	(e)
<b>MAX-ISO-POLY-3</b>	(e)	(e)	(e)	(e)	(e)	(e)

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Test Type: CHRONIC-LIFETIME

Aspartame

Time Report Requested: 17:57:48

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CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
 TERMINAL SACRIFICE AT 105 WEEKS

Males

DOSE 0 PPM

Kidney: Renal Tubule  
 Leukemia Myeloid

TUMOR RATES

OVERALL (a)	0/150 (0%)
POLY-3 RATE (b)	0/97.86
POLY-3 PERCENT (g)	0%
TERMINAL (d)	0/33 (0%)
FIRST INCIDENCE	---

STATISTICAL TESTS

LIFE TABLE	P=0.319
POLY 3	P=0.304
POLY 1.5	P=0.301
POLY 6	P=0.312
LOGISTIC REGRESSION	P=0.300
COCH-ARM / FISHERS	P=0.296
ORDER RESTRICTED	P=0.178
MAX-ISO-POLY-3	P=0.214

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

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First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
 TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Males					
	100000 PPM	50000 PPM	10000 PPM	2000 PPM	400 PPM	80 PPM

Kidney: Renal Tubule  
 Lymphoma Lympho-immunoblastic

TUMOR RATES

OVERALL (a)	2/100 (2%)	1/100 (1%)	0/100 (0%)	1/150 (1%)	1/149 (1%)	0/149 (0%)
POLY-3 RATE (b)	2/64.76	1/66.35	0/64.31	1/94.68	1/90.45	0/95.68
POLY-3 PERCENT (g)	3.1%	1.5%	0%	1.1%	1.1%	0%
TERMINAL (d)	1/27 (4%)	0/21 (0%)	0/21 (0%)	1/37 (3%)	0/34 (0%)	0/46 (0%)
FIRST INCIDENCE	624	712	---	730 (T)	606	---

STATISTICAL TESTS

LIFE TABLE	P=0.550	P=0.636N	P=0.324N	P=0.501N	P=0.539N	P=0.255N
POLY 3	P=0.534	P=0.637N	P=0.338N	P=0.516N	P=0.531N	P=0.246N
POLY 1.5	P=0.535	P=0.639N	P=0.335N	P=0.510N	P=0.522N	P=0.244N
POLY 6	P=0.539	P=0.635N	P=0.343N	P=0.520N	P=0.541N	P=0.244N
LOGISTIC REGRESSION	P=0.542	P=0.638N	P=0.327N	P=0.498N	P=0.478N	P=0.231N
COCH-ARM / FISHERS	P=0.525	P=0.649N	P=0.359N	P=0.500N	P=0.503N	P=0.251N
ORDER RESTRICTED	(e)	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	(e)

Test Type: CHRONIC-LIFETIME

Aspartame

Time Report Requested: 17:57:48

Route: DOSED FEED

CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)

TERMINAL SACRIFICE AT 105 WEEKS

Males

DOSE 0 PPM

Kidney: Renal Tubule  
Lymphoma Lympho-immunoblastic

TUMOR RATES

OVERALL (a)	2/150 (1%)
POLY-3 RATE (b)	2/99.02
POLY-3 PERCENT (g)	2%
TERMINAL (d)	0/33 (0%)
FIRST INCIDENCE	464

STATISTICAL TESTS

LIFE TABLE	P=0.141
POLY 3	P=0.129
POLY 1.5	P=0.127
POLY 6	P=0.133
LOGISTIC REGRESSION	P=0.127
COCH-ARM / FISHERS	P=0.124
ORDER RESTRICTED	P=0.210
MAX-ISO-POLY-3	P=0.248

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Date Report Requested: 01/28/2008

Test Type: CHRONIC-LIFETIME

Aspartame

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Route: DOSED FEED

CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
 TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Males					
	100000 PPM	50000 PPM	10000 PPM	2000 PPM	400 PPM	80 PPM

Liver  
 Cholangioma

TUMOR RATES

OVERALL (a)	0/100 (0%)	1/100 (1%)	2/100 (2%)	2/150 (1%)	4/149 (3%)	0/149 (0%)
POLY-3 RATE (b)	0/64.38	1/66.28	2/64.42	2/94.72	4/91.57	0/95.68
POLY-3 PERCENT (g)	0%	1.5%	3.1%	2.1%	4.4%	0%
TERMINAL (d)	0/27 (0%)	1/21 (5%)	1/21 (5%)	1/37 (3%)	1/34 (3%)	0/46 (0%)
FIRST INCIDENCE	---	730 (T)	701	718	529	---

STATISTICAL TESTS

LIFE TABLE	(e)	P=0.410	P=0.146	P=0.255	P=0.058	(e)
POLY 3	(e)	P=0.424	P=0.154	P=0.233	P=0.057	(e)
POLY 1.5	(e)	P=0.422	P=0.155	P=0.236	P=0.059	(e)
POLY 6	(e)	P=0.427	P=0.152	P=0.232	P=0.055	(e)
LOGISTIC REGRESSION	(e)	P=0.410	P=0.144	P=0.238	P=0.064	(e)
COCH-ARM / FISHERS	(e)	P=0.403	P=0.162	P=0.253	P=0.062	(e)
ORDER RESTRICTED	(e)	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	(e)

**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**

Aspartame

CAS Number: 22839-47-0

Date Report Requested: 01/28/2008

Time Report Requested: 17:57:48

First Dose M/F: 06/27/97 / 06/27/97

Lab: CRC

Test Type: CHRONIC-LIFETIME

Route: DOSED FEED

Species/Strain: RATS/SD

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)**

**TERMINAL SACRIFICE AT 105 WEEKS**

---

**Males**

**DOSE**                      **0 PPM**

---

**Liver  
Cholangioma**

---

**TUMOR RATES**

OVERALL (a)	0/148 (0%)
POLY-3 RATE (b)	0/96.85
POLY-3 PERCENT (g)	0%
TERMINAL (d)	0/33 (0%)
FIRST INCIDENCE	---

.....  
**STATISTICAL TESTS**

LIFE TABLE	P=0.248N
POLY 3	P=0.256N
POLY 1.5	P=0.257N
POLY 6	P=0.252N
LOGISTIC REGRESSION	P=0.246N
COCH-ARM / FISHERS	P=0.257N
ORDER RESTRICTED	P=0.236
MAX-ISO-POLY-3	P=0.272

.....

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Date Report Requested: 01/28/2008

Test Type: CHRONIC-LIFETIME

Aspartame

Time Report Requested: 17:57:48

Route: DOSED FEED

CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
 TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Males					
	100000 PPM	50000 PPM	10000 PPM	2000 PPM	400 PPM	80 PPM

Liver  
 Hepatocellular Adenoma

TUMOR RATES

OVERALL (a)	0/100 (0%)	0/100 (0%)	0/100 (0%)	1/150 (1%)	0/149 (0%)	0/149 (0%)
POLY-3 RATE (b)	0/64.38	0/66.28	0/64.31	1/94.68	0/90.02	0/95.68
POLY-3 PERCENT (g)	0%	0%	0%	1.1%	0%	0%
TERMINAL (d)	0/27 (0%)	0/21 (0%)	0/21 (0%)	1/37 (3%)	0/34 (0%)	0/46 (0%)
FIRST INCIDENCE	---	---	---	730 (T)	---	---

STATISTICAL TESTS

LIFE TABLE	(e)	(e)	(e)	P=0.523	(e)	(e)
POLY 3	(e)	(e)	(e)	P=0.495	(e)	(e)
POLY 1.5	(e)	(e)	(e)	P=0.498	(e)	(e)
POLY 6	(e)	(e)	(e)	P=0.494	(e)	(e)
LOGISTIC REGRESSION	(e)	(e)	(e)	P=0.523	(e)	(e)
COCH-ARM / FISHERS	(e)	(e)	(e)	P=0.503	(e)	(e)
ORDER RESTRICTED	(e)	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	(e)

**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**

Date Report Requested: 01/28/2008

Test Type: CHRONIC-LIFETIME

Aspartame

Time Report Requested: 17:57:48

Route: DOSED FEED

CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
TERMINAL SACRIFICE AT 105 WEEKS**

---

**Males**

**DOSE**                      **0 PPM**

---

Liver  
Hepatocellular Adenoma

---

**TUMOR RATES**

OVERALL (a)	0/148 (0%)
POLY-3 RATE (b)	0/96.85
POLY-3 PERCENT (g)	0%
TERMINAL (d)	0/33 (0%)
FIRST INCIDENCE	---

---

**STATISTICAL TESTS**

LIFE TABLE	P=0.599N
POLY 3	P=0.597N
POLY 1.5	P=0.601N
POLY 6	P=0.596N
LOGISTIC REGRESSION	(e)
COCH-ARM / FISHERS	P=0.605N
ORDER RESTRICTED	P=0.588
MAX-ISO-POLY-3	P=0.600

---

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Date Report Requested: 01/28/2008

Test Type: CHRONIC-LIFETIME

Aspartame

Time Report Requested: 17:57:48

Route: DOSED FEED

CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
 TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Males					
	100000 PPM	50000 PPM	10000 PPM	2000 PPM	400 PPM	80 PPM

Liver  
 Hepatocellular Carcinoma or Hepatocellular Adenoma

TUMOR RATES

OVERALL (a)	1/100 (1%)	0/100 (0%)	0/100 (0%)	2/150 (1%)	0/149 (0%)	0/149 (0%)
POLY-3 RATE (b)	1/64.75	0/66.28	0/64.31	2/94.68	0/90.02	0/95.68
POLY-3 PERCENT (g)	1.5%	0%	0%	2.1%	0%	0%
TERMINAL (d)	0/27 (0%)	0/21 (0%)	0/21 (0%)	2/37 (5%)	0/34 (0%)	0/46 (0%)
FIRST INCIDENCE	627	---	---	730 (T)	---	---

STATISTICAL TESTS

LIFE TABLE	P=0.413	(e)	(e)	P=0.264	(e)	(e)
POLY 3	P=0.420	(e)	(e)	P=0.233	(e)	(e)
POLY 1.5	P=0.420	(e)	(e)	P=0.236	(e)	(e)
POLY 6	P=0.424	(e)	(e)	P=0.232	(e)	(e)
LOGISTIC REGRESSION	P=0.420	(e)	(e)	P=0.264	(e)	(e)
COCH-ARM / FISHERS	P=0.403	(e)	(e)	P=0.253	(e)	(e)
ORDER RESTRICTED	(e)	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	(e)



Test Type: CHRONIC-LIFETIME

Aspartame

Time Report Requested: 17:57:48

Route: DOSED FEED

CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
 TERMINAL SACRIFICE AT 105 WEEKS

Males

DOSE 0 PPM

Liver  
 Hepatocellular Carcinoma or Hepatocellular Adenoma

TUMOR RATES

OVERALL (a)	0/148 (0%)
POLY-3 RATE (b)	0/96.85
POLY-3 PERCENT (g)	0%
TERMINAL (d)	0/33 (0%)
FIRST INCIDENCE	---

STATISTICAL TESTS

LIFE TABLE	P=0.345
POLY 3	P=0.340
POLY 1.5	P=0.337
POLY 6	P=0.346
LOGISTIC REGRESSION	P=0.350
COCH-ARM / FISHERS	P=0.335
ORDER RESTRICTED	P=0.179
MAX-ISO-POLY-3	P=0.214

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Date Report Requested: 01/28/2008

Test Type: CHRONIC-LIFETIME

Aspartame

Time Report Requested: 17:57:48

Route: DOSED FEED

CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
 TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Males					
	100000 PPM	50000 PPM	10000 PPM	2000 PPM	400 PPM	80 PPM

Liver  
 Hepatocellular Carcinoma, Hepatocellular Adenoma, or Hepatoblastoma

TUMOR RATES

OVERALL (a)	1/100 (1%)	0/100 (0%)	0/100 (0%)	2/150 (1%)	0/149 (0%)	0/149 (0%)
POLY-3 RATE (b)	1/64.75	0/66.28	0/64.31	2/94.68	0/90.02	0/95.68
POLY-3 PERCENT (g)	1.5%	0%	0%	2.1%	0%	0%
TERMINAL (d)	0/27 (0%)	0/21 (0%)	0/21 (0%)	2/37 (5%)	0/34 (0%)	0/46 (0%)
FIRST INCIDENCE	627	---	---	730 (T)	---	---

STATISTICAL TESTS

LIFE TABLE	P=0.413	(e)	(e)	P=0.264	(e)	(e)
POLY 3	P=0.420	(e)	(e)	P=0.233	(e)	(e)
POLY 1.5	P=0.420	(e)	(e)	P=0.236	(e)	(e)
POLY 6	P=0.424	(e)	(e)	P=0.232	(e)	(e)
LOGISTIC REGRESSION	P=0.420	(e)	(e)	P=0.264	(e)	(e)
COCH-ARM / FISHERS	P=0.403	(e)	(e)	P=0.253	(e)	(e)
ORDER RESTRICTED	(e)	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	(e)

Test Type: CHRONIC-LIFETIME

Aspartame

Time Report Requested: 17:57:48

Route: DOSED FEED

CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
 TERMINAL SACRIFICE AT 105 WEEKS

Males

DOSE 0 PPM

Liver  
 Hepatocellular Carcinoma, Hepatocellular Adenoma, or Hepatoblastoma

TUMOR RATES

OVERALL (a)	0/148 (0%)
POLY-3 RATE (b)	0/96.85
POLY-3 PERCENT (g)	0%
TERMINAL (d)	0/33 (0%)
FIRST INCIDENCE	---

STATISTICAL TESTS

LIFE TABLE	P=0.345
POLY 3	P=0.340
POLY 1.5	P=0.337
POLY 6	P=0.346
LOGISTIC REGRESSION	P=0.350
COCH-ARM / FISHERS	P=0.335
ORDER RESTRICTED	P=0.179
MAX-ISO-POLY-3	P=0.214

**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**

Date Report Requested: 01/28/2008

Test Type: CHRONIC-LIFETIME

Aspartame

Time Report Requested: 17:57:48

Route: DOSED FEED

CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males					
	100000 PPM	50000 PPM	10000 PPM	2000 PPM	400 PPM	80 PPM
<b>Liver</b>						
<b>Leukemia Lymphocytic</b>						
<b>TUMOR RATES</b>						
OVERALL (a)	0/100 (0%)	0/100 (0%)	1/100 (1%)	0/150 (0%)	0/149 (0%)	0/149 (0%)
POLY-3 RATE (b)	0/64.38	0/66.28	1/65.28	0/94.68	0/90.02	0/95.68
POLY-3 PERCENT (g)	0%	0%	1.5%	0%	0%	0%
TERMINAL (d)	0/27 (0%)	0/21 (0%)	0/21 (0%)	0/37 (0%)	0/34 (0%)	0/46 (0%)
FIRST INCIDENCE	---	---	218	---	---	---
<b>STATISTICAL TESTS</b>						
LIFE TABLE	(e)	(e)	P=0.420	(e)	(e)	(e)
POLY 3	(e)	(e)	P=0.421	(e)	(e)	(e)
POLY 1.5	(e)	(e)	P=0.422	(e)	(e)	(e)
POLY 6	(e)	(e)	P=0.420	(e)	(e)	(e)
LOGISTIC REGRESSION	(e)	(e)	P=0.384	(e)	(e)	(e)
COCH-ARM / FISHERS	(e)	(e)	P=0.403	(e)	(e)	(e)
ORDER RESTRICTED	(e)	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	(e)

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Aspartame

CAS Number: 22839-47-0

Date Report Requested: 01/28/2008

Time Report Requested: 17:57:48

First Dose M/F: 06/27/97 / 06/27/97

Lab: CRC

Test Type: CHRONIC-LIFETIME

Route: DOSED FEED

Species/Strain: RATS/SD

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
TERMINAL SACRIFICE AT 105 WEEKS

Males

DOSE 0 PPM

Liver  
Leukemia Lymphocytic

TUMOR RATES

OVERALL (a)	0/148 (0%)
POLY-3 RATE (b)	0/96.85
POLY-3 PERCENT (g)	0%
TERMINAL (d)	0/33 (0%)
FIRST INCIDENCE	---

STATISTICAL TESTS

LIFE TABLE	P=0.695N
POLY 3	P=0.683N
POLY 1.5	P=0.688N
POLY 6	P=0.681N
LOGISTIC REGRESSION	P=0.802N
COCH-ARM / FISHERS	P=0.695N
ORDER RESTRICTED	P=0.445
MAX-ISO-POLY-3	P=0.469

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Date Report Requested: 01/28/2008

Test Type: CHRONIC-LIFETIME

Aspartame

Time Report Requested: 17:57:48

Route: DOSED FEED

CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
 TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Males					
	100000 PPM	50000 PPM	10000 PPM	2000 PPM	400 PPM	80 PPM
<b>Liver</b>						
<b>Leukemia Monocytic</b>						
<b>TUMOR RATES</b>						
OVERALL (a)	1/100 (1%)	1/100 (1%)	2/100 (2%)	7/150 (5%)	1/149 (1%)	2/149 (1%)
POLY-3 RATE (b)	1/64.38	1/66.28	2/65.08	7/97.08	1/90.37	2/95.68
POLY-3 PERCENT (g)	1.6%	1.5%	3.1%	7.2%	1.1%	2.1%
TERMINAL (d)	1/27 (4%)	1/21 (5%)	0/21 (0%)	3/37 (8%)	0/34 (0%)	2/46 (4%)
FIRST INCIDENCE	730 (T)	730 (T)	609	458	632	730 (T)
<b>STATISTICAL TESTS</b>						
LIFE TABLE	P=0.616N	P=0.632N	P=0.537	P=0.091	P=0.549N	P=0.638N
POLY 3	P=0.642N	P=0.632N	P=0.542	P=0.084	P=0.526N	P=0.687
POLY 1.5	P=0.639N	P=0.635N	P=0.544	P=0.086	P=0.517N	P=0.689
POLY 6	P=0.639N	P=0.630N	P=0.540	P=0.084	P=0.536N	P=0.691
LOGISTIC REGRESSION	P=0.634N	P=0.627N	P=0.542	P=0.088	P=0.522N	P=0.687N
COCH-ARM / FISHERS	P=0.644N	P=0.644N	P=0.531	P=0.090	P=0.497N	P=0.686N
ORDER RESTRICTED	(e)	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	(e)

**Test Type:** CHRONIC-LIFETIME

Aspartame

**Time Report Requested: 17:57:48**

**Route:** DOSED FEED

**CAS Number:** 22839-47-0

**First Dose M/F:** 06/27/97 / 06/27/97

**Species/Strain:** RATS/SD

**Lab:** CRC

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
TERMINAL SACRIFICE AT 105 WEEKS**

**Males**

**DOSE    0 PPM**

**Liver  
Leukemia Monocytic**

**TUMOR RATES**

<b>OVERALL (a)</b>	2/148 (1%)
<b>POLY-3 RATE (b)</b>	2/97.36
<b>POLY-3 PERCENT (g)</b>	2.1%
<b>TERMINAL (d)</b>	0/33 (0%)
<b>FIRST INCIDENCE</b>	653

**STATISTICAL TESTS**

<b>LIFE TABLE</b>	P=0.253N
<b>POLY 3</b>	P=0.245N
<b>POLY 1.5</b>	P=0.252N
<b>POLY 6</b>	P=0.236N
<b>LOGISTIC REGRESSION</b>	P=0.252N
<b>COCH-ARM / FISHERS</b>	P=0.262N
<b>ORDER RESTRICTED</b>	P=0.447
<b>MAX-ISO-POLY-3</b>	P=0.472

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Date Report Requested: 01/28/2008

Test Type: CHRONIC-LIFETIME

Aspartame

Time Report Requested: 17:57:48

Route: DOSED FEED

CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
 TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Males					
	100000 PPM	50000 PPM	10000 PPM	2000 PPM	400 PPM	80 PPM
<b>Liver</b>						
<b>Lymphoma Malignant</b>						
<b>TUMOR RATES</b>						
OVERALL (a)	0/100 (0%)	1/100 (1%)	1/100 (1%)	2/150 (1%)	0/149 (0%)	0/149 (0%)
POLY-3 RATE (b)	0/64.38	1/66.35	1/64.31	2/94.9	0/90.02	0/95.68
POLY-3 PERCENT (g)	0%	1.5%	1.6%	2.1%	0%	0%
TERMINAL (d)	0/27 (0%)	0/21 (0%)	1/21 (5%)	1/37 (3%)	0/34 (0%)	0/46 (0%)
FIRST INCIDENCE	---	712	730 (T)	671	---	---
<b>STATISTICAL TESTS</b>						
LIFE TABLE	P=0.348N	P=0.634N	P=0.638N	P=0.689N	P=0.262N	P=0.254N
POLY 3	P=0.335N	P=0.634N	P=0.644N	P=0.682	P=0.258N	P=0.244N
POLY 1.5	P=0.333N	P=0.635N	P=0.639N	P=0.687	P=0.250N	P=0.242N
POLY 6	P=0.333N	P=0.632N	P=0.651N	P=0.678	P=0.266N	P=0.242N
LOGISTIC REGRESSION	P=0.323N	P=0.634N	P=0.635N	P=0.692	P=0.218N	P=0.230N
COCH-ARM / FISHERS	P=0.355N	P=0.644N	P=0.644N	P=0.684N	P=0.247N	P=0.247N
ORDER RESTRICTED	(e)	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	(e)



**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**

Aspartame

CAS Number: 22839-47-0

Date Report Requested: 01/28/2008

Time Report Requested: 17:57:48

First Dose M/F: 06/27/97 / 06/27/97

Lab: CRC

Test Type: CHRONIC-LIFETIME

Route: DOSED FEED

Species/Strain: RATS/SD

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)**

**TERMINAL SACRIFICE AT 105 WEEKS**

---

**Males**

**DOSE**                      **0 PPM**

---

Liver  
Lymphoma Malignant

---

**TUMOR RATES**

OVERALL (a)	2/148 (1%)
POLY-3 RATE (b)	2/97.94
POLY-3 PERCENT (g)	2%
TERMINAL (d)	0/33 (0%)
FIRST INCIDENCE	504

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**STATISTICAL TESTS**

LIFE TABLE	P=0.387N
POLY 3	P=0.383N
POLY 1.5	P=0.389N
POLY 6	P=0.375N
LOGISTIC REGRESSION	P=0.390N
COCH-ARM / FISHERS	P=0.398N
ORDER RESTRICTED	P=0.210N
MAX-ISO-POLY-3	P=0.248N

---

**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**

**Date Report Requested:** 01/28/2008

**Test Type:** CHRONIC-LIFETIME

Aspartame

**Time Report Requested:** 17:57:48

**Route:** DOSED FEED

**CAS Number:** 22839-47-0

**First Dose M/F:** 06/27/97 / 06/27/97

**Species/Strain:** RATS/SD

**Lab:** CRC

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males					
	100000 PPM	50000 PPM	10000 PPM	2000 PPM	400 PPM	80 PPM
<b>Lung Adenoma</b>						
<b>TUMOR RATES</b>						
OVERALL (a)	1/100 (1%)	0/100 (0%)	0/100 (0%)	0/150 (0%)	0/149 (0%)	0/150 (0%)
POLY-3 RATE (b)	1/64.38	0/66.28	0/64.31	0/94.68	0/90.02	0/95.71
POLY-3 PERCENT (g)	1.6%	0%	0%	0%	0%	0%
TERMINAL (d)	1/27 (4%)	0/21 (0%)	0/21 (0%)	0/37 (0%)	0/34 (0%)	0/46 (0%)
FIRST INCIDENCE	730 (T)	---	---	---	---	---
<b>STATISTICAL TESTS</b>						
LIFE TABLE	P=0.460	(e)	(e)	(e)	(e)	(e)
POLY 3	P=0.416	(e)	(e)	(e)	(e)	(e)
POLY 1.5	P=0.417	(e)	(e)	(e)	(e)	(e)
POLY 6	P=0.420	(e)	(e)	(e)	(e)	(e)
LOGISTIC REGRESSION	P=0.460	(e)	(e)	(e)	(e)	(e)
COCH-ARM / FISHERS	P=0.400	(e)	(e)	(e)	(e)	(e)
ORDER RESTRICTED	(e)	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	(e)

**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**

Aspartame

CAS Number: 22839-47-0

Date Report Requested: 01/28/2008

Time Report Requested: 17:57:48

First Dose M/F: 06/27/97 / 06/27/97

Lab: CRC

Test Type: CHRONIC-LIFETIME

Route: DOSED FEED

Species/Strain: RATS/SD

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
TERMINAL SACRIFICE AT 105 WEEKS**

---

**Males**

**DOSE**                      **0 PPM**

---

**Lung  
Adenoma**

---

**TUMOR RATES**

OVERALL (a)	0/150 (0%)
POLY-3 RATE (b)	0/97.86
POLY-3 PERCENT (g)	0%
TERMINAL (d)	0/33 (0%)
FIRST INCIDENCE	---

---

**STATISTICAL TESTS**

LIFE TABLE	P=0.047*
POLY 3	P=0.042*
POLY 1.5	P=0.041*
POLY 6	P=0.042*
LOGISTIC REGRESSION	(e)
COCH-ARM / FISHERS	P=0.041*
ORDER RESTRICTED	P=0.019*
MAX-ISO-POLY-3	P=0.032*

---

**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**

**Date Report Requested:** 01/28/2008

**Test Type:** CHRONIC-LIFETIME

Aspartame

**Time Report Requested:** 17:57:48

**Route:** DOSED FEED

**CAS Number:** 22839-47-0

**First Dose M/F:** 06/27/97 / 06/27/97

**Species/Strain:** RATS/SD

**Lab:** CRC

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males					
	100000 PPM	50000 PPM	10000 PPM	2000 PPM	400 PPM	80 PPM

**Lung  
Alveolar/Bronchiolar Adenoma**

**TUMOR RATES**

OVERALL (a)	0/100 (0%)	0/100 (0%)	0/100 (0%)	1/150 (1%)	0/149 (0%)	0/150 (0%)
POLY-3 RATE (b)	0/64.38	0/66.28	0/64.31	1/94.68	0/90.02	0/95.71
POLY-3 PERCENT (g)	0%	0%	0%	1.1%	0%	0%
TERMINAL (d)	0/27 (0%)	0/21 (0%)	0/21 (0%)	1/37 (3%)	0/34 (0%)	0/46 (0%)
FIRST INCIDENCE	---	---	---	730 (T)	---	---

**STATISTICAL TESTS**

LIFE TABLE	(e)	(e)	(e)	P=0.523	(e)	(e)
POLY 3	(e)	(e)	(e)	P=0.493	(e)	(e)
POLY 1.5	(e)	(e)	(e)	P=0.496	(e)	(e)
POLY 6	(e)	(e)	(e)	P=0.492	(e)	(e)
LOGISTIC REGRESSION	(e)	(e)	(e)	P=0.523	(e)	(e)
COCH-ARM / FISHERS	(e)	(e)	(e)	P=0.500	(e)	(e)
ORDER RESTRICTED	(e)	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	(e)

**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**

Aspartame

CAS Number: 22839-47-0

Date Report Requested: 01/28/2008

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First Dose M/F: 06/27/97 / 06/27/97

Lab: CRC

Test Type: CHRONIC-LIFETIME

Route: DOSED FEED

Species/Strain: RATS/SD

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
TERMINAL SACRIFICE AT 105 WEEKS**

---

**Males**

**DOSE**                      **0 PPM**

---

**Lung**  
**Alveolar/Bronchiolar Adenoma**

---

**TUMOR RATES**

OVERALL (a)	0/150 (0%)
POLY-3 RATE (b)	0/97.86
POLY-3 PERCENT (g)	0%
TERMINAL (d)	0/33 (0%)
FIRST INCIDENCE	---

---

**STATISTICAL TESTS**

LIFE TABLE	P=0.599N
POLY 3	P=0.597N
POLY 1.5	P=0.601N
POLY 6	P=0.596N
LOGISTIC REGRESSION	(e)
COCH-ARM / FISHERS	P=0.606N
ORDER RESTRICTED	P=0.587
MAX-ISO-POLY-3	P=0.600

---

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Date Report Requested: 01/28/2008

Test Type: CHRONIC-LIFETIME

Aspartame

Time Report Requested: 17:57:48

Route: DOSED FEED

CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
 TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Males					
	100000 PPM	50000 PPM	10000 PPM	2000 PPM	400 PPM	80 PPM
<b>Lung Fibroangioma</b>						
<b>TUMOR RATES</b>						
OVERALL (a)	0/100 (0%)	1/100 (1%)	0/100 (0%)	0/150 (0%)	0/149 (0%)	1/150 (1%)
POLY-3 RATE (b)	0/64.38	1/66.62	0/64.31	0/94.68	0/90.02	1/95.71
POLY-3 PERCENT (g)	0%	1.5%	0%	0%	0%	1%
TERMINAL (d)	0/27 (0%)	0/21 (0%)	0/21 (0%)	0/37 (0%)	0/34 (0%)	1/46 (2%)
FIRST INCIDENCE	---	635	---	---	---	730 (T)
<b>STATISTICAL TESTS</b>						
LIFE TABLE	(e)	P=0.443	(e)	(e)	(e)	P=0.566
POLY 3	(e)	P=0.423	(e)	(e)	(e)	P=0.496
POLY 1.5	(e)	P=0.420	(e)	(e)	(e)	P=0.496
POLY 6	(e)	P=0.427	(e)	(e)	(e)	P=0.499
LOGISTIC REGRESSION	(e)	P=0.420	(e)	(e)	(e)	P=0.566
COCH-ARM / FISHERS	(e)	P=0.400	(e)	(e)	(e)	P=0.500
ORDER RESTRICTED	(e)	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	(e)

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Date Report Requested: 01/28/2008

Test Type: CHRONIC-LIFETIME

Aspartame

Time Report Requested: 17:57:48

Route: DOSED FEED

CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)

TERMINAL SACRIFICE AT 105 WEEKS

Males

DOSE 0 PPM

Lung  
Fibroangioma

TUMOR RATES

OVERALL (a)	0/150 (0%)
POLY-3 RATE (b)	0/97.86
POLY-3 PERCENT (g)	0%
TERMINAL (d)	0/33 (0%)
FIRST INCIDENCE	---

STATISTICAL TESTS

LIFE TABLE	P=0.603
POLY 3	P=0.594
POLY 1.5	P=0.595
POLY 6	P=0.602
LOGISTIC REGRESSION	P=0.605
COCH-ARM / FISHERS	P=0.597
ORDER RESTRICTED	P=0.419
MAX-ISO-POLY-3	P=0.444

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Date Report Requested: 01/28/2008

Test Type: CHRONIC-LIFETIME

Aspartame

Time Report Requested: 17:57:48

Route: DOSED FEED

CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
 TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Males					
	100000 PPM	50000 PPM	10000 PPM	2000 PPM	400 PPM	80 PPM
<b>Lung</b>						
<b>Leukemia Lymphoblastic</b>						
<b>TUMOR RATES</b>						
OVERALL (a)	0/100 (0%)	0/100 (0%)	0/100 (0%)	0/150 (0%)	0/149 (0%)	0/150 (0%)
POLY-3 RATE (b)	0/64.38	0/66.28	0/64.31	0/94.68	0/90.02	0/95.71
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	0%
TERMINAL (d)	0/27 (0%)	0/21 (0%)	0/21 (0%)	0/37 (0%)	0/34 (0%)	0/46 (0%)
FIRST INCIDENCE	---	---	---	---	---	---
<b>STATISTICAL TESTS</b>						
LIFE TABLE	P=0.600N	P=0.582N	P=0.585N	P=0.505N	P=0.510N	P=0.512N
POLY 3	P=0.585N	P=0.579N	P=0.585N	P=0.508N	P=0.518N	P=0.506N
POLY 1.5	P=0.584N	P=0.581N	P=0.583N	P=0.505N	P=0.512N	P=0.504N
POLY 6	P=0.583N	P=0.577N	P=0.588N	P=0.510N	P=0.524N	P=0.504N
LOGISTIC REGRESSION	P=0.577N	P=0.564N	P=0.575N	P=0.482N	P=0.464N	P=0.482N
COCH-ARM / FISHERS	P=0.600N	P=0.600N	P=0.600N	P=0.500N	P=0.502N	P=0.500N
ORDER RESTRICTED	(e)	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	(e)



Test Type: CHRONIC-LIFETIME

Aspartame

Time Report Requested: 17:57:48

Route: DOSED FEED

CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
TERMINAL SACRIFICE AT 105 WEEKS

Males

DOSE 0 PPM

Lung  
Leukemia Lymphoblastic

TUMOR RATES

OVERALL (a)	1/150 (1%)
POLY-3 RATE (b)	1/98.53
POLY-3 PERCENT (g)	1%
TERMINAL (d)	0/33 (0%)
FIRST INCIDENCE	504

STATISTICAL TESTS

LIFE TABLE	P=0.590N
POLY 3	P=0.565N
POLY 1.5	P=0.572N
POLY 6	P=0.562N
LOGISTIC REGRESSION	P=0.592N
COCH-ARM / FISHERS	P=0.582N
ORDER RESTRICTED	P=0.127N
MAX-ISO-POLY-3	P=0.162N

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Date Report Requested: 01/28/2008

Test Type: CHRONIC-LIFETIME

Aspartame

Time Report Requested: 17:57:48

Route: DOSED FEED

CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
 TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Males					
	100000 PPM	50000 PPM	10000 PPM	2000 PPM	400 PPM	80 PPM
<b>Lung</b>						
<b>Leukemia Monocytic</b>						
<b>TUMOR RATES</b>						
OVERALL (a)	1/100 (1%)	1/100 (1%)	2/100 (2%)	7/150 (5%)	1/149 (1%)	2/150 (1%)
POLY-3 RATE (b)	1/64.38	1/66.28	2/65.08	7/97.08	1/90.37	2/95.71
POLY-3 PERCENT (g)	1.6%	1.5%	3.1%	7.2%	1.1%	2.1%
TERMINAL (d)	1/27 (4%)	1/21 (5%)	0/21 (0%)	3/37 (8%)	0/34 (0%)	2/46 (4%)
FIRST INCIDENCE	730 (T)	730 (T)	609	458	632	730 (T)
<b>STATISTICAL TESTS</b>						
LIFE TABLE	P=0.690	P=0.668	P=0.368	P=0.039*	P=0.733	P=0.568
POLY 3	P=0.664	P=0.671	P=0.359	P=0.033*	P=0.742	P=0.491
POLY 1.5	P=0.665	P=0.668	P=0.360	P=0.034*	P=0.748	P=0.493
POLY 6	P=0.668	P=0.675	P=0.358	P=0.033*	P=0.737	P=0.495
LOGISTIC REGRESSION	P=0.672	P=0.676	P=0.359	P=0.035*	P=0.748	P=0.510
COCH-ARM / FISHERS	P=0.641	P=0.641	P=0.351	P=0.033*	P=0.749	P=0.500
ORDER RESTRICTED	(e)	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	(e)

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Date Report Requested: 01/28/2008

Test Type: CHRONIC-LIFETIME

Aspartame

Time Report Requested: 17:57:48

Route: DOSED FEED

CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
TERMINAL SACRIFICE AT 105 WEEKS

Males

DOSE 0 PPM

Lung  
Leukemia Monocytic

TUMOR RATES

OVERALL (a)	1/150 (1%)
POLY-3 RATE (b)	1/98.14
POLY-3 PERCENT (g)	1%
TERMINAL (d)	0/33 (0%)
FIRST INCIDENCE	653

STATISTICAL TESTS

LIFE TABLE	P=0.295N
POLY 3	P=0.288N
POLY 1.5	P=0.296N
POLY 6	P=0.277N
LOGISTIC REGRESSION	P=0.296N
COCH-ARM / FISHERS	P=0.306N
ORDER RESTRICTED	P=0.283
MAX-ISO-POLY-3	P=0.319

**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**

**Date Report Requested:** 01/28/2008

**Test Type:** CHRONIC-LIFETIME

Aspartame

**Time Report Requested:** 17:57:48

**Route:** DOSED FEED

**CAS Number:** 22839-47-0

**First Dose M/F:** 06/27/97 / 06/27/97

**Species/Strain:** RATS/SD

**Lab:** CRC

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males					
	100000 PPM	50000 PPM	10000 PPM	2000 PPM	400 PPM	80 PPM
<b>Lung</b>						
<b>Leukemia Myeloid</b>						
<b>TUMOR RATES</b>						
OVERALL (a)	1/100 (1%)	0/100 (0%)	1/100 (1%)	0/150 (0%)	0/149 (0%)	2/150 (1%)
POLY-3 RATE (b)	1/64.46	0/66.28	1/64.63	0/94.68	0/90.02	2/96.48
POLY-3 PERCENT (g)	1.6%	0%	1.6%	0%	0%	2.1%
TERMINAL (d)	0/27 (0%)	0/21 (0%)	0/21 (0%)	0/37 (0%)	0/34 (0%)	0/46 (0%)
FIRST INCIDENCE	710	---	641	---	---	589
<b>STATISTICAL TESTS</b>						
LIFE TABLE	P=0.454	(e)	P=0.404	(e)	(e)	P=0.224
POLY 3	P=0.417	(e)	P=0.417	(e)	(e)	P=0.235
POLY 1.5	P=0.417	(e)	P=0.418	(e)	(e)	P=0.235
POLY 6	P=0.420	(e)	P=0.416	(e)	(e)	P=0.240
LOGISTIC REGRESSION	P=0.430	(e)	P=0.417	(e)	(e)	P=0.238
COCH-ARM / FISHERS	P=0.400	(e)	P=0.400	(e)	(e)	P=0.249
ORDER RESTRICTED	(e)	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	(e)

**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**

Aspartame

CAS Number: 22839-47-0

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Lab: CRC

Test Type: CHRONIC-LIFETIME

Route: DOSED FEED

Species/Strain: RATS/SD

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)**

**TERMINAL SACRIFICE AT 105 WEEKS**

---

**Males**

**DOSE**                      **0 PPM**

---

**Lung**  
**Leukemia Myeloid**

---

**TUMOR RATES**

OVERALL (a)	0/150 (0%)
POLY-3 RATE (b)	0/97.86
POLY-3 PERCENT (g)	0%
TERMINAL (d)	0/33 (0%)
FIRST INCIDENCE	---

---

**STATISTICAL TESTS**

LIFE TABLE	P=0.450
POLY 3	P=0.437
POLY 1.5	P=0.432
POLY 6	P=0.449
LOGISTIC REGRESSION	P=0.431
COCH-ARM / FISHERS	P=0.425
ORDER RESTRICTED	P=0.245
MAX-ISO-POLY-3	P=0.281

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P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Date Report Requested: 01/28/2008

Test Type: CHRONIC-LIFETIME

Aspartame

Time Report Requested: 17:57:48

Route: DOSED FEED

CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
 TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Males					
	100000 PPM	50000 PPM	10000 PPM	2000 PPM	400 PPM	80 PPM
<b>Lung</b>						
<b>Lymphoma Lympho-immunoblastic</b>						
<b>TUMOR RATES</b>						
OVERALL (a)	23/100 (23%)	10/100 (10%)	7/100 (7%)	14/150 (9%)	21/149 (14%)	12/150 (8%)
POLY-3 RATE (b)	23/71.42	10/68.7	7/65.51	14/96.22	21/98.07	12/99.9
POLY-3 PERCENT (g)	32.2%	14.6%	10.7%	14.6%	21.4%	12%
TERMINAL (d)	8/27 (30%)	3/21 (14%)	2/21 (10%)	5/37 (14%)	3/34 (9%)	2/46 (4%)
FIRST INCIDENCE	377	440	523	621	329	489
<b>STATISTICAL TESTS</b>						
LIFE TABLE	P=0.050*	P=0.325N	P=0.152N	P=0.244N	P=0.320	P=0.124N
POLY 3	P=0.022*	P=0.334N	P=0.131N	P=0.302N	P=0.345	P=0.145N
POLY 1.5	P=0.022*	P=0.335N	P=0.120N	P=0.271N	P=0.368	P=0.141N
POLY 6	P=0.025*	P=0.339N	P=0.154N	P=0.342N	P=0.326	P=0.140N
LOGISTIC REGRESSION	P=0.023*	P=0.326N	P=0.113N	P=0.255N	P=0.400	P=0.133N
COCH-ARM / FISHERS	P=0.025*	P=0.332N	P=0.109N	P=0.230N	P=0.424	P=0.127N
ORDER RESTRICTED	(e)	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	(e)

**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**

Aspartame

CAS Number: 22839-47-0

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Lab: CRC

Test Type: CHRONIC-LIFETIME

Route: DOSED FEED

Species/Strain: RATS/SD

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)**

**TERMINAL SACRIFICE AT 105 WEEKS**

---

**Males**

**DOSE**                      **0 PPM**

---

**Lung**  
**Lymphoma Lympho-immunoblastic**

---

**TUMOR RATES**

OVERALL (a)	19/150 (13%)
POLY-3 RATE (b)	19/104.25
POLY-3 PERCENT (g)	18.2%
TERMINAL (d)	2/33 (6%)
FIRST INCIDENCE	449

---

**STATISTICAL TESTS**

LIFE TABLE	P=0.005**
POLY 3	P=0.002**
POLY 1.5	P<0.001**
POLY 6	P=0.002**
LOGISTIC REGRESSION	P=0.002**
COCH-ARM / FISHERS	P<0.001**
ORDER RESTRICTED	P=0.002**
MAX-ISO-POLY-3	P=0.003**

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**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**

**Date Report Requested:** 01/28/2008

**Test Type:** CHRONIC-LIFETIME

Aspartame

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**Route:** DOSED FEED

**CAS Number:** 22839-47-0

**First Dose M/F:** 06/27/97 / 06/27/97

**Species/Strain:** RATS/SD

**Lab:** CRC

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males					
	100000 PPM	50000 PPM	10000 PPM	2000 PPM	400 PPM	80 PPM
<b>Lung</b>						
<b>Lymphoma Lymphoblastic</b>						
<b>TUMOR RATES</b>						
OVERALL (a)	0/100 (0%)	0/100 (0%)	0/100 (0%)	0/150 (0%)	0/149 (0%)	2/150 (1%)
POLY-3 RATE (b)	0/64.38	0/66.28	0/64.31	0/94.68	0/90.02	2/95.86
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	2.1%
TERMINAL (d)	0/27 (0%)	0/21 (0%)	0/21 (0%)	0/37 (0%)	0/34 (0%)	0/46 (0%)
FIRST INCIDENCE	---	---	---	---	---	698
<b>STATISTICAL TESTS</b>						
LIFE TABLE	(e)	(e)	(e)	(e)	(e)	P=0.280
POLY 3	(e)	(e)	(e)	(e)	(e)	P=0.234
POLY 1.5	(e)	(e)	(e)	(e)	(e)	P=0.235
POLY 6	(e)	(e)	(e)	(e)	(e)	P=0.237
LOGISTIC REGRESSION	(e)	(e)	(e)	(e)	(e)	P=0.249
COCH-ARM / FISHERS	(e)	(e)	(e)	(e)	(e)	P=0.249
ORDER RESTRICTED	(e)	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	(e)



P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Date Report Requested: 01/28/2008

Test Type: CHRONIC-LIFETIME

Aspartame

Time Report Requested: 17:57:48

Route: DOSED FEED

CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
TERMINAL SACRIFICE AT 105 WEEKS

Males

DOSE 0 PPM

Lung  
Lymphoma Lymphoblastic

TUMOR RATES

OVERALL (a)	0/150 (0%)
POLY-3 RATE (b)	0/97.86
POLY-3 PERCENT (g)	0%
TERMINAL (d)	0/33 (0%)
FIRST INCIDENCE	---

STATISTICAL TESTS

LIFE TABLE	P=0.395N
POLY 3	P=0.391N
POLY 1.5	P=0.397N
POLY 6	P=0.382N
LOGISTIC REGRESSION	P=0.391N
COCH-ARM / FISHERS	P=0.404N
ORDER RESTRICTED	P=0.274N
MAX-ISO-POLY-3	P=0.310N

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Date Report Requested: 01/28/2008

Test Type: CHRONIC-LIFETIME

Aspartame

Time Report Requested: 17:57:48

Route: DOSED FEED

CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
 TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Males					
	100000 PPM	50000 PPM	10000 PPM	2000 PPM	400 PPM	80 PPM

Lymph Node  
 Fibroangioma

TUMOR RATES	#	#	#	#	#	#
OVERALL (a)	0/100 (0%)	1/100 (1%)	2/100 (2%)	0/150 (0%)	1/150 (1%)	0/150 (0%)
POLY-3 RATE (b)	0/64.38	1/66.5	2/64.68	0/94.68	1/90.86	0/95.71
POLY-3 PERCENT (g)	0%	1.5%	3.1%	0%	1.1%	0%
TERMINAL (d)	0/27 (0%)	0/21 (0%)	1/21 (5%)	0/37 (0%)	0/34 (0%)	0/46 (0%)
FIRST INCIDENCE	---	670	624	---	483	---

STATISTICAL TESTS

LIFE TABLE	(e)	P=0.436	P=0.157	(e)	P=0.489	(e)
POLY 3	(e)	P=0.423	P=0.152	(e)	P=0.485	(e)
POLY 1.5	(e)	P=0.420	P=0.153	(e)	P=0.490	(e)
POLY 6	(e)	P=0.426	P=0.151	(e)	P=0.481	(e)
LOGISTIC REGRESSION	(e)	P=0.423	P=0.151	(e)	P=0.548	(e)
COCH-ARM / FISHERS	(e)	P=0.400	P=0.159	(e)	P=0.500	(e)
ORDER RESTRICTED	(e)	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	(e)

**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**

Aspartame

CAS Number: 22839-47-0

Date Report Requested: 01/28/2008

Time Report Requested: 17:57:48

First Dose M/F: 06/27/97 / 06/27/97

Lab: CRC

Test Type: CHRONIC-LIFETIME

Route: DOSED FEED

Species/Strain: RATS/SD

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)**

**TERMINAL SACRIFICE AT 105 WEEKS**

---

**Males**

**DOSE**                      **0 PPM**

---

**Lymph Node  
Fibroangioma**

---

**TUMOR RATES**

#

OVERALL (a)                      0/150 (0%)

POLY-3 RATE (b)                      0/97.86

POLY-3 PERCENT (g)                      0%

TERMINAL (d)                      0/33 (0%)

FIRST INCIDENCE                      ---

---

**STATISTICAL TESTS**

LIFE TABLE                      P=0.622N

POLY 3                      P=0.630N

POLY 1.5                      P=0.632N

POLY 6                      P=0.625N

LOGISTIC REGRESSION                      P=0.633N

COCH-ARM / FISHERS                      P=0.636N

ORDER RESTRICTED                      P=0.250

MAX-ISO-POLY-3                      P=0.286

---

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Date Report Requested: 01/28/2008

Test Type: CHRONIC-LIFETIME

Aspartame

Time Report Requested: 17:57:48

Route: DOSED FEED

CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
 TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Males					
	100000 PPM	50000 PPM	10000 PPM	2000 PPM	400 PPM	80 PPM

Lymph Node  
 Leukemia Lymphoblastic

TUMOR RATES	#	#	#	#	#	#
OVERALL (a)	0/100 (0%)	0/100 (0%)	1/100 (1%)	0/150 (0%)	0/150 (0%)	0/150 (0%)
POLY-3 RATE (b)	0/64.38	0/66.28	1/65.28	0/94.68	0/90.15	0/95.71
POLY-3 PERCENT (g)	0%	0%	1.5%	0%	0%	0%
TERMINAL (d)	0/27 (0%)	0/21 (0%)	0/21 (0%)	0/37 (0%)	0/34 (0%)	0/46 (0%)
FIRST INCIDENCE	---	---	218	---	---	---

STATISTICAL TESTS

LIFE TABLE	P=0.600N	P=0.582N	P=0.666	P=0.505N	P=0.510N	P=0.512N
POLY 3	P=0.585N	P=0.579N	P=0.667	P=0.508N	P=0.518N	P=0.506N
POLY 1.5	P=0.584N	P=0.581N	P=0.668	P=0.505N	P=0.512N	P=0.504N
POLY 6	P=0.583N	P=0.577N	P=0.664	P=0.510N	P=0.524N	P=0.504N
LOGISTIC REGRESSION	P=0.577N	P=0.564N	P=0.696	P=0.482N	P=0.462N	P=0.482N
COCH-ARM / FISHERS	P=0.600N	P=0.600N	P=0.641	P=0.500N	P=0.500N	P=0.500N
ORDER RESTRICTED	(e)	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	(e)

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Date Report Reqsted: 01/28/2008

Test Type: CHRONIC-LIFETIME

Aspartame

Time Report Reqsted: 17:57:48

Route: DOSED FEED

CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
TERMINAL SACRIFICE AT 105 WEEKS

Males

DOSE 0 PPM

Lymph Node  
Leukemia Lymphoblastic

TUMOR RATES	#
OVERALL (a)	1/150 (1%)
POLY-3 RATE (b)	1/98.53
POLY-3 PERCENT (g)	1%
TERMINAL (d)	0/33 (0%)
FIRST INCIDENCE	504

STATISTICAL TESTS

LIFE TABLE	P=0.491N
POLY 3	P=0.469N
POLY 1.5	P=0.477N
POLY 6	P=0.465N
LOGISTIC REGRESSION	P=0.530N
COCH-ARM / FISHERS	P=0.488N
ORDER RESTRICTED	P=0.283N
MAX-ISO-POLY-3	P=0.319N

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Date Report Requested: 01/28/2008

Test Type: CHRONIC-LIFETIME

Aspartame

Time Report Requested: 17:57:48

Route: DOSED FEED

CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
 TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Males					
	100000 PPM	50000 PPM	10000 PPM	2000 PPM	400 PPM	80 PPM
<b>Lymph Node</b>						
<b>Leukemia Monocytic</b>						
<b>TUMOR RATES</b>	#	#	#	#	#	#
OVERALL (a)	0/100 (0%)	1/100 (1%)	2/100 (2%)	7/150 (5%)	1/150 (1%)	2/150 (1%)
POLY-3 RATE (b)	0/64.38	1/66.28	2/65.08	7/97.08	1/90.5	2/95.71
POLY-3 PERCENT (g)	0%	1.5%	3.1%	7.2%	1.1%	2.1%
TERMINAL (d)	0/27 (0%)	1/21 (5%)	0/21 (0%)	3/37 (8%)	0/34 (0%)	2/46 (4%)
FIRST INCIDENCE	---	730 (T)	609	458	632	730 (T)

STATISTICAL TESTS

LIFE TABLE	(e)	P=0.410	P=0.167	P=0.012*	P=0.475	P=0.314
POLY 3	(e)	P=0.422	P=0.153	P=0.009**	P=0.484	P=0.233
POLY 1.5	(e)	P=0.420	P=0.154	P=0.010**	P=0.489	P=0.235
POLY 6	(e)	P=0.425	P=0.153	P=0.009**	P=0.480	P=0.237
LOGISTIC REGRESSION	(e)	P=0.410	P=0.155	P=0.011*	P=0.491	P=0.314
COCH-ARM / FISHERS	(e)	P=0.400	P=0.159	P=0.007**	P=0.500	P=0.249
ORDER RESTRICTED	(e)	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	(e)

**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**

Aspartame

CAS Number: 22839-47-0

Date Report Requested: 01/28/2008

Time Report Requested: 17:57:48

First Dose M/F: 06/27/97 / 06/27/97

Lab: CRC

Test Type: CHRONIC-LIFETIME

Route: DOSED FEED

Species/Strain: RATS/SD

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
TERMINAL SACRIFICE AT 105 WEEKS**

---

**Males**

**DOSE**                      **0 PPM**

---

**Lymph Node  
Leukemia Monocytic**

---

<b>TUMOR RATES</b>	#
OVERALL (a)	0/150 (0%)
POLY-3 RATE (b)	0/97.86
POLY-3 PERCENT (g)	0%
TERMINAL (d)	0/33 (0%)
FIRST INCIDENCE	---

---

**STATISTICAL TESTS**

LIFE TABLE	P=0.135N
POLY 3	P=0.127N
POLY 1.5	P=0.131N
POLY 6	P=0.119N
LOGISTIC REGRESSION	P=0.134N
COCH-ARM / FISHERS	P=0.139N
ORDER RESTRICTED	P=0.147
MAX-ISO-POLY-3	P=0.182

---

**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**

Date Report Requested: 01/28/2008

Test Type: CHRONIC-LIFETIME

Aspartame

Time Report Requested: 17:57:48

Route: DOSED FEED

CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males					
	100000 PPM	50000 PPM	10000 PPM	2000 PPM	400 PPM	80 PPM
<b>Lymph Node Leukemia Myeloid</b>						
<b>TUMOR RATES</b>	#	#	#	#	#	#
OVERALL (a)	1/100 (1%)	0/100 (0%)	1/100 (1%)	0/150 (0%)	0/150 (0%)	2/150 (1%)
POLY-3 RATE (b)	1/64.46	0/66.28	1/64.63	0/94.68	0/90.15	2/96.48
POLY-3 PERCENT (g)	1.6%	0%	1.6%	0%	0%	2.1%
TERMINAL (d)	0/27 (0%)	0/21 (0%)	0/21 (0%)	0/37 (0%)	0/34 (0%)	0/46 (0%)
FIRST INCIDENCE	710	---	641	---	---	589
<b>STATISTICAL TESTS</b>						
LIFE TABLE	P=0.690	P=0.581N	P=0.657	P=0.501N	P=0.503N	P=0.484
POLY 3	P=0.663	P=0.580N	P=0.663	P=0.508N	P=0.518N	P=0.492
POLY 1.5	P=0.664	P=0.581N	P=0.665	P=0.506N	P=0.512N	P=0.493
POLY 6	P=0.667	P=0.577N	P=0.661	P=0.510N	P=0.524N	P=0.499
LOGISTIC REGRESSION	P=0.674	P=0.497N	P=0.676	P=0.451N	P=0.380N	P=0.521
COCH-ARM / FISHERS	P=0.641	P=0.600N	P=0.641	P=0.500N	P=0.500N	P=0.500
ORDER RESTRICTED	(e)	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	(e)



**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**

Aspartame

CAS Number: 22839-47-0

Date Report Requested: 01/28/2008

Time Report Requested: 17:57:48

First Dose M/F: 06/27/97 / 06/27/97

Lab: CRC

Test Type: CHRONIC-LIFETIME

Route: DOSED FEED

Species/Strain: RATS/SD

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
TERMINAL SACRIFICE AT 105 WEEKS**

---

**Males**

**DOSE**                      **0 PPM**

---

**Lymph Node  
Leukemia Myeloid**

---

<b>TUMOR RATES</b>	#
OVERALL (a)	1/150 (1%)
POLY-3 RATE (b)	1/98.73
POLY-3 PERCENT (g)	1%
TERMINAL (d)	0/33 (0%)
FIRST INCIDENCE	368

---

**STATISTICAL TESTS**

LIFE TABLE	P=0.553
POLY 3	P=0.547
POLY 1.5	P=0.541
POLY 6	P=0.559
LOGISTIC REGRESSION	P=0.530
COCH-ARM / FISHERS	P=0.532
ORDER RESTRICTED	P=0.491N
MAX-ISO-POLY-3	P=0.514N

---

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Date Report Requested: 01/28/2008

Test Type: CHRONIC-LIFETIME

Aspartame

Time Report Requested: 17:57:48

Route: DOSED FEED

CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
 TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Males					
	100000 PPM	50000 PPM	10000 PPM	2000 PPM	400 PPM	80 PPM

Lymph Node  
 Lymphoma Lympho-immunoblastic

TUMOR RATES	#	#	#	#	#	#
OVERALL (a)	8/100 (8%)	11/100 (11%)	5/100 (5%)	7/150 (5%)	5/150 (3%)	2/150 (1%)
POLY-3 RATE (b)	8/67.01	11/68.57	5/64.65	7/95.52	5/90.89	2/95.97
POLY-3 PERCENT (g)	11.9%	16%	7.7%	7.3%	5.5%	2.1%
TERMINAL (d)	3/27 (11%)	4/21 (19%)	2/21 (10%)	2/37 (5%)	1/34 (3%)	0/46 (0%)
FIRST INCIDENCE	423	500	678	621	670	678

STATISTICAL TESTS

LIFE TABLE	P=0.100	P=0.018*	P=0.363	P=0.384	P=0.558	P=0.226N
POLY 3	P=0.084	P=0.014*	P=0.345	P=0.345	P=0.562	P=0.241N
POLY 1.5	P=0.086	P=0.014*	P=0.357	P=0.360	P=0.584	P=0.235N
POLY 6	P=0.089	P=0.014*	P=0.328	P=0.333	P=0.538	P=0.241N
LOGISTIC REGRESSION	P=0.094	P=0.015*	P=0.370	P=0.377	P=0.621	P=0.211N
COCH-ARM / FISHERS	P=0.092	P=0.016*	P=0.365	P=0.385	P=0.625N	P=0.224N
ORDER RESTRICTED	(e)	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	(e)

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Date Report Requested: 01/28/2008

Test Type: CHRONIC-LIFETIME

Aspartame

Time Report Requested: 17:57:48

Route: DOSED FEED

CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
TERMINAL SACRIFICE AT 105 WEEKS

Males

DOSE 0 PPM

Lymph Node  
Lymphoma Lympho-immunoblastic

TUMOR RATES	#
OVERALL (a)	5/150 (3%)
POLY-3 RATE (b)	5/100.93
POLY-3 PERCENT (g)	5%
TERMINAL (d)	0/33 (0%)
FIRST INCIDENCE	449

STATISTICAL TESTS

LIFE TABLE	P=0.004**
POLY 3	P=0.002**
POLY 1.5	P=0.002**
POLY 6	P=0.003**
LOGISTIC REGRESSION	P=0.002**
COCH-ARM / FISHERS	P=0.002**
ORDER RESTRICTED	P=0.009**
MAX-ISO-POLY-3	P=0.004**

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Date Report Requested: 01/28/2008

Test Type: CHRONIC-LIFETIME

Aspartame

Time Report Requested: 17:57:48

Route: DOSED FEED

CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
 TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Males					
	100000 PPM	50000 PPM	10000 PPM	2000 PPM	400 PPM	80 PPM

Lymph Node  
 Lymphoma Lymphoblastic

TUMOR RATES	#	#	#	#	#	#
OVERALL (a)	0/100 (0%)	0/100 (0%)	0/100 (0%)	0/150 (0%)	0/150 (0%)	2/150 (1%)
POLY-3 RATE (b)	0/64.38	0/66.28	0/64.31	0/94.68	0/90.15	2/96.02
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	2.1%
TERMINAL (d)	0/27 (0%)	0/21 (0%)	0/21 (0%)	0/37 (0%)	0/34 (0%)	0/46 (0%)
FIRST INCIDENCE	---	---	---	---	---	650

STATISTICAL TESTS

LIFE TABLE	(e)	(e)	(e)	(e)	(e)	P=0.262
POLY 3	(e)	(e)	(e)	(e)	(e)	P=0.234
POLY 1.5	(e)	(e)	(e)	(e)	(e)	P=0.235
POLY 6	(e)	(e)	(e)	(e)	(e)	P=0.238
LOGISTIC REGRESSION	(e)	(e)	(e)	(e)	(e)	P=0.238
COCH-ARM / FISHERS	(e)	(e)	(e)	(e)	(e)	P=0.249
ORDER RESTRICTED	(e)	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	(e)

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Date Report Requested: 01/28/2008

Test Type: CHRONIC-LIFETIME

Aspartame

Time Report Requested: 17:57:48

Route: DOSED FEED

CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
TERMINAL SACRIFICE AT 105 WEEKS

Males

DOSE 0 PPM

Lymph Node  
Lymphoma Lymphoblastic

TUMOR RATES	#
OVERALL (a)	0/150 (0%)
POLY-3 RATE (b)	0/97.86
POLY-3 PERCENT (g)	0%
TERMINAL (d)	0/33 (0%)
FIRST INCIDENCE	---

STATISTICAL TESTS

LIFE TABLE	P=0.399N
POLY 3	P=0.391N
POLY 1.5	P=0.397N
POLY 6	P=0.381N
LOGISTIC REGRESSION	P=0.395N
COCH-ARM / FISHERS	P=0.404N
ORDER RESTRICTED	P=0.274N
MAX-ISO-POLY-3	P=0.310N

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Date Report Requested: 01/28/2008

Test Type: CHRONIC-LIFETIME

Aspartame

Time Report Requested: 17:57:48

Route: DOSED FEED

CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
 TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Males					
	100000 PPM	50000 PPM	10000 PPM	2000 PPM	400 PPM	80 PPM

Lymph Node  
 Lymphoma Lymphocytic

TUMOR RATES	#	#	#	#	#	#
OVERALL (a)	0/100 (0%)	0/100 (0%)	0/100 (0%)	1/150 (1%)	0/150 (0%)	0/150 (0%)
POLY-3 RATE (b)	0/64.38	0/66.28	0/64.31	1/95.28	0/90.15	0/95.71
POLY-3 PERCENT (g)	0%	0%	0%	1.1%	0%	0%
TERMINAL (d)	0/27 (0%)	0/21 (0%)	0/21 (0%)	0/37 (0%)	0/34 (0%)	0/46 (0%)
FIRST INCIDENCE	---	---	---	534	---	---

STATISTICAL TESTS

LIFE TABLE	(e)	(e)	(e)	P=0.488	(e)	(e)
POLY 3	(e)	(e)	(e)	P=0.495	(e)	(e)
POLY 1.5	(e)	(e)	(e)	P=0.496	(e)	(e)
POLY 6	(e)	(e)	(e)	P=0.495	(e)	(e)
LOGISTIC REGRESSION	(e)	(e)	(e)	P=0.512	(e)	(e)
COCH-ARM / FISHERS	(e)	(e)	(e)	P=0.500	(e)	(e)
ORDER RESTRICTED	(e)	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	(e)

**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**

Aspartame

CAS Number: 22839-47-0

Date Report Requested: 01/28/2008

Time Report Requested: 17:57:48

First Dose M/F: 06/27/97 / 06/27/97

Lab: CRC

Test Type: CHRONIC-LIFETIME

Route: DOSED FEED

Species/Strain: RATS/SD

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)**

**TERMINAL SACRIFICE AT 105 WEEKS**

---

**Males**

**DOSE**                      **0 PPM**

---

**Lymph Node**  
**Lymphoma Lymphocytic**

---

<b>TUMOR RATES</b>	#
OVERALL (a)	0/150 (0%)
POLY-3 RATE (b)	0/97.86
POLY-3 PERCENT (g)	0%
TERMINAL (d)	0/33 (0%)
FIRST INCIDENCE	---

---

**STATISTICAL TESTS**

LIFE TABLE	P=0.610N
POLY 3	P=0.596N
POLY 1.5	P=0.600N
POLY 6	P=0.594N
LOGISTIC REGRESSION	P=0.613N
COCH-ARM / FISHERS	P=0.606N
ORDER RESTRICTED	P=0.588
MAX-ISO-POLY-3	P=0.600

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**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**

**Date Report Requested:** 01/28/2008

**Test Type:** CHRONIC-LIFETIME

Aspartame

**Time Report Requested:** 17:57:48

**Route:** DOSED FEED

**CAS Number:** 22839-47-0

**First Dose M/F:** 06/27/97 / 06/27/97

**Species/Strain:** RATS/SD

**Lab:** CRC

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males					
	100000 PPM	50000 PPM	10000 PPM	2000 PPM	400 PPM	80 PPM
<b>Mammary Gland Adenoma</b>						
<b>TUMOR RATES</b>	#	#	#	#	#	#
OVERALL (a)	1/100 (1%)	0/100 (0%)	0/100 (0%)	0/150 (0%)	1/150 (1%)	0/150 (0%)
POLY-3 RATE (b)	1/64.55	0/66.28	0/64.31	0/94.68	1/90.16	0/95.71
POLY-3 PERCENT (g)	1.6%	0%	0%	0%	1.1%	0%
TERMINAL (d)	0/27 (0%)	0/21 (0%)	0/21 (0%)	0/37 (0%)	0/34 (0%)	0/46 (0%)
FIRST INCIDENCE	687	---	---	---	727	---
<b>STATISTICAL TESTS</b>						
LIFE TABLE	P=0.444	(e)	(e)	(e)	P=0.511	(e)
POLY 3	P=0.417	(e)	(e)	(e)	P=0.484	(e)
POLY 1.5	P=0.417	(e)	(e)	(e)	P=0.489	(e)
POLY 6	P=0.421	(e)	(e)	(e)	P=0.478	(e)
LOGISTIC REGRESSION	P=0.420	(e)	(e)	(e)	P=0.487	(e)
COCH-ARM / FISHERS	P=0.400	(e)	(e)	(e)	P=0.500	(e)
ORDER RESTRICTED	(e)	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	(e)



**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**

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First Dose M/F: 06/27/97 / 06/27/97

Lab: CRC

Test Type: CHRONIC-LIFETIME

Route: DOSED FEED

Species/Strain: RATS/SD

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
TERMINAL SACRIFICE AT 105 WEEKS**

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**Males**

**DOSE**                      **0 PPM**

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**Mammary Gland  
Adenoma**

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<b>TUMOR RATES</b>	#
OVERALL (a)	0/150 (0%)
POLY-3 RATE (b)	0/97.86
POLY-3 PERCENT (g)	0%
TERMINAL (d)	0/33 (0%)
FIRST INCIDENCE	---

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**STATISTICAL TESTS**

LIFE TABLE	P=0.219
POLY 3	P=0.197
POLY 1.5	P=0.198
POLY 6	P=0.198
LOGISTIC REGRESSION	P=0.215
COCH-ARM / FISHERS	P=0.199
ORDER RESTRICTED	P=0.099
MAX-ISO-POLY-3	P=0.129

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Aspartame

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CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
 TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Males					
	100000 PPM	50000 PPM	10000 PPM	2000 PPM	400 PPM	80 PPM
<b>Mammary Gland Carcinoma</b>						
<b>TUMOR RATES</b>	#	#	#	#	#	#
OVERALL (a)	1/100 (1%)	0/100 (0%)	1/100 (1%)	1/150 (1%)	2/150 (1%)	1/150 (1%)
POLY-3 RATE (b)	1/64.38	0/66.28	1/64.31	1/94.8	2/90.59	1/96.14
POLY-3 PERCENT (g)	1.6%	0%	1.6%	1.1%	2.2%	1%
TERMINAL (d)	1/27 (4%)	0/21 (0%)	1/21 (5%)	0/37 (0%)	1/34 (3%)	0/46 (0%)
FIRST INCIDENCE	730 (T)	---	730 (T)	699	601	605
<b>STATISTICAL TESTS</b>						
LIFE TABLE	P=0.460	(e)	P=0.410	P=0.496	P=0.231	P=0.488
POLY 3	P=0.416	(e)	P=0.416	P=0.494	P=0.222	P=0.496
POLY 1.5	P=0.417	(e)	P=0.417	P=0.496	P=0.227	P=0.497
POLY 6	P=0.420	(e)	P=0.414	P=0.493	P=0.217	P=0.500
LOGISTIC REGRESSION	P=0.460	(e)	P=0.410	P=0.493	P=0.220	P=0.501
COCH-ARM / FISHERS	P=0.400	(e)	P=0.400	P=0.500	P=0.249	P=0.500
ORDER RESTRICTED	(e)	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	(e)

**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**

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First Dose M/F: 06/27/97 / 06/27/97

Lab: CRC

Test Type: CHRONIC-LIFETIME

Route: DOSED FEED

Species/Strain: RATS/SD

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)**

**TERMINAL SACRIFICE AT 105 WEEKS**

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**Males**

**DOSE**                      **0 PPM**

---

**Mammary Gland  
Carcinoma**

---

<b>TUMOR RATES</b>	#
OVERALL (a)	0/150 (0%)
POLY-3 RATE (b)	0/97.86
POLY-3 PERCENT (g)	0%
TERMINAL (d)	0/33 (0%)
FIRST INCIDENCE	---

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**STATISTICAL TESTS**

LIFE TABLE	P=0.617N
POLY 3	P=0.608
POLY 1.5	P=0.606
POLY 6	P=0.613
LOGISTIC REGRESSION	P=0.620
COCH-ARM / FISHERS	P=0.605
ORDER RESTRICTED	P=0.343
MAX-ISO-POLY-3	P=0.373

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P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Date Report Requested: 01/28/2008

Test Type: CHRONIC-LIFETIME

Aspartame

Time Report Requested: 17:57:48

Route: DOSED FEED

CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
 TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Males					
	100000 PPM	50000 PPM	10000 PPM	2000 PPM	400 PPM	80 PPM

Mammary Gland  
 Carcinoma or Adenoma

TUMOR RATES	#	#	#	#	#	#
OVERALL (a)	2/100 (2%)	0/100 (0%)	1/100 (1%)	1/150 (1%)	3/150 (2%)	1/150 (1%)
POLY-3 RATE (b)	2/64.55	0/66.28	1/64.31	1/94.8	3/90.6	1/96.14
POLY-3 PERCENT (g)	3.1%	0%	1.6%	1.1%	3.3%	1%
TERMINAL (d)	1/27 (4%)	0/21 (0%)	1/21 (5%)	0/37 (0%)	1/34 (3%)	0/46 (0%)
FIRST INCIDENCE	687	---	730 (T)	699	601	605

STATISTICAL TESTS

LIFE TABLE	P=0.189	(e)	P=0.410	P=0.496	P=0.123	P=0.488
POLY 3	P=0.152	(e)	P=0.416	P=0.494	P=0.108	P=0.496
POLY 1.5	P=0.153	(e)	P=0.417	P=0.496	P=0.113	P=0.497
POLY 6	P=0.155	(e)	P=0.414	P=0.493	P=0.104	P=0.500
LOGISTIC REGRESSION	P=0.163	(e)	P=0.410	P=0.493	P=0.104	P=0.501
COCH-ARM / FISHERS	P=0.159	(e)	P=0.400	P=0.500	P=0.124	P=0.500
ORDER RESTRICTED	(e)	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	(e)

**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**

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Time Report Requested: 17:57:48

First Dose M/F: 06/27/97 / 06/27/97

Lab: CRC

Test Type: CHRONIC-LIFETIME

Route: DOSED FEED

Species/Strain: RATS/SD

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)**

**TERMINAL SACRIFICE AT 105 WEEKS**

---

**Males**

**DOSE**                      **0 PPM**

---

**Mammary Gland  
Carcinoma or Adenoma**

---

<b>TUMOR RATES</b>	#
OVERALL (a)	0/150 (0%)
POLY-3 RATE (b)	0/97.86
POLY-3 PERCENT (g)	0%
TERMINAL (d)	0/33 (0%)
FIRST INCIDENCE	---

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**STATISTICAL TESTS**

LIFE TABLE	P=0.351
POLY 3	P=0.324
POLY 1.5	P=0.322
POLY 6	P=0.328
LOGISTIC REGRESSION	P=0.343
COCH-ARM / FISHERS	P=0.321
ORDER RESTRICTED	P=0.096
MAX-ISO-POLY-3	P=0.126

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Aspartame

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Route: DOSED FEED

CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
 TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Males					
	100000 PPM	50000 PPM	10000 PPM	2000 PPM	400 PPM	80 PPM
<b>Mammary Gland Fibroadenoma</b>						
<b>TUMOR RATES</b>	#	#	#	#	#	#
OVERALL (a)	2/100 (2%)	6/100 (6%)	3/100 (3%)	2/150 (1%)	6/150 (4%)	1/150 (1%)
POLY-3 RATE (b)	2/64.53	6/68.77	3/64.82	2/94.97	6/92.21	1/95.71
POLY-3 PERCENT (g)	3.1%	8.7%	4.6%	2.1%	6.5%	1%
TERMINAL (d)	1/27 (4%)	0/21 (0%)	1/21 (5%)	1/37 (3%)	2/34 (6%)	1/46 (2%)
FIRST INCIDENCE	691	495	617	650	451	730 (T)
<b>STATISTICAL TESTS</b>						
LIFE TABLE	P=0.366N	P=0.262	P=0.597N	P=0.215N	P=0.468	P=0.081N
POLY 3	P=0.421N	P=0.260	P=0.601N	P=0.239N	P=0.448	P=0.115N
POLY 1.5	P=0.416N	P=0.250	P=0.595N	P=0.233N	P=0.464	P=0.113N
POLY 6	P=0.417N	P=0.277	P=0.611N	P=0.244N	P=0.434	P=0.113N
LOGISTIC REGRESSION	P=0.412N	P=0.244	P=0.593N	P=0.231N	P=0.478	P=0.111N
COCH-ARM / FISHERS	P=0.418N	P=0.242	P=0.595N	P=0.224N	P=0.500	P=0.107N
ORDER RESTRICTED	(e)	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	(e)

**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**

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First Dose M/F: 06/27/97 / 06/27/97

Lab: CRC

Test Type: CHRONIC-LIFETIME

Route: DOSED FEED

Species/Strain: RATS/SD

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
TERMINAL SACRIFICE AT 105 WEEKS**

---

**Males**

**DOSE**                      **0 PPM**

---

**Mammary Gland  
Fibroadenoma**

---

<b>TUMOR RATES</b>	<b>#</b>
OVERALL (a)	5/150 (3%)
POLY-3 RATE (b)	5/99.51
POLY-3 PERCENT (g)	5%
TERMINAL (d)	2/33 (6%)
FIRST INCIDENCE	519

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**STATISTICAL TESTS**

LIFE TABLE	P=0.399
POLY 3	P=0.366
POLY 1.5	P=0.365
POLY 6	P=0.376
LOGISTIC REGRESSION	P=0.376
COCH-ARM / FISHERS	P=0.363
ORDER RESTRICTED	P=0.366
MAX-ISO-POLY-3	P=0.397

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CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
 TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Males					
	100000 PPM	50000 PPM	10000 PPM	2000 PPM	400 PPM	80 PPM
<b>Mammary Gland Fibrolipoma</b>						
<b>TUMOR RATES</b>	#	#	#	#	#	#
OVERALL (a)	1/100 (1%)	0/100 (0%)	0/100 (0%)	1/150 (1%)	0/150 (0%)	0/150 (0%)
POLY-3 RATE (b)	1/64.59	0/66.28	0/64.31	1/94.68	0/90.15	0/95.71
POLY-3 PERCENT (g)	1.6%	0%	0%	1.1%	0%	0%
TERMINAL (d)	0/27 (0%)	0/21 (0%)	0/21 (0%)	1/37 (3%)	0/34 (0%)	0/46 (0%)
FIRST INCIDENCE	675	---	---	730 (T)	---	---
<b>STATISTICAL TESTS</b>						
LIFE TABLE	P=0.402N	P=0.209N	P=0.222N	P=0.280N	P=0.126N	P=0.081N
POLY 3	P=0.463N	P=0.198N	P=0.206N	P=0.319N	P=0.137N	P=0.126N
POLY 1.5	P=0.463N	P=0.202N	P=0.205N	P=0.315N	P=0.132N	P=0.125N
POLY 6	P=0.455N	P=0.194N	P=0.208N	P=0.320N	P=0.142N	P=0.122N
LOGISTIC REGRESSION	P=0.438N	P=0.199N	P=0.215N	P=0.307N	P=0.139N	P=0.101N
COCH-ARM / FISHERS	P=0.475N	P=0.214N	P=0.214N	P=0.311N	P=0.124N	P=0.124N
ORDER RESTRICTED	(e)	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	(e)



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TERMINAL SACRIFICE AT 105 WEEKS**

---

**Males**

**DOSE**                      **0 PPM**

---

**Mammary Gland  
Fibrolipoma**

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<b>TUMOR RATES</b>	#
OVERALL (a)	3/150 (2%)
POLY-3 RATE (b)	3/97.96
POLY-3 PERCENT (g)	3.1%
TERMINAL (d)	2/33 (6%)
FIRST INCIDENCE	704

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**STATISTICAL TESTS**

LIFE TABLE	P=0.592
POLY 3	P=0.595
POLY 1.5	P=0.588
POLY 6	P=0.604
LOGISTIC REGRESSION	P=0.600
COCH-ARM / FISHERS	P=0.576
ORDER RESTRICTED	P=0.072N
MAX-ISO-POLY-3	P=0.099N

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STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
 TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Males					
	100000 PPM	50000 PPM	10000 PPM	2000 PPM	400 PPM	80 PPM
<b>Mammary Gland Fibroma</b>						
<b>TUMOR RATES</b>	#	#	#	#	#	#
OVERALL (a)	1/100 (1%)	1/100 (1%)	1/100 (1%)	2/150 (1%)	2/150 (1%)	1/150 (1%)
POLY-3 RATE (b)	1/64.66	1/66.89	1/64.31	2/94.68	2/90.8	1/95.71
POLY-3 PERCENT (g)	1.6%	1.5%	1.6%	2.1%	2.2%	1%
TERMINAL (d)	0/27 (0%)	0/21 (0%)	1/21 (5%)	2/37 (5%)	1/34 (3%)	1/46 (2%)
FIRST INCIDENCE	655	533	730 (T)	730 (T)	514	730 (T)
<b>STATISTICAL TESTS</b>						
LIFE TABLE	P=0.692	P=0.658	P=0.658	P=0.540	P=0.502	P=0.686N
POLY 3	P=0.666	P=0.674	P=0.664	P=0.489	P=0.474	P=0.756
POLY 1.5	P=0.666	P=0.670	P=0.666	P=0.492	P=0.482	P=0.756
POLY 6	P=0.672	P=0.680	P=0.662	P=0.487	P=0.467	P=0.760
LOGISTIC REGRESSION	P=0.672	P=0.669	P=0.658	P=0.540	P=0.473	P=0.686N
COCH-ARM / FISHERS	P=0.641	P=0.641	P=0.641	P=0.500	P=0.500	P=0.751N
ORDER RESTRICTED	(e)	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	(e)



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Species/Strain: RATS/SD

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STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
 TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Males					
	100000 PPM	50000 PPM	10000 PPM	2000 PPM	400 PPM	80 PPM
<b>Mammary Gland</b>						
<b>Fibroma, Fibroadenoma or Adenoma</b>						
<b>TUMOR RATES</b>	#	#	#	#	#	#
OVERALL (a)	4/100 (4%)	7/100 (7%)	4/100 (4%)	4/150 (3%)	9/150 (6%)	2/150 (1%)
POLY-3 RATE (b)	4/64.98	7/69.38	4/64.82	4/94.97	9/92.87	2/95.71
POLY-3 PERCENT (g)	6.2%	10.1%	6.2%	4.2%	9.7%	2.1%
TERMINAL (d)	1/27 (4%)	0/21 (0%)	2/21 (10%)	3/37 (8%)	3/34 (9%)	2/46 (4%)
FIRST INCIDENCE	655	495	617	650	451	730 (T)
<b>STATISTICAL TESTS</b>						
LIFE TABLE	P=0.571N	P=0.238	P=0.615	P=0.343N	P=0.279	P=0.089N
POLY 3	P=0.618	P=0.246	P=0.617	P=0.401N	P=0.248	P=0.151N
POLY 1.5	P=0.620	P=0.233	P=0.622	P=0.391N	P=0.263	P=0.148N
POLY 6	P=0.628	P=0.267	P=0.608	P=0.410N	P=0.235	P=0.149N
LOGISTIC REGRESSION	P=0.625	P=0.225	P=0.620	P=0.394N	P=0.262	P=0.146N
COCH-ARM / FISHERS	P=0.621	P=0.223	P=0.621	P=0.375N	P=0.299	P=0.141N
ORDER RESTRICTED	(e)	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	(e)



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STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
 TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Males					
	100000 PPM	50000 PPM	10000 PPM	2000 PPM	400 PPM	80 PPM

Mammary Gland  
 Fibroma, Fibroadenoma, Carcinoma, or Adenoma

TUMOR RATES	#	#	#	#	#	#
OVERALL (a)	5/100 (5%)	7/100 (7%)	4/100 (4%)	5/150 (3%)	11/150 (7%)	3/150 (2%)
POLY-3 RATE (b)	5/64.98	7/69.38	4/64.82	5/95.09	11/93.32	3/96.14
POLY-3 PERCENT (g)	7.7%	10.1%	6.2%	5.3%	11.8%	3.1%
TERMINAL (d)	2/27 (7%)	0/21 (0%)	2/21 (10%)	3/37 (8%)	4/34 (12%)	2/46 (4%)
FIRST INCIDENCE	655	495	617	650	451	605

STATISTICAL TESTS

LIFE TABLE	P=0.543	P=0.238	P=0.615	P=0.471N	P=0.146	P=0.180N
POLY 3	P=0.461	P=0.246	P=0.617	P=0.531N	P=0.122	P=0.264N
POLY 1.5	P=0.464	P=0.233	P=0.622	P=0.520N	P=0.133	P=0.260N
POLY 6	P=0.470	P=0.267	P=0.608	P=0.540N	P=0.113	P=0.259N
LOGISTIC REGRESSION	P=0.470	P=0.225	P=0.620	P=0.523N	P=0.130	P=0.257N
COCH-ARM / FISHERS	P=0.467	P=0.223	P=0.621	P=0.500N	P=0.159	P=0.251N
ORDER RESTRICTED	(e)	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	(e)



P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Date Report Requested: 01/28/2008

Test Type: CHRONIC-LIFETIME

Aspartame

Time Report Requested: 17:57:48

Route: DOSED FEED

CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
 TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Males					
	100000 PPM	50000 PPM	10000 PPM	2000 PPM	400 PPM	80 PPM

Mammary Gland  
 Leukemia Monocytic

TUMOR RATES	#	#	#	#	#	#
OVERALL (a)	0/100 (0%)	0/100 (0%)	0/100 (0%)	0/150 (0%)	0/150 (0%)	1/150 (1%)
POLY-3 RATE (b)	0/64.38	0/66.28	0/64.31	0/94.68	0/90.15	1/95.71
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	1%
TERMINAL (d)	0/27 (0%)	0/21 (0%)	0/21 (0%)	0/37 (0%)	0/34 (0%)	1/46 (2%)
FIRST INCIDENCE	---	---	---	---	---	730 (T)

STATISTICAL TESTS

LIFE TABLE	(e)	(e)	(e)	(e)	(e)	P=0.566
POLY 3	(e)	(e)	(e)	(e)	(e)	P=0.496
POLY 1.5	(e)	(e)	(e)	(e)	(e)	P=0.496
POLY 6	(e)	(e)	(e)	(e)	(e)	P=0.499
LOGISTIC REGRESSION	(e)	(e)	(e)	(e)	(e)	P=0.566
COCH-ARM / FISHERS	(e)	(e)	(e)	(e)	(e)	P=0.500
ORDER RESTRICTED	(e)	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	(e)



**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**

**Test Type:** CHRONIC-LIFETIME  
**Route:** DOSED FEED  
**Species/Strain:** RATS/SD

Aspartame  
**CAS Number:** 22839-47-0

**Date Report Requested:** 01/28/2008  
**Time Report Requested:** 17:57:48  
**First Dose M/F:** 06/27/97 / 06/27/97  
**Lab:** CRC

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
TERMINAL SACRIFICE AT 105 WEEKS**

---

**Males**

**DOSE**                      **0 PPM**

---

**Mammary Gland  
Leukemia Monocytic**

---

<b>TUMOR RATES</b>	#
OVERALL (a)	0/150 (0%)
POLY-3 RATE (b)	0/97.86
POLY-3 PERCENT (g)	0%
TERMINAL (d)	0/33 (0%)
FIRST INCIDENCE	---

---

**STATISTICAL TESTS**

LIFE TABLE	P=0.577N
POLY 3	P=0.572N
POLY 1.5	P=0.578N
POLY 6	P=0.567N
LOGISTIC REGRESSION	(e)
COCH-ARM / FISHERS	P=0.583N
ORDER RESTRICTED	P=0.438N
MAX-ISO-POLY-3	P=0.463N

---

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Date Report Requested: 01/28/2008

Test Type: CHRONIC-LIFETIME

Aspartame

Time Report Requested: 17:57:48

Route: DOSED FEED

CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
 TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Males					
	100000 PPM	50000 PPM	10000 PPM	2000 PPM	400 PPM	80 PPM

Mammary Gland  
 Lymphoma Malignant Lymphocytic

TUMOR RATES	#	#	#	#	#	#
OVERALL (a)	0/100 (0%)	0/100 (0%)	0/100 (0%)	1/150 (1%)	0/150 (0%)	0/150 (0%)
POLY-3 RATE (b)	0/64.38	0/66.28	0/64.31	1/94.9	0/90.15	0/95.71
POLY-3 PERCENT (g)	0%	0%	0%	1.1%	0%	0%
TERMINAL (d)	0/27 (0%)	0/21 (0%)	0/21 (0%)	0/37 (0%)	0/34 (0%)	0/46 (0%)
FIRST INCIDENCE	---	---	---	671	---	---

STATISTICAL TESTS

LIFE TABLE	(e)	(e)	(e)	P=0.500	(e)	(e)
POLY 3	(e)	(e)	(e)	P=0.494	(e)	(e)
POLY 1.5	(e)	(e)	(e)	P=0.496	(e)	(e)
POLY 6	(e)	(e)	(e)	P=0.494	(e)	(e)
LOGISTIC REGRESSION	(e)	(e)	(e)	P=0.493	(e)	(e)
COCH-ARM / FISHERS	(e)	(e)	(e)	P=0.500	(e)	(e)
ORDER RESTRICTED	(e)	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	(e)



P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Date Report Requested: 01/28/2008

Test Type: CHRONIC-LIFETIME

Aspartame

Time Report Requested: 17:57:48

Route: DOSED FEED

CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
 TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Males					
	100000 PPM	50000 PPM	10000 PPM	2000 PPM	400 PPM	80 PPM
<b>Mammary Gland Neoplasm NOS</b>						
<b>TUMOR RATES</b>	#	#	#	#	#	#
OVERALL (a)	0/100 (0%)	0/100 (0%)	0/100 (0%)	0/150 (0%)	0/150 (0%)	0/150 (0%)
POLY-3 RATE (b)	0/64.38	0/66.28	0/64.31	0/94.68	0/90.15	0/95.71
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	0%
TERMINAL (d)	0/27 (0%)	0/21 (0%)	0/21 (0%)	0/37 (0%)	0/34 (0%)	0/46 (0%)
FIRST INCIDENCE	---	---	---	---	---	---
<b>STATISTICAL TESTS</b>						
LIFE TABLE	(e)	(e)	(e)	(e)	(e)	(e)
POLY 3	(e)	(e)	(e)	(e)	(e)	(e)
POLY 1.5	(e)	(e)	(e)	(e)	(e)	(e)
POLY 6	(e)	(e)	(e)	(e)	(e)	(e)
LOGISTIC REGRESSION	(e)	(e)	(e)	(e)	(e)	(e)
COCH-ARM / FISHERS	(e)	(e)	(e)	(e)	(e)	(e)
ORDER RESTRICTED	(e)	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	(e)



P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Date Report Requested: 01/28/2008

Test Type: CHRONIC-LIFETIME

Aspartame

Time Report Requested: 17:57:48

Route: DOSED FEED

CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
 TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Males					
	100000 PPM	50000 PPM	10000 PPM	2000 PPM	400 PPM	80 PPM
<b>Nose Adenoma</b>						
<b>TUMOR RATES</b>						
OVERALL (a)	0/100 (0%)	1/100 (1%)	2/100 (2%)	1/149 (1%)	0/150 (0%)	1/150 (1%)
POLY-3 RATE (b)	0/64.38	1/66.44	2/65.38	1/95.26	0/90.15	1/95.98
POLY-3 PERCENT (g)	0%	1.5%	3.1%	1.1%	0%	1%
TERMINAL (d)	0/27 (0%)	0/21 (0%)	0/21 (0%)	0/37 (0%)	0/34 (0%)	0/46 (0%)
FIRST INCIDENCE	---	687	514	522	---	656
<b>STATISTICAL TESTS</b>						
LIFE TABLE	(e)	P=0.444	P=0.161	P=0.492	(e)	P=0.488
POLY 3	(e)	P=0.422	P=0.154	P=0.495	(e)	P=0.496
POLY 1.5	(e)	P=0.420	P=0.154	P=0.496	(e)	P=0.497
POLY 6	(e)	P=0.426	P=0.154	P=0.495	(e)	P=0.500
LOGISTIC REGRESSION	(e)	P=0.425	P=0.157	P=0.509	(e)	P=0.497
COCH-ARM / FISHERS	(e)	P=0.400	P=0.159	P=0.498	(e)	P=0.500
ORDER RESTRICTED	(e)	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	(e)

**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**

Aspartame

CAS Number: 22839-47-0

Date Report Requested: 01/28/2008

Time Report Requested: 17:57:48

First Dose M/F: 06/27/97 / 06/27/97

Lab: CRC

Test Type: CHRONIC-LIFETIME

Route: DOSED FEED

Species/Strain: RATS/SD

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)**

**TERMINAL SACRIFICE AT 105 WEEKS**

---

**Males**

**DOSE**                      **0 PPM**

---

**Nose  
Adenoma**

---

**TUMOR RATES**

OVERALL (a)	0/150 (0%)
POLY-3 RATE (b)	0/97.86
POLY-3 PERCENT (g)	0%
TERMINAL (d)	0/33 (0%)
FIRST INCIDENCE	---

---

**STATISTICAL TESTS**

LIFE TABLE	P=0.518N
POLY 3	P=0.520N
POLY 1.5	P=0.525N
POLY 6	P=0.510N
LOGISTIC REGRESSION	P=0.534N
COCH-ARM / FISHERS	P=0.533N
ORDER RESTRICTED	P=0.306
MAX-ISO-POLY-3	P=0.340

---

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Date Report Requested: 01/28/2008

Test Type: CHRONIC-LIFETIME

Aspartame

Time Report Requested: 17:57:48

Route: DOSED FEED

CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
 TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Males					
	100000 PPM	50000 PPM	10000 PPM	2000 PPM	400 PPM	80 PPM

Oral Cavity (Oral Mucosa, Tongue, Pharynx, Tooth, Gingiva)  
 Papilloma Squamous or Papilloma

TUMOR RATES	#	#	#	#	#	#
OVERALL (a)	0/100 (0%)	1/100 (1%)	1/100 (1%)	1/150 (1%)	0/150 (0%)	0/150 (0%)
POLY-3 RATE (b)	0/64.38	1/66.75	1/64.94	1/94.68	0/90.15	0/95.71
POLY-3 PERCENT (g)	0%	1.5%	1.5%	1.1%	0%	0%
TERMINAL (d)	0/27 (0%)	0/21 (0%)	0/21 (0%)	1/37 (3%)	0/34 (0%)	0/46 (0%)
FIRST INCIDENCE	---	589	523	730 (T)	---	---

STATISTICAL TESTS

LIFE TABLE	(e)	P=0.435	P=0.409	P=0.523	(e)	(e)
POLY 3	(e)	P=0.423	P=0.418	P=0.493	(e)	(e)
POLY 1.5	(e)	P=0.420	P=0.418	P=0.496	(e)	(e)
POLY 6	(e)	P=0.428	P=0.417	P=0.492	(e)	(e)
LOGISTIC REGRESSION	(e)	P=0.420	P=0.424	P=0.523	(e)	(e)
COCH-ARM / FISHERS	(e)	P=0.400	P=0.400	P=0.500	(e)	(e)
ORDER RESTRICTED	(e)	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	(e)



**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**

**Test Type:** CHRONIC-LIFETIME  
**Route:** DOSED FEED  
**Species/Strain:** RATS/SD

Aspartame  
**CAS Number:** 22839-47-0

**Date Report Requested:** 01/28/2008  
**Time Report Requested:** 17:57:48  
**First Dose M/F:** 06/27/97 / 06/27/97  
**Lab:** CRC

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
TERMINAL SACRIFICE AT 105 WEEKS**

---

**Males**

**DOSE**                      **0 PPM**

---

**Oral Cavity (Oral Mucosa, Tongue, Pharynx, Tooth, Gingiva)  
Papilloma Squamous or Papilloma**

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<b>TUMOR RATES</b>	#
OVERALL (a)	0/150 (0%)
POLY-3 RATE (b)	0/97.86
POLY-3 PERCENT (g)	0%
TERMINAL (d)	0/33 (0%)
FIRST INCIDENCE	---

---

**STATISTICAL TESTS**

LIFE TABLE	P=0.627
POLY 3	P=0.623
POLY 1.5	P=0.624
POLY 6	P=0.630
LOGISTIC REGRESSION	P=0.623
COCH-ARM / FISHERS	P=0.622
ORDER RESTRICTED	P=0.373
MAX-ISO-POLY-3	P=0.402

---

**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**

**Date Report Requested:** 01/28/2008

**Test Type:** CHRONIC-LIFETIME

Aspartame

**Time Report Requested:** 17:57:48

**Route:** DOSED FEED

**CAS Number:** 22839-47-0

**First Dose M/F:** 06/27/97 / 06/27/97

**Species/Strain:** RATS/SD

**Lab:** CRC

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males					
	100000 PPM	50000 PPM	10000 PPM	2000 PPM	400 PPM	80 PPM

**Oral Cavity (Oral Mucosa, Tongue, Pharynx, Tooth, Gingiva)  
Squamous Cell Carcinoma**

TUMOR RATES	#	#	#	#	#	#
OVERALL (a)	1/100 (1%)	0/100 (0%)	0/100 (0%)	0/150 (0%)	2/150 (1%)	0/150 (0%)
POLY-3 RATE (b)	1/64.38	0/66.28	0/64.31	0/94.68	2/90.61	0/95.71
POLY-3 PERCENT (g)	1.6%	0%	0%	0%	2.2%	0%
TERMINAL (d)	1/27 (4%)	0/21 (0%)	0/21 (0%)	0/37 (0%)	0/34 (0%)	0/46 (0%)
FIRST INCIDENCE	730 (T)	---	---	---	655	---

**STATISTICAL TESTS**

LIFE TABLE	P=0.460	(e)	(e)	(e)	P=0.204	(e)
POLY 3	P=0.416	(e)	(e)	(e)	P=0.222	(e)
POLY 1.5	P=0.417	(e)	(e)	(e)	P=0.227	(e)
POLY 6	P=0.420	(e)	(e)	(e)	P=0.217	(e)
LOGISTIC REGRESSION	P=0.460	(e)	(e)	(e)	P=0.219	(e)
COCH-ARM / FISHERS	P=0.400	(e)	(e)	(e)	P=0.249	(e)
ORDER RESTRICTED	(e)	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	(e)

Test Type: CHRONIC-LIFETIME

Aspartame

Time Report Requested: 17:57:48

Route: DOSED FEED

CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
 TERMINAL SACRIFICE AT 105 WEEKS

Males

DOSE 0 PPM

Oral Cavity (Oral Mucosa, Tongue, Pharynx, Tooth, Gingiva)  
 Squamous Cell Carcinoma

TUMOR RATES	#
OVERALL (a)	0/150 (0%)
POLY-3 RATE (b)	0/97.86
POLY-3 PERCENT (g)	0%
TERMINAL (d)	0/33 (0%)
FIRST INCIDENCE	---

STATISTICAL TESTS

LIFE TABLE	P=0.378
POLY 3	P=0.348
POLY 1.5	P=0.350
POLY 6	P=0.349
LOGISTIC REGRESSION	P=0.368
COCH-ARM / FISHERS	P=0.354
ORDER RESTRICTED	P=0.177
MAX-ISO-POLY-3	P=0.213

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Date Report Requested: 01/28/2008

Test Type: CHRONIC-LIFETIME

Aspartame

Time Report Requested: 17:57:48

Route: DOSED FEED

CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
 TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Males					
	100000 PPM	50000 PPM	10000 PPM	2000 PPM	400 PPM	80 PPM
<b>Oral Cavity (Oral Mucosa, Tongue, Pharynx, Tooth, Gingiva) Squamous Cell Carcinoma, Papilloma Squamous, or Papilloma</b>						
<b>TUMOR RATES</b>	#	#	#	#	#	#
OVERALL (a)	1/100 (1%)	1/100 (1%)	1/100 (1%)	1/150 (1%)	2/150 (1%)	0/150 (0%)
POLY-3 RATE (b)	1/64.38	1/66.75	1/64.94	1/94.68	2/90.61	0/95.71
POLY-3 PERCENT (g)	1.6%	1.5%	1.5%	1.1%	2.2%	0%
TERMINAL (d)	1/27 (4%)	0/21 (0%)	0/21 (0%)	1/37 (3%)	0/34 (0%)	0/46 (0%)
FIRST INCIDENCE	730 (T)	589	523	730 (T)	655	---
<b>STATISTICAL TESTS</b>						
LIFE TABLE	P=0.460	P=0.435	P=0.409	P=0.523	P=0.204	(e)
POLY 3	P=0.416	P=0.423	P=0.418	P=0.493	P=0.222	(e)
POLY 1.5	P=0.417	P=0.420	P=0.418	P=0.496	P=0.227	(e)
POLY 6	P=0.420	P=0.428	P=0.417	P=0.492	P=0.217	(e)
LOGISTIC REGRESSION	P=0.460	P=0.420	P=0.424	P=0.523	P=0.219	(e)
COCH-ARM / FISHERS	P=0.400	P=0.400	P=0.400	P=0.500	P=0.249	(e)
ORDER RESTRICTED	(e)	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	(e)

**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**

**Date Report Requested:** 01/28/2008

**Test Type:** CHRONIC-LIFETIME

Aspartame

**Time Report Requested:** 17:57:48

**Route:** DOSED FEED

**CAS Number:** 22839-47-0

**First Dose M/F:** 06/27/97 / 06/27/97

**Species/Strain:** RATS/SD

**Lab:** CRC

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
TERMINAL SACRIFICE AT 105 WEEKS**

---

**Males**

**DOSE**                      **0 PPM**

---

**Oral Cavity (Oral Mucosa, Tongue, Pharynx, Tooth, Gingiva)  
Squamous Cell Carcinoma, Papilloma Squamous, or Papilloma**

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<b>TUMOR RATES</b>	#
OVERALL (a)	0/150 (0%)
POLY-3 RATE (b)	0/97.86
POLY-3 PERCENT (g)	0%
TERMINAL (d)	0/33 (0%)
FIRST INCIDENCE	---

---

**STATISTICAL TESTS**

LIFE TABLE	P=0.382
POLY 3	P=0.359
POLY 1.5	P=0.359
POLY 6	P=0.363
LOGISTIC REGRESSION	P=0.368
COCH-ARM / FISHERS	P=0.360
ORDER RESTRICTED	P=0.336
MAX-ISO-POLY-3	P=0.368

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**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**

**Date Report Requested:** 01/28/2008

**Test Type:** CHRONIC-LIFETIME

Aspartame

**Time Report Requested:** 17:57:48

**Route:** DOSED FEED

**CAS Number:** 22839-47-0

**First Dose M/F:** 06/27/97 / 06/27/97

**Species/Strain:** RATS/SD

**Lab:** CRC

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males					
	100000 PPM	50000 PPM	10000 PPM	2000 PPM	400 PPM	80 PPM

**Oral Mucosa  
Squamous Cell Carcinoma**

TUMOR RATES	#	#	#	#	#	#
OVERALL (a)	1/100 (1%)	0/100 (0%)	0/100 (0%)	0/150 (0%)	2/150 (1%)	0/150 (0%)
POLY-3 RATE (b)	1/64.38	0/66.28	0/64.31	0/94.68	2/90.61	0/95.71
POLY-3 PERCENT (g)	1.6%	0%	0%	0%	2.2%	0%
TERMINAL (d)	1/27 (4%)	0/21 (0%)	0/21 (0%)	0/37 (0%)	0/34 (0%)	0/46 (0%)
FIRST INCIDENCE	730 (T)	---	---	---	655	---

**STATISTICAL TESTS**

LIFE TABLE	P=0.460	(e)	(e)	(e)	P=0.204	(e)
POLY 3	P=0.416	(e)	(e)	(e)	P=0.222	(e)
POLY 1.5	P=0.417	(e)	(e)	(e)	P=0.227	(e)
POLY 6	P=0.420	(e)	(e)	(e)	P=0.217	(e)
LOGISTIC REGRESSION	P=0.460	(e)	(e)	(e)	P=0.219	(e)
COCH-ARM / FISHERS	P=0.400	(e)	(e)	(e)	P=0.249	(e)
ORDER RESTRICTED	(e)	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	(e)

**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**

**Date Report Requested:** 01/28/2008

**Test Type:** CHRONIC-LIFETIME

Aspartame

**Time Report Requested:** 17:57:48

**Route:** DOSED FEED

**CAS Number:** 22839-47-0

**First Dose M/F:** 06/27/97 / 06/27/97

**Species/Strain:** RATS/SD

**Lab:** CRC

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
TERMINAL SACRIFICE AT 105 WEEKS**

---

**Males**

**DOSE**                      **0 PPM**

---

**Oral Mucosa  
Squamous Cell Carcinoma**

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<b>TUMOR RATES</b>	#
OVERALL (a)	0/150 (0%)
POLY-3 RATE (b)	0/97.86
POLY-3 PERCENT (g)	0%
TERMINAL (d)	0/33 (0%)
FIRST INCIDENCE	---

---

**STATISTICAL TESTS**

LIFE TABLE	P=0.378
POLY 3	P=0.348
POLY 1.5	P=0.350
POLY 6	P=0.349
LOGISTIC REGRESSION	P=0.368
COCH-ARM / FISHERS	P=0.354
ORDER RESTRICTED	P=0.177
MAX-ISO-POLY-3	P=0.213

---

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Date Report Requested: 01/28/2008

Test Type: CHRONIC-LIFETIME

Aspartame

Time Report Requested: 17:57:48

Route: DOSED FEED

CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
 TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Males					
	100000 PPM	50000 PPM	10000 PPM	2000 PPM	400 PPM	80 PPM
<b>Oral Mucosa Squamous Cell Papilloma</b>						
<b>TUMOR RATES</b>	#	#	#	#	#	#
OVERALL (a)	0/100 (0%)	1/100 (1%)	1/100 (1%)	1/150 (1%)	0/150 (0%)	0/150 (0%)
POLY-3 RATE (b)	0/64.38	1/66.75	1/64.94	1/94.68	0/90.15	0/95.71
POLY-3 PERCENT (g)	0%	1.5%	1.5%	1.1%	0%	0%
TERMINAL (d)	0/27 (0%)	0/21 (0%)	0/21 (0%)	1/37 (3%)	0/34 (0%)	0/46 (0%)
FIRST INCIDENCE	---	589	523	730 (T)	---	---
<b>STATISTICAL TESTS</b>						
LIFE TABLE	(e)	P=0.435	P=0.409	P=0.523	(e)	(e)
POLY 3	(e)	P=0.423	P=0.418	P=0.493	(e)	(e)
POLY 1.5	(e)	P=0.420	P=0.418	P=0.496	(e)	(e)
POLY 6	(e)	P=0.428	P=0.417	P=0.492	(e)	(e)
LOGISTIC REGRESSION	(e)	P=0.420	P=0.424	P=0.523	(e)	(e)
COCH-ARM / FISHERS	(e)	P=0.400	P=0.400	P=0.500	(e)	(e)
ORDER RESTRICTED	(e)	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	(e)



**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**

Aspartame

CAS Number: 22839-47-0

Date Report Requested: 01/28/2008

Time Report Requested: 17:57:48

First Dose M/F: 06/27/97 / 06/27/97

Lab: CRC

Test Type: CHRONIC-LIFETIME

Route: DOSED FEED

Species/Strain: RATS/SD

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
TERMINAL SACRIFICE AT 105 WEEKS**

---

**Males**

**DOSE**                      **0 PPM**

---

**Oral Mucosa  
Squamous Cell Papilloma**

---

<b>TUMOR RATES</b>	#
OVERALL (a)	0/150 (0%)
POLY-3 RATE (b)	0/97.86
POLY-3 PERCENT (g)	0%
TERMINAL (d)	0/33 (0%)
FIRST INCIDENCE	---

---

**STATISTICAL TESTS**

LIFE TABLE	P=0.627
POLY 3	P=0.623
POLY 1.5	P=0.624
POLY 6	P=0.630
LOGISTIC REGRESSION	P=0.623
COCH-ARM / FISHERS	P=0.622
ORDER RESTRICTED	P=0.373
MAX-ISO-POLY-3	P=0.402

---

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Date Report Requested: 01/28/2008

Test Type: CHRONIC-LIFETIME

Aspartame

Time Report Requested: 17:57:48

Route: DOSED FEED

CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
 TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Males					
	100000 PPM	50000 PPM	10000 PPM	2000 PPM	400 PPM	80 PPM

Pancreas  
 Leukemia Myeloid

TUMOR RATES

OVERALL (a)	0/99 (0%)	0/100 (0%)	0/100 (0%)	0/150 (0%)	0/149 (0%)	2/149 (1%)
POLY-3 RATE (b)	0/64.07	0/66.28	0/64.31	0/94.68	0/90.02	2/96.46
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	2.1%
TERMINAL (d)	0/27 (0%)	0/21 (0%)	0/21 (0%)	0/37 (0%)	0/34 (0%)	0/46 (0%)
FIRST INCIDENCE	---	---	---	---	---	589

STATISTICAL TESTS

LIFE TABLE	(e)	(e)	(e)	(e)	(e)	P=0.224
POLY 3	(e)	(e)	(e)	(e)	(e)	P=0.237
POLY 1.5	(e)	(e)	(e)	(e)	(e)	P=0.237
POLY 6	(e)	(e)	(e)	(e)	(e)	P=0.242
LOGISTIC REGRESSION	(e)	(e)	(e)	(e)	(e)	P=0.238
COCH-ARM / FISHERS	(e)	(e)	(e)	(e)	(e)	P=0.249
ORDER RESTRICTED	(e)	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	(e)

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Date Report Requested: 01/28/2008

Test Type: CHRONIC-LIFETIME

Aspartame

Time Report Requested: 17:57:48

Route: DOSED FEED

CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
TERMINAL SACRIFICE AT 105 WEEKS

Males

DOSE 0 PPM

Pancreas  
Leukemia Myeloid

TUMOR RATES

OVERALL (a)	0/149 (0%)
POLY-3 RATE (b)	0/97.04
POLY-3 PERCENT (g)	0%
TERMINAL (d)	0/33 (0%)
FIRST INCIDENCE	---

STATISTICAL TESTS

LIFE TABLE	P=0.391N
POLY 3	P=0.389N
POLY 1.5	P=0.397N
POLY 6	P=0.380N
LOGISTIC REGRESSION	P=0.403N
COCH-ARM / FISHERS	P=0.404N
ORDER RESTRICTED	P=0.276N
MAX-ISO-POLY-3	P=0.311N

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Date Report Requested: 01/28/2008

Test Type: CHRONIC-LIFETIME

Aspartame

Time Report Requested: 17:57:48

Route: DOSED FEED

CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
 TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Males					
	100000 PPM	50000 PPM	10000 PPM	2000 PPM	400 PPM	80 PPM

Parathyroid Gland  
 Adenoma

TUMOR RATES

OVERALL (a)	0/99 (0%)	0/100 (0%)	0/99 (0%)	0/148 (0%)	0/140 (0%)	1/149 (1%)
POLY-3 RATE (b)	0/63.75	0/66.28	0/64.08	0/94.25	0/83.51	1/94.71
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	1.1%
TERMINAL (d)	0/27 (0%)	0/21 (0%)	0/21 (0%)	0/37 (0%)	0/30 (0%)	1/45 (2%)
FIRST INCIDENCE	---	---	---	---	---	730 (T)

STATISTICAL TESTS

LIFE TABLE	(e)	(e)	(e)	(e)	(e)	P=0.574
POLY 3	(e)	(e)	(e)	(e)	(e)	P=0.505
POLY 1.5	(e)	(e)	(e)	(e)	(e)	P=0.507
POLY 6	(e)	(e)	(e)	(e)	(e)	P=0.506
LOGISTIC REGRESSION	(e)	(e)	(e)	(e)	(e)	P=0.574
COCH-ARM / FISHERS	(e)	(e)	(e)	(e)	(e)	P=0.516
ORDER RESTRICTED	(e)	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	(e)

Test Type: CHRONIC-LIFETIME

Aspartame

Time Report Requested: 17:57:48

Route: DOSED FEED

CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
 TERMINAL SACRIFICE AT 105 WEEKS

Males

DOSE 0 PPM

Parathyroid Gland  
 Adenoma

TUMOR RATES

OVERALL (a)	0/140 (0%)
POLY-3 RATE (b)	0/92.41
POLY-3 PERCENT (g)	0%
TERMINAL (d)	0/31 (0%)
FIRST INCIDENCE	---

STATISTICAL TESTS

LIFE TABLE	P=0.569N
POLY 3	P=0.569N
POLY 1.5	P=0.574N
POLY 6	P=0.564N
LOGISTIC REGRESSION	(e)
COCH-ARM / FISHERS	P=0.578N
ORDER RESTRICTED	P=0.434N
MAX-ISO-POLY-3	P=0.457N

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Date Report Requested: 01/28/2008

Test Type: CHRONIC-LIFETIME

Aspartame

Time Report Requested: 17:57:48

Route: DOSED FEED

CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
 TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Males					
	100000 PPM	50000 PPM	10000 PPM	2000 PPM	400 PPM	80 PPM

Peripheral Nerve  
 Schwannoma Benign

TUMOR RATES	#	#	#	#	#	#
OVERALL (a)	0/100 (0%)	0/100 (0%)	0/100 (0%)	0/150 (0%)	1/150 (1%)	0/150 (0%)
POLY-3 RATE (b)	0/64.38	0/66.28	0/64.31	0/94.68	1/90.15	0/95.71
POLY-3 PERCENT (g)	0%	0%	0%	0%	1.1%	0%
TERMINAL (d)	0/27 (0%)	0/21 (0%)	0/21 (0%)	0/37 (0%)	1/34 (3%)	0/46 (0%)
FIRST INCIDENCE	---	---	---	---	730 (T)	---

STATISTICAL TESTS

LIFE TABLE	(e)	(e)	(e)	(e)	P=0.506	(e)
POLY 3	(e)	(e)	(e)	(e)	P=0.484	(e)
POLY 1.5	(e)	(e)	(e)	(e)	P=0.489	(e)
POLY 6	(e)	(e)	(e)	(e)	P=0.478	(e)
LOGISTIC REGRESSION	(e)	(e)	(e)	(e)	P=0.506	(e)
COCH-ARM / FISHERS	(e)	(e)	(e)	(e)	P=0.500	(e)
ORDER RESTRICTED	(e)	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	(e)

**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**

Aspartame

CAS Number: 22839-47-0

Date Report Requested: 01/28/2008

Time Report Requested: 17:57:48

First Dose M/F: 06/27/97 / 06/27/97

Lab: CRC

Test Type: CHRONIC-LIFETIME

Route: DOSED FEED

Species/Strain: RATS/SD

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
TERMINAL SACRIFICE AT 105 WEEKS**

---

**Males**

**DOSE**                      **0 PPM**

---

**Peripheral Nerve  
Schwannoma Benign**

---

<b>TUMOR RATES</b>	#
OVERALL (a)	0/150 (0%)
POLY-3 RATE (b)	0/97.86
POLY-3 PERCENT (g)	0%
TERMINAL (d)	0/33 (0%)
FIRST INCIDENCE	---

---

**STATISTICAL TESTS**

LIFE TABLE	P=0.581N
POLY 3	P=0.588N
POLY 1.5	P=0.589N
POLY 6	P=0.592N
LOGISTIC REGRESSION	(e)
COCH-ARM / FISHERS	P=0.587N
ORDER RESTRICTED	P=0.582N
MAX-ISO-POLY-3	P=0.594N

---

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Date Report Requested: 01/28/2008

Test Type: CHRONIC-LIFETIME

Aspartame

Time Report Requested: 17:57:48

Route: DOSED FEED

CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
 TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Males					
	100000 PPM	50000 PPM	10000 PPM	2000 PPM	400 PPM	80 PPM

Peripheral Nerve  
 Schwannoma Malignant

TUMOR RATES	#	#	#	#	#	#
OVERALL (a)	4/100 (4%)	3/100 (3%)	2/100 (2%)	2/150 (1%)	3/150 (2%)	1/150 (1%)
POLY-3 RATE (b)	4/66.38	3/68.27	2/65.19	2/95.74	3/91.71	1/96.35
POLY-3 PERCENT (g)	6%	4.4%	3.1%	2.1%	3.3%	1%
TERMINAL (d)	1/27 (4%)	0/21 (0%)	1/21 (5%)	0/37 (0%)	1/34 (3%)	0/46 (0%)
FIRST INCIDENCE	351	127	361	494	343	516

STATISTICAL TESTS

LIFE TABLE	P=0.099	P=0.182	P=0.351	P=0.500	P=0.309	P=0.730N
POLY 3	P=0.084	P=0.188	P=0.360	P=0.492	P=0.284	P=0.757
POLY 1.5	P=0.083	P=0.182	P=0.361	P=0.494	P=0.291	P=0.757
POLY 6	P=0.089	P=0.195	P=0.358	P=0.494	P=0.278	P=0.760N
LOGISTIC REGRESSION	P=0.085	P=0.198	P=0.361	P=0.498	P=0.320	P=0.759
COCH-ARM / FISHERS	P=0.085	P=0.177	P=0.351	P=0.500	P=0.311	P=0.751N
ORDER RESTRICTED	(e)	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	(e)



**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**

Aspartame

CAS Number: 22839-47-0

Date Report Requested: 01/28/2008

Time Report Requested: 17:57:48

First Dose M/F: 06/27/97 / 06/27/97

Lab: CRC

Test Type: CHRONIC-LIFETIME

Route: DOSED FEED

Species/Strain: RATS/SD

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
TERMINAL SACRIFICE AT 105 WEEKS**

---

**Males**

**DOSE**                      **0 PPM**

---

**Peripheral Nerve  
Schwannoma Malignant**

---

<b>TUMOR RATES</b>	#
OVERALL (a)	1/150 (1%)
POLY-3 RATE (b)	1/97.86
POLY-3 PERCENT (g)	1%
TERMINAL (d)	1/33 (3%)
FIRST INCIDENCE	730 (T)

---

**STATISTICAL TESTS**

LIFE TABLE	P=0.025*
POLY 3	P=0.026*
POLY 1.5	P=0.024*
POLY 6	P=0.028*
LOGISTIC REGRESSION	P=0.019*
COCH-ARM / FISHERS	P=0.023*
ORDER RESTRICTED	P=0.051
MAX-ISO-POLY-3	P=0.049*

---

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Date Report Requested: 01/28/2008

Test Type: CHRONIC-LIFETIME

Aspartame

Time Report Requested: 17:57:48

Route: DOSED FEED

CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
 TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Males					
	100000 PPM	50000 PPM	10000 PPM	2000 PPM	400 PPM	80 PPM
<b>Peripheral Nerve Schwannoma: Benign, Malignant, NOS</b>						
<b>TUMOR RATES</b>	#	#	#	#	#	#
OVERALL (a)	4/100 (4%)	3/100 (3%)	2/100 (2%)	2/150 (1%)	4/150 (3%)	1/150 (1%)
POLY-3 RATE (b)	4/66.38	3/68.27	2/65.19	2/95.74	4/91.71	1/96.35
POLY-3 PERCENT (g)	6%	4.4%	3.1%	2.1%	4.4%	1%
TERMINAL (d)	1/27 (4%)	0/21 (0%)	1/21 (5%)	0/37 (0%)	2/34 (6%)	0/46 (0%)
FIRST INCIDENCE	351	127	361	494	343	516

STATISTICAL TESTS

LIFE TABLE	P=0.099	P=0.182	P=0.351	P=0.500	P=0.186	P=0.730N
POLY 3	P=0.084	P=0.188	P=0.360	P=0.492	P=0.163	P=0.757
POLY 1.5	P=0.083	P=0.182	P=0.361	P=0.494	P=0.169	P=0.757
POLY 6	P=0.089	P=0.195	P=0.358	P=0.494	P=0.157	P=0.760N
LOGISTIC REGRESSION	P=0.085	P=0.198	P=0.361	P=0.498	P=0.179	P=0.759
COCH-ARM / FISHERS	P=0.085	P=0.177	P=0.351	P=0.500	P=0.185	P=0.751N
ORDER RESTRICTED	(e)	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	(e)

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Aspartame

CAS Number: 22839-47-0

Date Report Requested: 01/28/2008

Time Report Requested: 17:57:48

First Dose M/F: 06/27/97 / 06/27/97

Lab: CRC

Test Type: CHRONIC-LIFETIME

Route: DOSED FEED

Species/Strain: RATS/SD

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)

TERMINAL SACRIFICE AT 105 WEEKS

---

Males

DOSE 0 PPM

---

Peripheral Nerve  
Schwannoma: Benign, Malignant, NOS

---

TUMOR RATES	#
OVERALL (a)	1/150 (1%)
POLY-3 RATE (b)	1/97.86
POLY-3 PERCENT (g)	1%
TERMINAL (d)	1/33 (3%)
FIRST INCIDENCE	730 (T)

---

STATISTICAL TESTS

LIFE TABLE	P=0.039*
POLY 3	P=0.039*
POLY 1.5	P=0.038*
POLY 6	P=0.043*
LOGISTIC REGRESSION	P=0.030*
COCH-ARM / FISHERS	P=0.035*
ORDER RESTRICTED	P=0.057
MAX-ISO-POLY-3	P=0.075

---

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Date Report Requested: 01/28/2008

Test Type: CHRONIC-LIFETIME

Aspartame

Time Report Requested: 17:57:48

Route: DOSED FEED

CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
 TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Males					
	100000 PPM	50000 PPM	10000 PPM	2000 PPM	400 PPM	80 PPM
<b>Peritoneum</b>						
<b>Leukemia Monocytic</b>						
<b>TUMOR RATES</b>	#	#	#	#	#	#
OVERALL (a)	0/100 (0%)	1/100 (1%)	0/100 (0%)	2/150 (1%)	0/150 (0%)	0/150 (0%)
POLY-3 RATE (b)	0/64.38	1/66.28	0/64.31	2/95.15	0/90.15	0/95.71
POLY-3 PERCENT (g)	0%	1.5%	0%	2.1%	0%	0%
TERMINAL (d)	0/27 (0%)	1/21 (5%)	0/21 (0%)	1/37 (3%)	0/34 (0%)	0/46 (0%)
FIRST INCIDENCE	---	730 (T)	---	590	---	---
<b>STATISTICAL TESTS</b>						
LIFE TABLE	(e)	P=0.410	(e)	P=0.251	(e)	(e)
POLY 3	(e)	P=0.422	(e)	P=0.232	(e)	(e)
POLY 1.5	(e)	P=0.420	(e)	P=0.234	(e)	(e)
POLY 6	(e)	P=0.425	(e)	P=0.232	(e)	(e)
LOGISTIC REGRESSION	(e)	P=0.410	(e)	P=0.232	(e)	(e)
COCH-ARM / FISHERS	(e)	P=0.400	(e)	P=0.249	(e)	(e)
ORDER RESTRICTED	(e)	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	(e)

**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**

Aspartame

CAS Number: 22839-47-0

Date Report Requested: 01/28/2008

Time Report Requested: 17:57:48

First Dose M/F: 06/27/97 / 06/27/97

Lab: CRC

Test Type: CHRONIC-LIFETIME

Route: DOSED FEED

Species/Strain: RATS/SD

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)**

**TERMINAL SACRIFICE AT 105 WEEKS**

---

**Males**

**DOSE**                      **0 PPM**

---

**Peritoneum**  
**Leukemia Monocytic**

---

<b>TUMOR RATES</b>	#
OVERALL (a)	0/150 (0%)
POLY-3 RATE (b)	0/97.86
POLY-3 PERCENT (g)	0%
TERMINAL (d)	0/33 (0%)
FIRST INCIDENCE	---

---

**STATISTICAL TESTS**

LIFE TABLE	P=0.653N
POLY 3	P=0.661N
POLY 1.5	P=0.663N
POLY 6	P=0.656N
LOGISTIC REGRESSION	P=0.655N
COCH-ARM / FISHERS	P=0.667N
ORDER RESTRICTED	P=0.371
MAX-ISO-POLY-3	P=0.400

---

**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**

**Date Report Requested:** 01/28/2008

**Test Type:** CHRONIC-LIFETIME

Aspartame

**Time Report Requested:** 17:57:48

**Route:** DOSED FEED

**CAS Number:** 22839-47-0

**First Dose M/F:** 06/27/97 / 06/27/97

**Species/Strain:** RATS/SD

**Lab:** CRC

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males					
	100000 PPM	50000 PPM	10000 PPM	2000 PPM	400 PPM	80 PPM
<b>Peritoneum</b>						
<b>Leukemia Myeloid</b>						
<b>TUMOR RATES</b>	#	#	#	#	#	#
<b>OVERALL (a)</b>	1/100 (1%)	0/100 (0%)	0/100 (0%)	0/150 (0%)	0/150 (0%)	2/150 (1%)
<b>POLY-3 RATE (b)</b>	1/64.46	0/66.28	0/64.31	0/94.68	0/90.15	2/96.48
<b>POLY-3 PERCENT (g)</b>	1.6%	0%	0%	0%	0%	2.1%
<b>TERMINAL (d)</b>	0/27 (0%)	0/21 (0%)	0/21 (0%)	0/37 (0%)	0/34 (0%)	0/46 (0%)
<b>FIRST INCIDENCE</b>	710	---	---	---	---	589
<b>STATISTICAL TESTS</b>						
<b>LIFE TABLE</b>	P=0.454	(e)	(e)	(e)	(e)	P=0.224
<b>POLY 3</b>	P=0.417	(e)	(e)	(e)	(e)	P=0.235
<b>POLY 1.5</b>	P=0.417	(e)	(e)	(e)	(e)	P=0.235
<b>POLY 6</b>	P=0.420	(e)	(e)	(e)	(e)	P=0.240
<b>LOGISTIC REGRESSION</b>	P=0.430	(e)	(e)	(e)	(e)	P=0.238
<b>COCH-ARM / FISHERS</b>	P=0.400	(e)	(e)	(e)	(e)	P=0.249
<b>ORDER RESTRICTED</b>	(e)	(e)	(e)	(e)	(e)	(e)
<b>MAX-ISO-POLY-3</b>	(e)	(e)	(e)	(e)	(e)	(e)

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Date Report Requested: 01/28/2008

Test Type: CHRONIC-LIFETIME

Aspartame

Time Report Requested: 17:57:48

Route: DOSED FEED

CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)

TERMINAL SACRIFICE AT 105 WEEKS

Males

DOSE 0 PPM

Peritoneum  
Leukemia Myeloid

TUMOR RATES	#
OVERALL (a)	0/150 (0%)
POLY-3 RATE (b)	0/97.86
POLY-3 PERCENT (g)	0%
TERMINAL (d)	0/33 (0%)
FIRST INCIDENCE	---

STATISTICAL TESTS

LIFE TABLE	P=0.383
POLY 3	P=0.367
POLY 1.5	P=0.363
POLY 6	P=0.378
LOGISTIC REGRESSION	P=0.364
COCH-ARM / FISHERS	P=0.358
ORDER RESTRICTED	P=0.177
MAX-ISO-POLY-3	P=0.213

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Date Report Requested: 01/28/2008

Test Type: CHRONIC-LIFETIME

Aspartame

Time Report Requested: 17:57:48

Route: DOSED FEED

CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
 TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Males					
	100000 PPM	50000 PPM	10000 PPM	2000 PPM	400 PPM	80 PPM
<b>Peritoneum</b>						
<b>Lymphoma Lympho-immunoblastic</b>						
<b>TUMOR RATES</b>	#	#	#	#	#	#
OVERALL (a)	0/100 (0%)	2/100 (2%)	0/100 (0%)	0/150 (0%)	0/150 (0%)	0/150 (0%)
POLY-3 RATE (b)	0/64.38	2/66.35	0/64.31	0/94.68	0/90.15	0/95.71
POLY-3 PERCENT (g)	0%	3%	0%	0%	0%	0%
TERMINAL (d)	0/27 (0%)	1/21 (5%)	0/21 (0%)	0/37 (0%)	0/34 (0%)	0/46 (0%)
FIRST INCIDENCE	---	712	---	---	---	---
<b>STATISTICAL TESTS</b>						
LIFE TABLE	(e)	P=0.147	(e)	(e)	(e)	(e)
POLY 3	(e)	P=0.157	(e)	(e)	(e)	(e)
POLY 1.5	(e)	P=0.155	(e)	(e)	(e)	(e)
POLY 6	(e)	P=0.159	(e)	(e)	(e)	(e)
LOGISTIC REGRESSION	(e)	P=0.155	(e)	(e)	(e)	(e)
COCH-ARM / FISHERS	(e)	P=0.159	(e)	(e)	(e)	(e)
ORDER RESTRICTED	(e)	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	(e)





P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Date Report Requested: 01/28/2008

Test Type: CHRONIC-LIFETIME

Aspartame

Time Report Requested: 17:57:48

Route: DOSED FEED

CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
 TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Males					
	100000 PPM	50000 PPM	10000 PPM	2000 PPM	400 PPM	80 PPM

Peritoneum  
 Lymphoma Malignant Lymphocytic

TUMOR RATES	#	#	#	#	#	#
OVERALL (a)	0/100 (0%)	1/100 (1%)	1/100 (1%)	1/150 (1%)	0/150 (0%)	0/150 (0%)
POLY-3 RATE (b)	0/64.38	1/67.04	1/65.05	1/95.27	0/90.15	0/95.71
POLY-3 PERCENT (g)	0%	1.5%	1.5%	1.1%	0%	0%
TERMINAL (d)	0/27 (0%)	0/21 (0%)	0/21 (0%)	0/37 (0%)	0/34 (0%)	0/46 (0%)
FIRST INCIDENCE	---	451	463	539	---	---

STATISTICAL TESTS

LIFE TABLE	(e)	P=0.421	P=0.421	P=0.486	(e)	(e)
POLY 3	(e)	P=0.424	P=0.418	P=0.495	(e)	(e)
POLY 1.5	(e)	P=0.421	P=0.419	P=0.496	(e)	(e)
POLY 6	(e)	P=0.428	P=0.417	P=0.495	(e)	(e)
LOGISTIC REGRESSION	(e)	P=0.456	P=0.427	P=0.511	(e)	(e)
COCH-ARM / FISHERS	(e)	P=0.400	P=0.400	P=0.500	(e)	(e)
ORDER RESTRICTED	(e)	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	(e)



P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Date Report Requested: 01/28/2008

Test Type: CHRONIC-LIFETIME

Aspartame

Time Report Requested: 17:57:48

Route: DOSED FEED

CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
 TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Males					
	100000 PPM	50000 PPM	10000 PPM	2000 PPM	400 PPM	80 PPM

Pituitary Gland: Pars Distalis or Unspecified Site  
 Adenoma

TUMOR RATES

OVERALL (a)	35/98 (36%)	45/99 (45%)	53/100 (53%)	54/147 (37%)	55/148 (37%)	57/149 (38%)
POLY-3 RATE (b)	35/74.03	45/78.39	53/82.29	54/109.87	55/108.63	57/114.76
POLY-3 PERCENT (g)	47.3%	57.4%	64.4%	49.2%	50.6%	49.7%
TERMINAL (d)	10/27 (37%)	11/21 (52%)	9/21 (43%)	18/36 (50%)	15/33 (46%)	18/46 (39%)
FIRST INCIDENCE	460	396	394	362	368	384

STATISTICAL TESTS

LIFE TABLE	P=0.082N	P=0.541N	P=0.142	P=0.133N	P=0.302N	P=0.095N
POLY 3	P=0.116N	P=0.525	P=0.157	P=0.140N	P=0.201N	P=0.157N
POLY 1.5	P=0.115N	P=0.504	P=0.127	P=0.123N	P=0.175N	P=0.162N
POLY 6	P=0.108N	P=0.526	P=0.219	P=0.176N	P=0.244N	P=0.158N
LOGISTIC REGRESSION	P=0.115N	P=0.514	P=0.102	P=0.130N	P=0.193N	P=0.192N
COCH-ARM / FISHERS	P=0.113N	P=0.480	P=0.111	P=0.114N	P=0.129N	P=0.173N
ORDER RESTRICTED	(e)	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	(e)

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Date Report Requested: 01/28/2008

Test Type: CHRONIC-LIFETIME

Aspartame

Time Report Requested: 17:57:48

Route: DOSED FEED

CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)

TERMINAL SACRIFICE AT 105 WEEKS

Males

DOSE 0 PPM

Pituitary Gland: Pars Distalis or Unspecified Site Adenoma

TUMOR RATES

OVERALL (a)	66/149 (44%)
POLY-3 RATE (b)	66/116.29
POLY-3 PERCENT (g)	56.8%
TERMINAL (d)	17/32 (53%)
FIRST INCIDENCE	393

STATISTICAL TESTS

LIFE TABLE	P=0.245N
POLY 3	P=0.318N
POLY 1.5	P=0.335N
POLY 6	P=0.275N
LOGISTIC REGRESSION	P=0.314N
COCH-ARM / FISHERS	P=0.362N
ORDER RESTRICTED	P=0.177N
MAX-ISO-POLY-3	P=0.216N

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Date Report Requested: 01/28/2008

Test Type: CHRONIC-LIFETIME

Aspartame

Time Report Requested: 17:57:48

Route: DOSED FEED

CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
 TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Males					
	100000 PPM	50000 PPM	10000 PPM	2000 PPM	400 PPM	80 PPM

Pituitary Gland: Pars Distalis or Unspecified Site  
 Carcinoma

TUMOR RATES

OVERALL (a)	2/98 (2%)	1/99 (1%)	2/100 (2%)	6/147 (4%)	1/148 (1%)	5/149 (3%)
POLY-3 RATE (b)	2/63.92	1/66.34	2/64.98	6/94.58	1/89.75	5/97.37
POLY-3 PERCENT (g)	3.1%	1.5%	3.1%	6.3%	1.1%	5.1%
TERMINAL (d)	1/27 (4%)	0/21 (0%)	1/21 (5%)	1/36 (3%)	0/33 (0%)	0/46 (0%)
FIRST INCIDENCE	627	704	505	598	395	451

STATISTICAL TESTS

LIFE TABLE	P=0.377	P=0.672	P=0.355	P=0.062	P=0.747	P=0.101
POLY 3	P=0.355	P=0.674	P=0.361	P=0.056	P=0.743	P=0.106
POLY 1.5	P=0.355	P=0.670	P=0.362	P=0.057	P=0.748	P=0.105
POLY 6	P=0.364	P=0.678	P=0.359	P=0.056	P=0.737	P=0.112
LOGISTIC REGRESSION	P=0.356	P=0.670	P=0.364	P=0.057	P=0.716N	P=0.115
COCH-ARM / FISHERS	P=0.347	P=0.640	P=0.354	P=0.058	P=0.749	P=0.107
ORDER RESTRICTED	(e)	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	(e)

Test Type: CHRONIC-LIFETIME

Aspartame

Time Report Requested: 17:57:48

Route: DOSED FEED

CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
TERMINAL SACRIFICE AT 105 WEEKS

Males

DOSE 0 PPM

Pituitary Gland: Pars Distalis or Unspecified Site  
Carcinoma

TUMOR RATES

OVERALL (a)	1/149 (1%)
POLY-3 RATE (b)	1/97.38
POLY-3 PERCENT (g)	1%
TERMINAL (d)	0/32 (0%)
FIRST INCIDENCE	571

STATISTICAL TESTS

LIFE TABLE	P=0.413N
POLY 3	P=0.421N
POLY 1.5	P=0.432N
POLY 6	P=0.403N
LOGISTIC REGRESSION	P=0.443N
COCH-ARM / FISHERS	P=0.447N
ORDER RESTRICTED	P=0.325
MAX-ISO-POLY-3	P=0.355

**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**

**Date Report Requested:** 01/28/2008

**Test Type:** CHRONIC-LIFETIME

Aspartame

**Time Report Requested:** 17:57:48

**Route:** DOSED FEED

**CAS Number:** 22839-47-0

**First Dose M/F:** 06/27/97 / 06/27/97

**Species/Strain:** RATS/SD

**Lab:** CRC

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males					
	100000 PPM	50000 PPM	10000 PPM	2000 PPM	400 PPM	80 PPM

**Pituitary Gland: Pars Distalis or Unspecified Site  
Carcinoma or Adenoma**

**TUMOR RATES**

<b>OVERALL (a)</b>	37/98 (38%)	46/99 (46%)	55/100 (55%)	60/147 (41%)	56/148 (38%)	62/149 (42%)
<b>POLY-3 RATE (b)</b>	37/74.4	46/78.5	55/82.96	60/111.21	56/109.48	62/117.3
<b>POLY-3 PERCENT (g)</b>	49.7%	58.6%	66.3%	54%	51.2%	52.9%
<b>TERMINAL (d)</b>	11/27 (41%)	11/21 (52%)	10/21 (48%)	19/36 (53%)	15/33 (46%)	18/46 (39%)
<b>FIRST INCIDENCE</b>	460	396	394	362	368	384

**STATISTICAL TESTS**

<b>LIFE TABLE</b>	P=0.113N	P=0.526	P=0.111	P=0.276N	P=0.305N	P=0.189N
<b>POLY 3</b>	P=0.175N	P=0.489	P=0.112	P=0.341N	P=0.196N	P=0.276N
<b>POLY 1.5</b>	P=0.169N	P=0.475	P=0.088	P=0.306N	P=0.172N	P=0.294N
<b>POLY 6</b>	P=0.166N	P=0.482	P=0.161	P=0.396N	P=0.240N	P=0.258N
<b>LOGISTIC REGRESSION</b>	P=0.164N	P=0.493	P=0.070	P=0.306N	P=0.190N	P=0.344N
<b>COCH-ARM / FISHERS</b>	P=0.161N	P=0.459	P=0.077	P=0.273N	P=0.129N	P=0.320N
<b>ORDER RESTRICTED</b>	(e)	(e)	(e)	(e)	(e)	(e)
<b>MAX-ISO-POLY-3</b>	(e)	(e)	(e)	(e)	(e)	(e)





**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**

**Date Report Requested:** 01/28/2008

**Test Type:** CHRONIC-LIFETIME

Aspartame

**Time Report Requested:** 17:57:48

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**CAS Number:** 22839-47-0

**First Dose M/F:** 06/27/97 / 06/27/97

**Species/Strain:** RATS/SD

**Lab:** CRC

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males					
	100000 PPM	50000 PPM	10000 PPM	2000 PPM	400 PPM	80 PPM

**Pituitary Gland: Pars Distalis or Unspecified Site  
Leukemia Myeloid**

**TUMOR RATES**

OVERALL (a)	0/98 (0%)	0/99 (0%)	0/100 (0%)	0/147 (0%)	0/148 (0%)	2/149 (1%)
POLY-3 RATE (b)	0/63.55	0/66.24	0/64.31	0/93.25	0/88.91	2/95.61
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	2.1%
TERMINAL (d)	0/27 (0%)	0/21 (0%)	0/21 (0%)	0/36 (0%)	0/33 (0%)	0/46 (0%)
FIRST INCIDENCE	---	---	---	---	---	589

**STATISTICAL TESTS**

LIFE TABLE	(e)	(e)	(e)	(e)	(e)	P=0.224
POLY 3	(e)	(e)	(e)	(e)	(e)	P=0.235
POLY 1.5	(e)	(e)	(e)	(e)	(e)	P=0.235
POLY 6	(e)	(e)	(e)	(e)	(e)	P=0.241
LOGISTIC REGRESSION	(e)	(e)	(e)	(e)	(e)	P=0.238
COCH-ARM / FISHERS	(e)	(e)	(e)	(e)	(e)	P=0.249
ORDER RESTRICTED	(e)	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	(e)

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

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Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
TERMINAL SACRIFICE AT 105 WEEKS

Males

DOSE 0 PPM

Pituitary Gland: Pars Distalis or Unspecified Site  
Leukemia Myeloid

TUMOR RATES

OVERALL (a)	0/149 (0%)
POLY-3 RATE (b)	0/96.86
POLY-3 PERCENT (g)	0%
TERMINAL (d)	0/32 (0%)
FIRST INCIDENCE	---

STATISTICAL TESTS

LIFE TABLE	P=0.391N
POLY 3	P=0.390N
POLY 1.5	P=0.397N
POLY 6	P=0.380N
LOGISTIC REGRESSION	P=0.404N
COCH-ARM / FISHERS	P=0.405N
ORDER RESTRICTED	P=0.277N
MAX-ISO-POLY-3	P=0.311N

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

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Aspartame

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CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
 TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Males					
	100000 PPM	50000 PPM	10000 PPM	2000 PPM	400 PPM	80 PPM

Pleura  
 Leukemia Lymphoblastic

TUMOR RATES	#	#	#	#	#	#
OVERALL (a)	0/100 (0%)	0/100 (0%)	0/100 (0%)	0/150 (0%)	0/150 (0%)	0/150 (0%)
POLY-3 RATE (b)	0/64.38	0/66.28	0/64.31	0/94.68	0/90.15	0/95.71
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	0%
TERMINAL (d)	0/27 (0%)	0/21 (0%)	0/21 (0%)	0/37 (0%)	0/34 (0%)	0/46 (0%)
FIRST INCIDENCE	---	---	---	---	---	---

STATISTICAL TESTS

LIFE TABLE	(e)	(e)	(e)	(e)	(e)	(e)
POLY 3	(e)	(e)	(e)	(e)	(e)	(e)
POLY 1.5	(e)	(e)	(e)	(e)	(e)	(e)
POLY 6	(e)	(e)	(e)	(e)	(e)	(e)
LOGISTIC REGRESSION	(e)	(e)	(e)	(e)	(e)	(e)
COCH-ARM / FISHERS	(e)	(e)	(e)	(e)	(e)	(e)
ORDER RESTRICTED	(e)	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	(e)

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Date Report Requested: 01/28/2008

Test Type: CHRONIC-LIFETIME

Aspartame

Time Report Requested: 17:57:48

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CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)

TERMINAL SACRIFICE AT 105 WEEKS

Males

DOSE 0 PPM

Pleura  
Leukemia Lymphoblastic

TUMOR RATES	#
OVERALL (a)	0/150 (0%)
POLY-3 RATE (b)	0/97.86
POLY-3 PERCENT (g)	0%
TERMINAL (d)	0/33 (0%)
FIRST INCIDENCE	---

STATISTICAL TESTS

LIFE TABLE	(e)
POLY 3	(e)
POLY 1.5	(e)
POLY 6	(e)
LOGISTIC REGRESSION	(e)
COCH-ARM / FISHERS	(e)
ORDER RESTRICTED	(e)
MAX-ISO-POLY-3	(e)

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

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Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
 TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Males					
	100000 PPM	50000 PPM	10000 PPM	2000 PPM	400 PPM	80 PPM

Pleura  
 Leukemia Monocytic

TUMOR RATES	#	#	#	#	#	#
OVERALL (a)	1/100 (1%)	0/100 (0%)	0/100 (0%)	1/150 (1%)	0/150 (0%)	0/150 (0%)
POLY-3 RATE (b)	1/64.38	0/66.28	0/64.31	1/95.3	0/90.15	0/95.71
POLY-3 PERCENT (g)	1.6%	0%	0%	1.1%	0%	0%
TERMINAL (d)	1/27 (4%)	0/21 (0%)	0/21 (0%)	0/37 (0%)	0/34 (0%)	0/46 (0%)
FIRST INCIDENCE	730 (T)	---	---	529	---	---

STATISTICAL TESTS

LIFE TABLE	P=0.460	(e)	(e)	P=0.488	(e)	(e)
POLY 3	P=0.416	(e)	(e)	P=0.495	(e)	(e)
POLY 1.5	P=0.417	(e)	(e)	P=0.496	(e)	(e)
POLY 6	P=0.420	(e)	(e)	P=0.495	(e)	(e)
LOGISTIC REGRESSION	P=0.460	(e)	(e)	P=0.513	(e)	(e)
COCH-ARM / FISHERS	P=0.400	(e)	(e)	P=0.500	(e)	(e)
ORDER RESTRICTED	(e)	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	(e)

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Date Report Reqsted: 01/28/2008

Test Type: CHRONIC-LIFETIME

Aspartame

Time Report Reqsted: 17:57:48

Route: DOSED FEED

CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
TERMINAL SACRIFICE AT 105 WEEKS

Males

DOSE 0 PPM

Pleura  
Leukemia Monocytic

TUMOR RATES	#
OVERALL (a)	0/150 (0%)
POLY-3 RATE (b)	0/97.86
POLY-3 PERCENT (g)	0%
TERMINAL (d)	0/33 (0%)
FIRST INCIDENCE	---

STATISTICAL TESTS

LIFE TABLE	P=0.194
POLY 3	P=0.193
POLY 1.5	P=0.192
POLY 6	P=0.196
LOGISTIC REGRESSION	P=0.192
COCH-ARM / FISHERS	P=0.190
ORDER RESTRICTED	P=0.099
MAX-ISO-POLY-3	P=0.129

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Date Report Requested: 01/28/2008

Test Type: CHRONIC-LIFETIME

Aspartame

Time Report Requested: 17:57:48

Route: DOSED FEED

CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
 TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Males					
	100000 PPM	50000 PPM	10000 PPM	2000 PPM	400 PPM	80 PPM

Pleura  
 Lymphoma Lympho-immunoblastic

TUMOR RATES	#	#	#	#	#	#
OVERALL (a)	0/100 (0%)	2/100 (2%)	0/100 (0%)	4/150 (3%)	1/150 (1%)	1/150 (1%)
POLY-3 RATE (b)	0/64.38	2/66.35	0/64.31	4/94.81	1/90.33	1/96.24
POLY-3 PERCENT (g)	0%	3%	0%	4.2%	1.1%	1%
TERMINAL (d)	0/27 (0%)	1/21 (5%)	0/21 (0%)	2/37 (5%)	0/34 (0%)	0/46 (0%)
FIRST INCIDENCE	---	712	---	712	683	566

STATISTICAL TESTS

LIFE TABLE	(e)	P=0.147	(e)	P=0.074	P=0.465	P=0.482
POLY 3	(e)	P=0.157	(e)	P=0.060	P=0.484	P=0.497
POLY 1.5	(e)	P=0.155	(e)	P=0.061	P=0.489	P=0.497
POLY 6	(e)	P=0.159	(e)	P=0.059	P=0.479	P=0.501
LOGISTIC REGRESSION	(e)	P=0.155	(e)	P=0.062	P=0.479	P=0.506
COCH-ARM / FISHERS	(e)	P=0.159	(e)	P=0.061	P=0.500	P=0.500
ORDER RESTRICTED	(e)	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	(e)



**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**

Aspartame

CAS Number: 22839-47-0

Date Report Requested: 01/28/2008

Time Report Requested: 17:57:48

First Dose M/F: 06/27/97 / 06/27/97

Lab: CRC

Test Type: CHRONIC-LIFETIME

Route: DOSED FEED

Species/Strain: RATS/SD

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)**

**TERMINAL SACRIFICE AT 105 WEEKS**

---

**Males**

**DOSE**                      **0 PPM**

---

**Pleura**  
**Lymphoma Lympho-immunoblastic**

---

<b>TUMOR RATES</b>	<b>#</b>
OVERALL (a)	0/150 (0%)
POLY-3 RATE (b)	0/97.86
POLY-3 PERCENT (g)	0%
TERMINAL (d)	0/33 (0%)
FIRST INCIDENCE	---

---

**STATISTICAL TESTS**

LIFE TABLE	P=0.423N
POLY 3	P=0.442N
POLY 1.5	P=0.445N
POLY 6	P=0.434N
LOGISTIC REGRESSION	P=0.424N
COCH-ARM / FISHERS	P=0.448N
ORDER RESTRICTED	P=0.270
MAX-ISO-POLY-3	P=0.306

---

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Date Report Requested: 01/28/2008

Test Type: CHRONIC-LIFETIME

Aspartame

Time Report Requested: 17:57:48

Route: DOSED FEED

CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
 TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Males					
	100000 PPM	50000 PPM	10000 PPM	2000 PPM	400 PPM	80 PPM
<b>Pleura Neoplasms NOS</b>						
<b>TUMOR RATES</b>	#	#	#	#	#	#
OVERALL (a)	0/100 (0%)	0/100 (0%)	0/100 (0%)	1/150 (1%)	0/150 (0%)	0/150 (0%)
POLY-3 RATE (b)	0/64.38	0/66.28	0/64.31	1/94.9	0/90.15	0/95.71
POLY-3 PERCENT (g)	0%	0%	0%	1.1%	0%	0%
TERMINAL (d)	0/27 (0%)	0/21 (0%)	0/21 (0%)	0/37 (0%)	0/34 (0%)	0/46 (0%)
FIRST INCIDENCE	---	---	---	672	---	---
<b>STATISTICAL TESTS</b>						
LIFE TABLE	(e)	(e)	(e)	P=0.493	(e)	(e)
POLY 3	(e)	(e)	(e)	P=0.494	(e)	(e)
POLY 1.5	(e)	(e)	(e)	P=0.496	(e)	(e)
POLY 6	(e)	(e)	(e)	P=0.493	(e)	(e)
LOGISTIC REGRESSION	(e)	(e)	(e)	P=0.493	(e)	(e)
COCH-ARM / FISHERS	(e)	(e)	(e)	P=0.500	(e)	(e)
ORDER RESTRICTED	(e)	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	(e)

**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**

Aspartame

CAS Number: 22839-47-0

Date Report Requested: 01/28/2008

Time Report Requested: 17:57:48

First Dose M/F: 06/27/97 / 06/27/97

Lab: CRC

Test Type: CHRONIC-LIFETIME

Route: DOSED FEED

Species/Strain: RATS/SD

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
TERMINAL SACRIFICE AT 105 WEEKS**

---

**Males**

**DOSE**                      **0 PPM**

---

**Pleura  
Neoplasms NOS**

---

<b>TUMOR RATES</b>	#
OVERALL (a)	0/150 (0%)
POLY-3 RATE (b)	0/97.86
POLY-3 PERCENT (g)	0%
TERMINAL (d)	0/33 (0%)
FIRST INCIDENCE	---

---

**STATISTICAL TESTS**

LIFE TABLE	P=0.594N
POLY 3	P=0.596N
POLY 1.5	P=0.601N
POLY 6	P=0.595N
LOGISTIC REGRESSION	P=0.600N
COCH-ARM / FISHERS	P=0.606N
ORDER RESTRICTED	P=0.588
MAX-ISO-POLY-3	P=0.600

---

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Date Report Requested: 01/28/2008

Test Type: CHRONIC-LIFETIME

Aspartame

Time Report Requested: 17:57:48

Route: DOSED FEED

CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
 TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Males					
	100000 PPM	50000 PPM	10000 PPM	2000 PPM	400 PPM	80 PPM

Prostate  
 Adenoma

TUMOR RATES

OVERALL (a)	1/97 (1%)	2/99 (2%)	2/100 (2%)	0/150 (0%)	0/147 (0%)	0/150 (0%)
POLY-3 RATE (b)	1/62.42	2/66.32	2/64.82	0/94.68	0/88.74	0/95.71
POLY-3 PERCENT (g)	1.6%	3%	3.1%	0%	0%	0%
TERMINAL (d)	0/25 (0%)	1/21 (5%)	0/21 (0%)	0/37 (0%)	0/34 (0%)	0/46 (0%)
FIRST INCIDENCE	404	457	641	---	---	---

STATISTICAL TESTS

LIFE TABLE	P=0.683	P=0.348	P=0.336	P=0.477N	P=0.494N	P=0.434N
POLY 3	P=0.659	P=0.368	P=0.361	P=0.505N	P=0.518N	P=0.503N
POLY 1.5	P=0.660	P=0.363	P=0.362	P=0.503N	P=0.513N	P=0.502N
POLY 6	P=0.663	P=0.375	P=0.360	P=0.506N	P=0.523N	P=0.500N
LOGISTIC REGRESSION	P=0.668	P=0.361	P=0.354	(e)	(e)	(e)
COCH-ARM / FISHERS	P=0.634	P=0.350	P=0.354	P=0.498N	P=0.503N	P=0.498N
ORDER RESTRICTED	(e)	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	(e)

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Date Report Requested: 01/28/2008

Test Type: CHRONIC-LIFETIME

Aspartame

Time Report Requested: 17:57:48

Route: DOSED FEED

CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)

TERMINAL SACRIFICE AT 105 WEEKS

Males

DOSE 0 PPM

Prostate Adenoma

TUMOR RATES

OVERALL (a)	1/149 (1%)
POLY-3 RATE (b)	1/97.17
POLY-3 PERCENT (g)	1%
TERMINAL (d)	1/33 (3%)
FIRST INCIDENCE	730 (T)

STATISTICAL TESTS

LIFE TABLE	P=0.149
POLY 3	P=0.139
POLY 1.5	P=0.138
POLY 6	P=0.143
LOGISTIC REGRESSION	P=0.136
COCH-ARM / FISHERS	P=0.136
ORDER RESTRICTED	P=0.162
MAX-ISO-POLY-3	P=0.197

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Date Report Requested: 01/28/2008

Test Type: CHRONIC-LIFETIME

Aspartame

Time Report Requested: 17:57:48

Route: DOSED FEED

CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
 TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Males					
	100000 PPM	50000 PPM	10000 PPM	2000 PPM	400 PPM	80 PPM

Prostate  
 Leukemia Myeloid

TUMOR RATES

OVERALL (a)	0/97 (0%)	0/99 (0%)	1/100 (1%)	0/150 (0%)	0/147 (0%)	2/150 (1%)
POLY-3 RATE (b)	0/61.59	0/65.57	1/64.63	0/94.68	0/88.74	2/96.48
POLY-3 PERCENT (g)	0%	0%	1.6%	0%	0%	2.1%
TERMINAL (d)	0/25 (0%)	0/21 (0%)	0/21 (0%)	0/37 (0%)	0/34 (0%)	0/46 (0%)
FIRST INCIDENCE	---	---	641	---	---	589

STATISTICAL TESTS

LIFE TABLE	(e)	(e)	P=0.404	(e)	(e)	P=0.224
POLY 3	(e)	(e)	P=0.419	(e)	(e)	P=0.237
POLY 1.5	(e)	(e)	P=0.419	(e)	(e)	P=0.237
POLY 6	(e)	(e)	P=0.417	(e)	(e)	P=0.242
LOGISTIC REGRESSION	(e)	(e)	P=0.419	(e)	(e)	P=0.239
COCH-ARM / FISHERS	(e)	(e)	P=0.402	(e)	(e)	P=0.251
ORDER RESTRICTED	(e)	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	(e)

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Date Report Requested: 01/28/2008

Test Type: CHRONIC-LIFETIME

Aspartame

Time Report Requested: 17:57:48

Route: DOSED FEED

CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)

TERMINAL SACRIFICE AT 105 WEEKS

Males

DOSE 0 PPM

Prostate  
Leukemia Myeloid

TUMOR RATES

OVERALL (a)	0/149 (0%)
POLY-3 RATE (b)	0/97.17
POLY-3 PERCENT (g)	0%
TERMINAL (d)	0/33 (0%)
FIRST INCIDENCE	---

STATISTICAL TESTS

LIFE TABLE	P=0.351N
POLY 3	P=0.354N
POLY 1.5	P=0.361N
POLY 6	P=0.344N
LOGISTIC REGRESSION	P=0.368N
COCH-ARM / FISHERS	P=0.369N
ORDER RESTRICTED	P=0.388N
MAX-ISO-POLY-3	P=0.415N

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Date Report Requested: 01/28/2008

Test Type: CHRONIC-LIFETIME

Aspartame

Time Report Requested: 17:57:48

Route: DOSED FEED

CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
 TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Males					
	100000 PPM	50000 PPM	10000 PPM	2000 PPM	400 PPM	80 PPM

Salivary Glands  
 Leukemia Myeloid

TUMOR RATES

OVERALL (a)	0/99 (0%)	0/99 (0%)	0/99 (0%)	0/148 (0%)	0/148 (0%)	2/150 (1%)
POLY-3 RATE (b)	0/64.2	0/65.42	0/64.08	0/94.25	0/89.77	2/96.48
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	2.1%
TERMINAL (d)	0/27 (0%)	0/21 (0%)	0/21 (0%)	0/37 (0%)	0/34 (0%)	0/46 (0%)
FIRST INCIDENCE	---	---	---	---	---	589

STATISTICAL TESTS

LIFE TABLE	(e)	(e)	(e)	(e)	(e)	P=0.224
POLY 3	(e)	(e)	(e)	(e)	(e)	P=0.235
POLY 1.5	(e)	(e)	(e)	(e)	(e)	P=0.235
POLY 6	(e)	(e)	(e)	(e)	(e)	P=0.240
LOGISTIC REGRESSION	(e)	(e)	(e)	(e)	(e)	P=0.238
COCH-ARM / FISHERS	(e)	(e)	(e)	(e)	(e)	P=0.249
ORDER RESTRICTED	(e)	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	(e)



P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Date Report Requested: 01/28/2008

Test Type: CHRONIC-LIFETIME

Aspartame

Time Report Requested: 17:57:48

Route: DOSED FEED

CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)

TERMINAL SACRIFICE AT 105 WEEKS

Males

DOSE 0 PPM

Salivary Glands  
Leukemia Myeloid

TUMOR RATES

OVERALL (a)	0/150 (0%)
POLY-3 RATE (b)	0/97.86
POLY-3 PERCENT (g)	0%
TERMINAL (d)	0/33 (0%)
FIRST INCIDENCE	---

STATISTICAL TESTS

LIFE TABLE	P=0.391N
POLY 3	P=0.394N
POLY 1.5	P=0.400N
POLY 6	P=0.385N
LOGISTIC REGRESSION	P=0.404N
COCH-ARM / FISHERS	P=0.405N
ORDER RESTRICTED	P=0.276N
MAX-ISO-POLY-3	P=0.312N

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Date Report Requested: 01/28/2008

Test Type: CHRONIC-LIFETIME

Aspartame

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Route: DOSED FEED

CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
 TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Males					
	100000 PPM	50000 PPM	10000 PPM	2000 PPM	400 PPM	80 PPM
<b>Skeletal Muscle</b>						
<b>Leukemia Myeloid</b>						
<b>TUMOR RATES</b>	#	#	#	#	#	#
OVERALL (a)	1/100 (1%)	0/100 (0%)	1/100 (1%)	0/150 (0%)	0/150 (0%)	2/150 (1%)
POLY-3 RATE (b)	1/64.46	0/66.28	1/64.63	0/94.68	0/90.15	2/96.48
POLY-3 PERCENT (g)	1.6%	0%	1.6%	0%	0%	2.1%
TERMINAL (d)	0/27 (0%)	0/21 (0%)	0/21 (0%)	0/37 (0%)	0/34 (0%)	0/46 (0%)
FIRST INCIDENCE	710	---	641	---	---	589
<b>STATISTICAL TESTS</b>						
LIFE TABLE	P=0.454	(e)	P=0.404	(e)	(e)	P=0.224
POLY 3	P=0.417	(e)	P=0.417	(e)	(e)	P=0.235
POLY 1.5	P=0.417	(e)	P=0.418	(e)	(e)	P=0.235
POLY 6	P=0.420	(e)	P=0.416	(e)	(e)	P=0.240
LOGISTIC REGRESSION	P=0.430	(e)	P=0.417	(e)	(e)	P=0.238
COCH-ARM / FISHERS	P=0.400	(e)	P=0.400	(e)	(e)	P=0.249
ORDER RESTRICTED	(e)	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	(e)

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Date Report Requested: 01/28/2008

Test Type: CHRONIC-LIFETIME

Aspartame

Time Report Requested: 17:57:48

Route: DOSED FEED

CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)

TERMINAL SACRIFICE AT 105 WEEKS

Males

DOSE 0 PPM

Skeletal Muscle  
Leukemia Myeloid

TUMOR RATES	#
OVERALL (a)	0/150 (0%)
POLY-3 RATE (b)	0/97.86
POLY-3 PERCENT (g)	0%
TERMINAL (d)	0/33 (0%)
FIRST INCIDENCE	---

STATISTICAL TESTS

LIFE TABLE	P=0.450
POLY 3	P=0.437
POLY 1.5	P=0.432
POLY 6	P=0.449
LOGISTIC REGRESSION	P=0.431
COCH-ARM / FISHERS	P=0.425
ORDER RESTRICTED	P=0.245
MAX-ISO-POLY-3	P=0.281

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Date Report Requested: 01/28/2008

Test Type: CHRONIC-LIFETIME

Aspartame

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Route: DOSED FEED

CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
 TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Males					
	100000 PPM	50000 PPM	10000 PPM	2000 PPM	400 PPM	80 PPM
<b>Skin</b>						
<b>Fibrolipoma</b>						
<b>TUMOR RATES</b>	#	#	#	#	#	#
OVERALL (a)	0/100 (0%)	2/100 (2%)	1/100 (1%)	3/150 (2%)	1/150 (1%)	2/150 (1%)
POLY-3 RATE (b)	0/64.38	2/66.49	1/64.31	3/94.68	1/90.15	2/96.15
POLY-3 PERCENT (g)	0%	3%	1.6%	3.2%	1.1%	2.1%
TERMINAL (d)	0/27 (0%)	0/21 (0%)	1/21 (5%)	3/37 (8%)	1/34 (3%)	0/46 (0%)
FIRST INCIDENCE	---	696	730 (T)	730 (T)	730 (T)	623
<b>STATISTICAL TESTS</b>						
LIFE TABLE	P=0.283N	P=0.533	P=0.656N	P=0.552	P=0.490N	P=0.617N
POLY 3	P=0.335N	P=0.549	P=0.644N	P=0.485	P=0.528N	P=0.687
POLY 1.5	P=0.335N	P=0.543	P=0.641N	P=0.490	P=0.519N	P=0.687
POLY 6	P=0.330N	P=0.557	P=0.648N	P=0.483	P=0.538N	P=0.693N
LOGISTIC REGRESSION	(e)	P=0.550	P=0.656N	P=0.552	P=0.490N	P=0.688N
COCH-ARM / FISHERS	P=0.359N	P=0.525	P=0.649N	P=0.500	P=0.500N	P=0.689N
ORDER RESTRICTED	(e)	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	(e)

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Date Report Requested: 01/28/2008

Test Type: CHRONIC-LIFETIME

Aspartame

Time Report Requested: 17:57:48

Route: DOSED FEED

CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)

TERMINAL SACRIFICE AT 105 WEEKS

Males

DOSE 0 PPM

Skin  
Fibrolipoma

TUMOR RATES	#
OVERALL (a)	2/150 (1%)
POLY-3 RATE (b)	2/97.86
POLY-3 PERCENT (g)	2%
TERMINAL (d)	2/33 (6%)
FIRST INCIDENCE	730 (T)

STATISTICAL TESTS

LIFE TABLE	P=0.276N
POLY 3	P=0.280N
POLY 1.5	P=0.286N
POLY 6	P=0.269N
LOGISTIC REGRESSION	P=0.264N
COCH-ARM / FISHERS	P=0.294N
ORDER RESTRICTED	P=0.328N
MAX-ISO-POLY-3	P=0.360N

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Date Report Requested: 01/28/2008

Test Type: CHRONIC-LIFETIME

Aspartame

Time Report Requested: 17:57:48

Route: DOSED FEED

CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
 TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Males					
	100000 PPM	50000 PPM	10000 PPM	2000 PPM	400 PPM	80 PPM
<b>Skin</b>						
<b>Fibroma</b>						
<b>TUMOR RATES</b>	#	#	#	#	#	#
OVERALL (a)	1/100 (1%)	1/100 (1%)	1/100 (1%)	1/150 (1%)	5/150 (3%)	4/150 (3%)
POLY-3 RATE (b)	1/64.38	1/66.28	1/64.31	1/95.17	5/90.87	4/95.71
POLY-3 PERCENT (g)	1.6%	1.5%	1.6%	1.1%	5.5%	4.2%
TERMINAL (d)	1/27 (4%)	1/21 (5%)	1/21 (5%)	0/37 (0%)	3/34 (9%)	4/46 (9%)
FIRST INCIDENCE	730 (T)	730 (T)	730 (T)	580	601	730 (T)
<b>STATISTICAL TESTS</b>						
LIFE TABLE	P=0.583N	P=0.649N	P=0.656N	P=0.495N	P=0.205	P=0.477
POLY 3	P=0.644N	P=0.634N	P=0.644N	P=0.510N	P=0.191	P=0.328
POLY 1.5	P=0.643N	P=0.638N	P=0.642N	P=0.507N	P=0.201	P=0.331
POLY 6	P=0.639N	P=0.630N	P=0.649N	P=0.511N	P=0.182	P=0.334
LOGISTIC REGRESSION	P=0.607N	P=0.637N	P=0.662N	P=0.511N	P=0.177	P=0.409
COCH-ARM / FISHERS	P=0.649N	P=0.649N	P=0.649N	P=0.500N	P=0.224	P=0.342
ORDER RESTRICTED	(e)	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	(e)

**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**

Aspartame

CAS Number: 22839-47-0

Date Report Requested: 01/28/2008

Time Report Requested: 17:57:48

First Dose M/F: 06/27/97 / 06/27/97

Lab: CRC

Test Type: CHRONIC-LIFETIME

Route: DOSED FEED

Species/Strain: RATS/SD

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
TERMINAL SACRIFICE AT 105 WEEKS**

---

**Males**

**DOSE**                      **0 PPM**

---

**Skin  
Fibroma**

---

<b>TUMOR RATES</b>	#
OVERALL (a)	2/150 (1%)
POLY-3 RATE (b)	2/97.97
POLY-3 PERCENT (g)	2%
TERMINAL (d)	1/33 (3%)
FIRST INCIDENCE	701

.....  
**STATISTICAL TESTS**

LIFE TABLE	P=0.238N
POLY 3	P=0.244N
POLY 1.5	P=0.249N
POLY 6	P=0.237N
LOGISTIC REGRESSION	P=0.224N
COCH-ARM / FISHERS	P=0.253N
ORDER RESTRICTED	P=0.331N
MAX-ISO-POLY-3	P=0.363N

.....

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Date Report Requested: 01/28/2008

Test Type: CHRONIC-LIFETIME

Aspartame

Time Report Requested: 17:57:48

Route: DOSED FEED

CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
 TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Males					
	100000 PPM	50000 PPM	10000 PPM	2000 PPM	400 PPM	80 PPM

**Skin**  
 Fibroma, Fibrosarcoma, Sarcoma, Myxoma, Myxosarcoma, or Fibrous Histiocytoma

TUMOR RATES	#	#	#	#	#	#
OVERALL (a)	1/100 (1%)	1/100 (1%)	1/100 (1%)	2/150 (1%)	5/150 (3%)	4/150 (3%)
POLY-3 RATE (b)	1/64.38	1/66.28	1/64.31	2/95.17	5/90.87	4/95.71
POLY-3 PERCENT (g)	1.6%	1.5%	1.6%	2.1%	5.5%	4.2%
TERMINAL (d)	1/27 (4%)	1/21 (5%)	1/21 (5%)	1/37 (3%)	3/34 (9%)	4/46 (9%)
FIRST INCIDENCE	730 (T)	730 (T)	730 (T)	580	601	730 (T)

STATISTICAL TESTS

LIFE TABLE	P=0.412N	P=0.457N	P=0.469N	P=0.494N	P=0.330	P=0.625
POLY 3	P=0.466N	P=0.455N	P=0.466N	P=0.515N	P=0.317	P=0.485
POLY 1.5	P=0.464N	P=0.458N	P=0.463N	P=0.510N	P=0.331	P=0.489
POLY 6	P=0.461N	P=0.451N	P=0.473N	P=0.517N	P=0.304	P=0.491
LOGISTIC REGRESSION	P=0.451N	P=0.446N	P=0.473N	P=0.515N	P=0.302	P=0.526
COCH-ARM / FISHERS	P=0.475N	P=0.475N	P=0.475N	P=0.500N	P=0.361	P=0.500
ORDER RESTRICTED	(e)	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	(e)



P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Date Report Requested: 01/28/2008

Test Type: CHRONIC-LIFETIME

Aspartame

Time Report Requested: 17:57:48

Route: DOSED FEED

CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
TERMINAL SACRIFICE AT 105 WEEKS

Males

DOSE 0 PPM

Skin  
Fibroma, Fibrosarcoma, Sarcoma, Myxoma, Myxosarcoma, or Fibrous Histiocytoma

TUMOR RATES	#
OVERALL (a)	3/150 (2%)
POLY-3 RATE (b)	3/98.35
POLY-3 PERCENT (g)	3.1%
TERMINAL (d)	1/33 (3%)
FIRST INCIDENCE	624

STATISTICAL TESTS

LIFE TABLE	P=0.175N
POLY 3	P=0.179N
POLY 1.5	P=0.184N
POLY 6	P=0.173N
LOGISTIC REGRESSION	P=0.165N
COCH-ARM / FISHERS	P=0.189N
ORDER RESTRICTED	P=0.324N
MAX-ISO-POLY-3	P=0.350N

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Date Report Requested: 01/28/2008

Test Type: CHRONIC-LIFETIME

Aspartame

Time Report Requested: 17:57:48

Route: DOSED FEED

CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
 TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Males					
	100000 PPM	50000 PPM	10000 PPM	2000 PPM	400 PPM	80 PPM
<b>Skin</b>						
<b>Fibrosarcoma</b>						
<b>TUMOR RATES</b>	#	#	#	#	#	#
OVERALL (a)	0/100 (0%)	0/100 (0%)	0/100 (0%)	1/150 (1%)	0/150 (0%)	0/150 (0%)
POLY-3 RATE (b)	0/64.38	0/66.28	0/64.31	1/94.68	0/90.15	0/95.71
POLY-3 PERCENT (g)	0%	0%	0%	1.1%	0%	0%
TERMINAL (d)	0/27 (0%)	0/21 (0%)	0/21 (0%)	1/37 (3%)	0/34 (0%)	0/46 (0%)
FIRST INCIDENCE	---	---	---	730 (T)	---	---
<b>STATISTICAL TESTS</b>						
LIFE TABLE	P=0.583N	P=0.559N	P=0.569N	P=0.758N	P=0.532N	P=0.518N
POLY 3	P=0.584N	P=0.579N	P=0.584N	P=0.753	P=0.517N	P=0.505N
POLY 1.5	P=0.583N	P=0.581N	P=0.583N	P=0.755	P=0.511N	P=0.504N
POLY 6	P=0.582N	P=0.577N	P=0.588N	P=0.751	P=0.523N	P=0.503N
LOGISTIC REGRESSION	P=0.582N	P=0.581N	P=0.582N	P=0.754	P=0.507N	P=0.502N
COCH-ARM / FISHERS	P=0.600N	P=0.600N	P=0.600N	P=0.751N	P=0.500N	P=0.500N
ORDER RESTRICTED	(e)	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	(e)

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Date Report Requested: 01/28/2008

Test Type: CHRONIC-LIFETIME

Aspartame

Time Report Requested: 17:57:48

Route: DOSED FEED

CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
TERMINAL SACRIFICE AT 105 WEEKS

Males

DOSE 0 PPM

Skin  
Fibrosarcoma

TUMOR RATES	#
OVERALL (a)	1/150 (1%)
POLY-3 RATE (b)	1/98.23
POLY-3 PERCENT (g)	1%
TERMINAL (d)	0/33 (0%)
FIRST INCIDENCE	624

STATISTICAL TESTS

LIFE TABLE	P=0.409N
POLY 3	P=0.405N
POLY 1.5	P=0.411N
POLY 6	P=0.401N
LOGISTIC REGRESSION	P=0.412N
COCH-ARM / FISHERS	P=0.420N
ORDER RESTRICTED	P=0.282N
MAX-ISO-POLY-3	P=0.318N

**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**

**Date Report Requested:** 01/28/2008

**Test Type:** CHRONIC-LIFETIME

Aspartame

**Time Report Requested:** 17:57:48

**Route:** DOSED FEED

**CAS Number:** 22839-47-0

**First Dose M/F:** 06/27/97 / 06/27/97

**Species/Strain:** RATS/SD

**Lab:** CRC

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males					
	100000 PPM	50000 PPM	10000 PPM	2000 PPM	400 PPM	80 PPM
<b>Skin</b>						
<b>Leukemia Lymphoblastic</b>						
<b>TUMOR RATES</b>	#	#	#	#	#	#
OVERALL (a)	0/100 (0%)	0/100 (0%)	0/100 (0%)	0/150 (0%)	0/150 (0%)	0/150 (0%)
POLY-3 RATE (b)	0/64.38	0/66.28	0/64.31	0/94.68	0/90.15	0/95.71
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	0%
TERMINAL (d)	0/27 (0%)	0/21 (0%)	0/21 (0%)	0/37 (0%)	0/34 (0%)	0/46 (0%)
FIRST INCIDENCE	---	---	---	---	---	---
<b>STATISTICAL TESTS</b>						
LIFE TABLE	(e)	(e)	(e)	(e)	(e)	(e)
POLY 3	(e)	(e)	(e)	(e)	(e)	(e)
POLY 1.5	(e)	(e)	(e)	(e)	(e)	(e)
POLY 6	(e)	(e)	(e)	(e)	(e)	(e)
LOGISTIC REGRESSION	(e)	(e)	(e)	(e)	(e)	(e)
COCH-ARM / FISHERS	(e)	(e)	(e)	(e)	(e)	(e)
ORDER RESTRICTED	(e)	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	(e)

**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**

Aspartame

CAS Number: 22839-47-0

Date Report Requested: 01/28/2008

Time Report Requested: 17:57:48

First Dose M/F: 06/27/97 / 06/27/97

Lab: CRC

Test Type: CHRONIC-LIFETIME

Route: DOSED FEED

Species/Strain: RATS/SD

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)**

**TERMINAL SACRIFICE AT 105 WEEKS**

---

**Males**

**DOSE**                      **0 PPM**

---

**Skin**  
**Leukemia Lymphoblastic**

---

<b>TUMOR RATES</b>	#
OVERALL (a)	0/150 (0%)
POLY-3 RATE (b)	0/97.86
POLY-3 PERCENT (g)	0%
TERMINAL (d)	0/33 (0%)
FIRST INCIDENCE	---

---

**STATISTICAL TESTS**

LIFE TABLE	(e)
POLY 3	(e)
POLY 1.5	(e)
POLY 6	(e)
LOGISTIC REGRESSION	(e)
COCH-ARM / FISHERS	(e)
ORDER RESTRICTED	(e)
MAX-ISO-POLY-3	(e)

---

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Date Report Requested: 01/28/2008

Test Type: CHRONIC-LIFETIME

Aspartame

Time Report Requested: 17:57:48

Route: DOSED FEED

CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
 TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Males					
	100000 PPM	50000 PPM	10000 PPM	2000 PPM	400 PPM	80 PPM
<b>Skin</b>						
<b>Leukemia Myeloid</b>						
<b>TUMOR RATES</b>	#	#	#	#	#	#
OVERALL (a)	0/100 (0%)	0/100 (0%)	0/100 (0%)	0/150 (0%)	0/150 (0%)	2/150 (1%)
POLY-3 RATE (b)	0/64.38	0/66.28	0/64.31	0/94.68	0/90.15	2/96.48
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	2.1%
TERMINAL (d)	0/27 (0%)	0/21 (0%)	0/21 (0%)	0/37 (0%)	0/34 (0%)	0/46 (0%)
FIRST INCIDENCE	---	---	---	---	---	589
<b>STATISTICAL TESTS</b>						
LIFE TABLE	(e)	(e)	(e)	(e)	(e)	P=0.224
POLY 3	(e)	(e)	(e)	(e)	(e)	P=0.235
POLY 1.5	(e)	(e)	(e)	(e)	(e)	P=0.235
POLY 6	(e)	(e)	(e)	(e)	(e)	P=0.240
LOGISTIC REGRESSION	(e)	(e)	(e)	(e)	(e)	P=0.238
COCH-ARM / FISHERS	(e)	(e)	(e)	(e)	(e)	P=0.249
ORDER RESTRICTED	(e)	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	(e)

Test Type: CHRONIC-LIFETIME

Aspartame

Time Report Requested: 17:57:48

Route: DOSED FEED

CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
 TERMINAL SACRIFICE AT 105 WEEKS

Males

DOSE 0 PPM

Skin  
 Leukemia Myeloid

TUMOR RATES	#
OVERALL (a)	0/150 (0%)
POLY-3 RATE (b)	0/97.86
POLY-3 PERCENT (g)	0%
TERMINAL (d)	0/33 (0%)
FIRST INCIDENCE	---

STATISTICAL TESTS

LIFE TABLE	P=0.391N
POLY 3	P=0.390N
POLY 1.5	P=0.397N
POLY 6	P=0.379N
LOGISTIC REGRESSION	P=0.403N
COCH-ARM / FISHERS	P=0.404N
ORDER RESTRICTED	P=0.276N
MAX-ISO-POLY-3	P=0.312N

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Date Report Requested: 01/28/2008

Test Type: CHRONIC-LIFETIME

Aspartame

Time Report Requested: 17:57:48

Route: DOSED FEED

CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
 TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Males					
	100000 PPM	50000 PPM	10000 PPM	2000 PPM	400 PPM	80 PPM
<b>Skin</b>						
<b>Lipoma</b>						
<b>TUMOR RATES</b>	#	#	#	#	#	#
OVERALL (a)	0/100 (0%)	1/100 (1%)	1/100 (1%)	8/150 (5%)	5/150 (3%)	2/150 (1%)
POLY-3 RATE (b)	0/64.38	1/66.28	1/65.05	8/94.97	5/90.93	2/95.83
POLY-3 PERCENT (g)	0%	1.5%	1.5%	8.4%	5.5%	2.1%
TERMINAL (d)	0/27 (0%)	1/21 (5%)	0/21 (0%)	7/37 (19%)	3/34 (9%)	1/46 (2%)
FIRST INCIDENCE	---	730 (T)	468	651	577	698
<b>STATISTICAL TESTS</b>						
LIFE TABLE	P=0.342N	P=0.637N	P=0.660N	P=0.060	P=0.198	P=0.669N
POLY 3	P=0.336N	P=0.636N	P=0.642N	P=0.045*	P=0.189	P=0.683
POLY 1.5	P=0.335N	P=0.639N	P=0.640N	P=0.048*	P=0.200	P=0.685
POLY 6	P=0.334N	P=0.634N	P=0.646N	P=0.042*	P=0.179	P=0.688
LOGISTIC REGRESSION	P=0.334N	P=0.632N	P=0.637N	P=0.046*	P=0.185	P=0.690
COCH-ARM / FISHERS	P=0.359N	P=0.649N	P=0.649N	P=0.052	P=0.224	P=0.689N
ORDER RESTRICTED	(e)	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	(e)



**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**

Aspartame

CAS Number: 22839-47-0

Date Report Requested: 01/28/2008

Time Report Requested: 17:57:48

First Dose M/F: 06/27/97 / 06/27/97

Lab: CRC

Test Type: CHRONIC-LIFETIME

Route: DOSED FEED

Species/Strain: RATS/SD

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)**

**TERMINAL SACRIFICE AT 105 WEEKS**

---

**Males**

**DOSE**                      **0 PPM**

---

**Skin**  
**Lipoma**

---

<b>TUMOR RATES</b>	<b>#</b>
OVERALL (a)	2/150 (1%)
POLY-3 RATE (b)	2/98.46
POLY-3 PERCENT (g)	2%
TERMINAL (d)	0/33 (0%)
FIRST INCIDENCE	644

---

**STATISTICAL TESTS**

LIFE TABLE	P=0.040N*
POLY 3	P=0.039N*
POLY 1.5	P=0.040N*
POLY 6	P=0.037N*
LOGISTIC REGRESSION	P=0.036N*
COCH-ARM / FISHERS	P=0.043N*
ORDER RESTRICTED	P=0.113N
MAX-ISO-POLY-3	P=0.075N

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P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Date Report Requested: 01/28/2008

Test Type: CHRONIC-LIFETIME

Aspartame

Time Report Requested: 17:57:48

Route: DOSED FEED

CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
 TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Males					
	100000 PPM	50000 PPM	10000 PPM	2000 PPM	400 PPM	80 PPM
<b>Spleen Fibroangioma</b>						
<b>TUMOR RATES</b>						
OVERALL (a)	4/99 (4%)	1/100 (1%)	0/100 (0%)	1/150 (1%)	1/147 (1%)	0/149 (0%)
POLY-3 RATE (b)	4/64.96	1/66.33	0/64.31	1/94.68	1/88.93	0/94.71
POLY-3 PERCENT (g)	6.2%	1.5%	0%	1.1%	1.1%	0%
TERMINAL (d)	1/27 (4%)	0/21 (0%)	0/21 (0%)	1/37 (3%)	1/33 (3%)	0/45 (0%)
FIRST INCIDENCE	585	716	---	730 (T)	730 (T)	---
<b>STATISTICAL TESTS</b>						
LIFE TABLE	P=0.035*	P=0.411	(e)	P=0.523	P=0.500	(e)
POLY 3	P=0.024*	P=0.426	(e)	P=0.497	P=0.485	(e)
POLY 1.5	P=0.024*	P=0.423	(e)	P=0.499	P=0.489	(e)
POLY 6	P=0.026*	P=0.429	(e)	P=0.497	P=0.479	(e)
LOGISTIC REGRESSION	P=0.026*	P=0.427	(e)	P=0.523	P=0.500	(e)
COCH-ARM / FISHERS	P=0.025*	P=0.403	(e)	P=0.503	P=0.498	(e)
ORDER RESTRICTED	(e)	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	(e)

Test Type: CHRONIC-LIFETIME

Aspartame

Time Report Requested: 17:57:48

Route: DOSED FEED

CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
 TERMINAL SACRIFICE AT 105 WEEKS

Males

DOSE 0 PPM

Spleen  
 Fibroangioma

TUMOR RATES

OVERALL (a)	0/148 (0%)
POLY-3 RATE (b)	0/96.1
POLY-3 PERCENT (g)	0%
TERMINAL (d)	0/33 (0%)
FIRST INCIDENCE	---

STATISTICAL TESTS

LIFE TABLE	P<0.001**
POLY 3	P<0.001**
POLY 1.5	P<0.001**
POLY 6	P<0.001**
LOGISTIC REGRESSION	P<0.001**
COCH-ARM / FISHERS	P<0.001**
ORDER RESTRICTED	P<0.001**
MAX-ISO-POLY-3	P<0.001**

**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**

**Date Report Requested:** 01/28/2008

**Test Type:** CHRONIC-LIFETIME

Aspartame

**Time Report Requested:** 17:57:48

**Route:** DOSED FEED

**CAS Number:** 22839-47-0

**First Dose M/F:** 06/27/97 / 06/27/97

**Species/Strain:** RATS/SD

**Lab:** CRC

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males					
	100000 PPM	50000 PPM	10000 PPM	2000 PPM	400 PPM	80 PPM
<b>Spleen Fibroma</b>						
<b>TUMOR RATES</b>						
OVERALL (a)	0/99 (0%)	0/100 (0%)	1/100 (1%)	0/150 (0%)	1/147 (1%)	0/149 (0%)
POLY-3 RATE (b)	0/64.2	0/66.28	1/64.31	0/94.68	1/88.93	0/94.71
POLY-3 PERCENT (g)	0%	0%	1.6%	0%	1.1%	0%
TERMINAL (d)	0/27 (0%)	0/21 (0%)	0/21 (0%)	0/37 (0%)	1/33 (3%)	0/45 (0%)
FIRST INCIDENCE	---	---	729	---	730 (T)	---
<b>STATISTICAL TESTS</b>						
LIFE TABLE	(e)	(e)	P=0.413	(e)	P=0.500	(e)
POLY 3	(e)	(e)	P=0.420	(e)	P=0.485	(e)
POLY 1.5	(e)	(e)	P=0.421	(e)	P=0.489	(e)
POLY 6	(e)	(e)	P=0.418	(e)	P=0.479	(e)
LOGISTIC REGRESSION	(e)	(e)	P=0.410	(e)	P=0.500	(e)
COCH-ARM / FISHERS	(e)	(e)	P=0.403	(e)	P=0.498	(e)
ORDER RESTRICTED	(e)	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	(e)

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Date Report Requested: 01/28/2008

Test Type: CHRONIC-LIFETIME

Aspartame

Time Report Requested: 17:57:48

Route: DOSED FEED

CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
TERMINAL SACRIFICE AT 105 WEEKS

Males

DOSE 0 PPM

Spleen  
Fibroma

TUMOR RATES

OVERALL (a)	0/148 (0%)
POLY-3 RATE (b)	0/96.1
POLY-3 PERCENT (g)	0%
TERMINAL (d)	0/33 (0%)
FIRST INCIDENCE	---

STATISTICAL TESTS

LIFE TABLE	P=0.486N
POLY 3	P=0.485N
POLY 1.5	P=0.488N
POLY 6	P=0.485N
LOGISTIC REGRESSION	(e)
COCH-ARM / FISHERS	P=0.491N
ORDER RESTRICTED	P=0.565
MAX-ISO-POLY-3	P=0.578

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Date Report Requested: 01/28/2008

Test Type: CHRONIC-LIFETIME

Aspartame

Time Report Requested: 17:57:48

Route: DOSED FEED

CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
 TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Males					
	100000 PPM	50000 PPM	10000 PPM	2000 PPM	400 PPM	80 PPM

Spleen  
 Hemangiosarcoma

TUMOR RATES

OVERALL (a)	2/99 (2%)	0/100 (0%)	0/100 (0%)	1/150 (1%)	0/147 (0%)	0/149 (0%)
POLY-3 RATE (b)	2/64.36	0/66.28	0/64.31	1/95	0/88.93	0/94.71
POLY-3 PERCENT (g)	3.1%	0%	0%	1.1%	0%	0%
TERMINAL (d)	1/27 (4%)	0/21 (0%)	0/21 (0%)	0/37 (0%)	0/33 (0%)	0/45 (0%)
FIRST INCIDENCE	687	---	---	641	---	---

STATISTICAL TESTS

LIFE TABLE	P=0.421	P=0.590N	P=0.590N	P=0.759N	P=0.500N	P=0.438N
POLY 3	P=0.362	P=0.574N	P=0.580N	P=0.758	P=0.515N	P=0.503N
POLY 1.5	P=0.361	P=0.577N	P=0.579N	P=0.760	P=0.511N	P=0.502N
POLY 6	P=0.370	P=0.571N	P=0.582N	P=0.759	P=0.521N	P=0.500N
LOGISTIC REGRESSION	P=0.392	(e)	(e)	P=0.758	(e)	(e)
COCH-ARM / FISHERS	P=0.353	P=0.597N	P=0.597N	P=0.747N	P=0.502N	P=0.498N
ORDER RESTRICTED	(e)	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	(e)

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Date Report Requested: 01/28/2008

Test Type: CHRONIC-LIFETIME

Aspartame

Time Report Requested: 17:57:48

Route: DOSED FEED

CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)

TERMINAL SACRIFICE AT 105 WEEKS

Males

DOSE 0 PPM

Spleen Hemangiosarcoma

TUMOR RATES

OVERALL (a)	1/148 (1%)
POLY-3 RATE (b)	1/96.1
POLY-3 PERCENT (g)	1%
TERMINAL (d)	1/33 (3%)
FIRST INCIDENCE	730 (T)

STATISTICAL TESTS

LIFE TABLE	P=0.068
POLY 3	P=0.059
POLY 1.5	P=0.057
POLY 6	P=0.061
LOGISTIC REGRESSION	P=0.065
COCH-ARM / FISHERS	P=0.055
ORDER RESTRICTED	P=0.038*
MAX-ISO-POLY-3	P=0.057

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Date Report Requested: 01/28/2008

Test Type: CHRONIC-LIFETIME

Aspartame

Time Report Requested: 17:57:48

Route: DOSED FEED

CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
 TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Males					
	100000 PPM	50000 PPM	10000 PPM	2000 PPM	400 PPM	80 PPM

Spleen  
 Leukemia Lymphoblastic

TUMOR RATES

OVERALL (a)	0/99 (0%)	0/100 (0%)	1/100 (1%)	0/150 (0%)	0/147 (0%)	0/149 (0%)
POLY-3 RATE (b)	0/64.2	0/66.28	1/65.28	0/94.68	0/88.93	0/94.71
POLY-3 PERCENT (g)	0%	0%	1.5%	0%	0%	0%
TERMINAL (d)	0/27 (0%)	0/21 (0%)	0/21 (0%)	0/37 (0%)	0/33 (0%)	0/45 (0%)
FIRST INCIDENCE	---	---	218	---	---	---

STATISTICAL TESTS

LIFE TABLE	P=0.600N	P=0.582N	P=0.666	P=0.505N	P=0.510N	P=0.512N
POLY 3	P=0.582N	P=0.576N	P=0.671	P=0.504N	P=0.517N	P=0.504N
POLY 1.5	P=0.582N	P=0.578N	P=0.671	P=0.502N	P=0.512N	P=0.503N
POLY 6	P=0.579N	P=0.573N	P=0.669	P=0.506N	P=0.523N	P=0.502N
LOGISTIC REGRESSION	P=0.581N	P=0.563N	P=0.696	P=0.481N	P=0.467N	P=0.481N
COCH-ARM / FISHERS	P=0.599N	P=0.597N	P=0.645	P=0.497N	P=0.502N	P=0.498N
ORDER RESTRICTED	(e)	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	(e)



**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**

Aspartame

CAS Number: 22839-47-0

Date Report Requested: 01/28/2008

Time Report Requested: 17:57:48

First Dose M/F: 06/27/97 / 06/27/97

Lab: CRC

Test Type: CHRONIC-LIFETIME

Route: DOSED FEED

Species/Strain: RATS/SD

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)**

**TERMINAL SACRIFICE AT 105 WEEKS**

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**Males**

**DOSE**                      **0 PPM**

---

**Spleen**  
**Leukemia Lymphoblastic**

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**TUMOR RATES**

OVERALL (a)	1/148 (1%)
POLY-3 RATE (b)	1/96.77
POLY-3 PERCENT (g)	1%
TERMINAL (d)	0/33 (0%)
FIRST INCIDENCE	504

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**STATISTICAL TESTS**

LIFE TABLE	P=0.491N
POLY 3	P=0.470N
POLY 1.5	P=0.477N
POLY 6	P=0.465N
LOGISTIC REGRESSION	P=0.531N
COCH-ARM / FISHERS	P=0.488N
ORDER RESTRICTED	P=0.277N
MAX-ISO-POLY-3	P=0.312N

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P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Date Report Requested: 01/28/2008

Test Type: CHRONIC-LIFETIME

Aspartame

Time Report Requested: 17:57:48

Route: DOSED FEED

CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
 TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Males					
	100000 PPM	50000 PPM	10000 PPM	2000 PPM	400 PPM	80 PPM
<b>Spleen</b>						
<b>Leukemia Monocytic</b>						
<b>TUMOR RATES</b>						
OVERALL (a)	1/99 (1%)	1/100 (1%)	2/100 (2%)	5/150 (3%)	1/147 (1%)	2/149 (1%)
POLY-3 RATE (b)	1/64.2	1/66.28	2/65.08	5/96.61	1/89.28	2/94.71
POLY-3 PERCENT (g)	1.6%	1.5%	3.1%	5.2%	1.1%	2.1%
TERMINAL (d)	1/27 (4%)	1/21 (5%)	0/21 (0%)	2/37 (5%)	0/33 (0%)	2/45 (4%)
FIRST INCIDENCE	730 (T)	730 (T)	609	458	632	730 (T)
<b>STATISTICAL TESTS</b>						
LIFE TABLE	P=0.460	P=0.410	P=0.167	P=0.037*	P=0.475	P=0.309
POLY 3	P=0.419	P=0.426	P=0.157	P=0.034*	P=0.485	P=0.235
POLY 1.5	P=0.419	P=0.423	P=0.157	P=0.035*	P=0.490	P=0.236
POLY 6	P=0.423	P=0.429	P=0.157	P=0.035*	P=0.481	P=0.238
LOGISTIC REGRESSION	P=0.460	P=0.410	P=0.157	P=0.037*	P=0.491	P=0.309
COCH-ARM / FISHERS	P=0.401	P=0.403	P=0.162	P=0.031*	P=0.498	P=0.251
ORDER RESTRICTED	(e)	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	(e)

Test Type: CHRONIC-LIFETIME

Aspartame

Time Report Requested: 17:57:48

Route: DOSED FEED

CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
 TERMINAL SACRIFICE AT 105 WEEKS

Males

DOSE 0 PPM

Spleen  
 Leukemia Monocytic

TUMOR RATES

OVERALL (a)	0/148 (0%)
POLY-3 RATE (b)	0/96.1
POLY-3 PERCENT (g)	0%
TERMINAL (d)	0/33 (0%)
FIRST INCIDENCE	---

STATISTICAL TESTS

LIFE TABLE	P=0.441N
POLY 3	P=0.434N
POLY 1.5	P=0.443N
POLY 6	P=0.421N
LOGISTIC REGRESSION	P=0.440N
COCH-ARM / FISHERS	P=0.454N
ORDER RESTRICTED	P=0.180
MAX-ISO-POLY-3	P=0.214

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Date Report Requested: 01/28/2008

Test Type: CHRONIC-LIFETIME

Aspartame

Time Report Requested: 17:57:48

Route: DOSED FEED

CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
 TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Males					
	100000 PPM	50000 PPM	10000 PPM	2000 PPM	400 PPM	80 PPM

Spleen  
 Leukemia Myeloid

TUMOR RATES

OVERALL (a)	1/99 (1%)	0/100 (0%)	1/100 (1%)	0/150 (0%)	0/147 (0%)	2/149 (1%)
POLY-3 RATE (b)	1/64.28	0/66.28	1/64.63	0/94.68	0/88.93	2/95.48
POLY-3 PERCENT (g)	1.6%	0%	1.6%	0%	0%	2.1%
TERMINAL (d)	0/27 (0%)	0/21 (0%)	0/21 (0%)	0/37 (0%)	0/33 (0%)	0/45 (0%)
FIRST INCIDENCE	710	---	641	---	---	589

STATISTICAL TESTS

LIFE TABLE	P=0.690	P=0.581N	P=0.657	P=0.501N	P=0.504N	P=0.484
POLY 3	P=0.667	P=0.576N	P=0.668	P=0.505N	P=0.517N	P=0.495
POLY 1.5	P=0.666	P=0.578N	P=0.669	P=0.502N	P=0.512N	P=0.495
POLY 6	P=0.672	P=0.573N	P=0.666	P=0.506N	P=0.523N	P=0.501
LOGISTIC REGRESSION	P=0.671	P=0.497N	P=0.677	P=0.450N	P=0.388N	P=0.523
COCH-ARM / FISHERS	P=0.642	P=0.597N	P=0.645	P=0.497N	P=0.502N	P=0.503
ORDER RESTRICTED	(e)	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	(e)

**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**

Aspartame

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First Dose M/F: 06/27/97 / 06/27/97

Lab: CRC

Test Type: CHRONIC-LIFETIME

Route: DOSED FEED

Species/Strain: RATS/SD

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
TERMINAL SACRIFICE AT 105 WEEKS**

---

**Males**

**DOSE**                      **0 PPM**

---

**Spleen  
Leukemia Myeloid**

---

**TUMOR RATES**

OVERALL (a)	1/148 (1%)
POLY-3 RATE (b)	1/96.97
POLY-3 PERCENT (g)	1%
TERMINAL (d)	0/33 (0%)
FIRST INCIDENCE	368

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**STATISTICAL TESTS**

LIFE TABLE	P=0.553
POLY 3	P=0.549
POLY 1.5	P=0.542
POLY 6	P=0.561
LOGISTIC REGRESSION	P=0.530
COCH-ARM / FISHERS	P=0.532
ORDER RESTRICTED	P=0.486N
MAX-ISO-POLY-3	P=0.507N

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P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

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Aspartame

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Route: DOSED FEED

CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
 TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Males					
	100000 PPM	50000 PPM	10000 PPM	2000 PPM	400 PPM	80 PPM

Spleen  
 Lymphoma Lympho-immunoblastic

TUMOR RATES

OVERALL (a)	2/99 (2%)	7/100 (7%)	2/100 (2%)	5/150 (3%)	3/147 (2%)	1/149 (1%)
POLY-3 RATE (b)	2/64.8	7/68.63	2/64.31	5/95.61	3/89.82	1/95.28
POLY-3 PERCENT (g)	3.1%	10.2%	3.1%	5.2%	3.3%	1.1%
TERMINAL (d)	1/27 (4%)	1/21 (5%)	2/21 (10%)	1/37 (3%)	0/33 (0%)	0/45 (0%)
FIRST INCIDENCE	539	440	730 (T)	621	606	551

STATISTICAL TESTS

LIFE TABLE	P=0.165	P=0.002**	P=0.145	P=0.037*	P=0.099	P=0.491
POLY 3	P=0.156	P=0.002**	P=0.155	P=0.033*	P=0.110	P=0.498
POLY 1.5	P=0.155	P=0.002**	P=0.156	P=0.034*	P=0.113	P=0.498
POLY 6	P=0.160	P=0.002**	P=0.153	P=0.033*	P=0.107	P=0.502
LOGISTIC REGRESSION	P=0.155	P=0.002**	P=0.145	P=0.034*	P=0.111	P=0.510
COCH-ARM / FISHERS	P=0.160	P=0.002**	P=0.162	P=0.031*	P=0.122	P=0.502
ORDER RESTRICTED	(e)	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	(e)

Test Type: CHRONIC-LIFETIME

Aspartame

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CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
 TERMINAL SACRIFICE AT 105 WEEKS

Males

DOSE 0 PPM

Spleen  
 Lymphoma Lympho-immunoblastic

TUMOR RATES

OVERALL (a)	0/148 (0%)
POLY-3 RATE (b)	0/96.1
POLY-3 PERCENT (g)	0%
TERMINAL (d)	0/33 (0%)
FIRST INCIDENCE	---

STATISTICAL TESTS

LIFE TABLE	P=0.116
POLY 3	P=0.094
POLY 1.5	P=0.093
POLY 6	P=0.101
LOGISTIC REGRESSION	P=0.100
COCH-ARM / FISHERS	P=0.092
ORDER RESTRICTED	P=0.020*
MAX-ISO-POLY-3	P=0.031*

**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**

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**Test Type:** CHRONIC-LIFETIME

Aspartame

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**CAS Number:** 22839-47-0

**First Dose M/F:** 06/27/97 / 06/27/97

**Species/Strain:** RATS/SD

**Lab:** CRC

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males					
	100000 PPM	50000 PPM	10000 PPM	2000 PPM	400 PPM	80 PPM

**Spleen  
Lymphoma Lymphoblastic**

**TUMOR RATES**

OVERALL (a)	0/99 (0%)	0/100 (0%)	0/100 (0%)	0/150 (0%)	0/147 (0%)	0/149 (0%)
POLY-3 RATE (b)	0/64.2	0/66.28	0/64.31	0/94.68	0/88.93	0/94.71
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	0%
TERMINAL (d)	0/27 (0%)	0/21 (0%)	0/21 (0%)	0/37 (0%)	0/33 (0%)	0/45 (0%)
FIRST INCIDENCE	---	---	---	---	---	---

**STATISTICAL TESTS**

LIFE TABLE	(e)	(e)	(e)	(e)	(e)	(e)
POLY 3	(e)	(e)	(e)	(e)	(e)	(e)
POLY 1.5	(e)	(e)	(e)	(e)	(e)	(e)
POLY 6	(e)	(e)	(e)	(e)	(e)	(e)
LOGISTIC REGRESSION	(e)	(e)	(e)	(e)	(e)	(e)
COCH-ARM / FISHERS	(e)	(e)	(e)	(e)	(e)	(e)
ORDER RESTRICTED	(e)	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	(e)



P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Date Report Requested: 01/28/2008

Test Type: CHRONIC-LIFETIME

Aspartame

Time Report Requested: 17:57:48

Route: DOSED FEED

CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)

TERMINAL SACRIFICE AT 105 WEEKS

Males

DOSE 0 PPM

Spleen  
Lymphoma Lymphoblastic

TUMOR RATES

OVERALL (a)	0/148 (0%)
POLY-3 RATE (b)	0/96.1
POLY-3 PERCENT (g)	0%
TERMINAL (d)	0/33 (0%)
FIRST INCIDENCE	---

STATISTICAL TESTS

LIFE TABLE	(e)
POLY 3	(e)
POLY 1.5	(e)
POLY 6	(e)
LOGISTIC REGRESSION	(e)
COCH-ARM / FISHERS	(e)
ORDER RESTRICTED	(e)
MAX-ISO-POLY-3	(e)

**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**

**Date Report Requested:** 01/28/2008

**Test Type:** CHRONIC-LIFETIME

Aspartame

**Time Report Requested:** 17:57:48

**Route:** DOSED FEED

**CAS Number:** 22839-47-0

**First Dose M/F:** 06/27/97 / 06/27/97

**Species/Strain:** RATS/SD

**Lab:** CRC

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
TERMINAL SACRIFICE AT 105 WEEKS**

---

DOSE	Males					
	100000 PPM	50000 PPM	10000 PPM	2000 PPM	400 PPM	80 PPM

---

**Spleen  
Lymphoma Lymphocytic**

**TUMOR RATES**

OVERALL (a)	0/99 (0%)	0/100 (0%)	0/100 (0%)	0/150 (0%)	0/147 (0%)	0/149 (0%)
POLY-3 RATE (b)	0/64.2	0/66.28	0/64.31	0/94.68	0/88.93	0/94.71
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	0%
TERMINAL (d)	0/27 (0%)	0/21 (0%)	0/21 (0%)	0/37 (0%)	0/33 (0%)	0/45 (0%)
FIRST INCIDENCE	---	---	---	---	---	---

**STATISTICAL TESTS**

LIFE TABLE	(e)	(e)	(e)	(e)	(e)	(e)
POLY 3	(e)	(e)	(e)	(e)	(e)	(e)
POLY 1.5	(e)	(e)	(e)	(e)	(e)	(e)
POLY 6	(e)	(e)	(e)	(e)	(e)	(e)
LOGISTIC REGRESSION	(e)	(e)	(e)	(e)	(e)	(e)
COCH-ARM / FISHERS	(e)	(e)	(e)	(e)	(e)	(e)
ORDER RESTRICTED	(e)	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	(e)

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P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Date Report Requested: 01/28/2008

Test Type: CHRONIC-LIFETIME

Aspartame

Time Report Requested: 17:57:48

Route: DOSED FEED

CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
TERMINAL SACRIFICE AT 105 WEEKS

Males

DOSE 0 PPM

Spleen  
Lymphoma Lymphocytic

TUMOR RATES

OVERALL (a)	0/148 (0%)
POLY-3 RATE (b)	0/96.1
POLY-3 PERCENT (g)	0%
TERMINAL (d)	0/33 (0%)
FIRST INCIDENCE	---

STATISTICAL TESTS

LIFE TABLE	(e)
POLY 3	(e)
POLY 1.5	(e)
POLY 6	(e)
LOGISTIC REGRESSION	(e)
COCH-ARM / FISHERS	(e)
ORDER RESTRICTED	(e)
MAX-ISO-POLY-3	(e)

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Date Report Requested: 01/28/2008

Test Type: CHRONIC-LIFETIME

Aspartame

Time Report Requested: 17:57:48

Route: DOSED FEED

CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
 TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Males					
	100000 PPM	50000 PPM	10000 PPM	2000 PPM	400 PPM	80 PPM

Stomach, Forestomach  
 Squamous Cell Carcinoma or Papilloma Squamous

TUMOR RATES	#	#	#	#	#	#
OVERALL (a)	3/100 (3%)	4/100 (4%)	2/100 (2%)	3/150 (2%)	2/150 (1%)	1/150 (1%)
POLY-3 RATE (b)	3/65.29	4/67.21	2/64.49	3/96.07	2/90.88	1/95.71
POLY-3 PERCENT (g)	4.6%	6%	3.1%	3.1%	2.2%	1%
TERMINAL (d)	1/27 (4%)	0/21 (0%)	1/21 (5%)	1/37 (3%)	1/34 (3%)	1/46 (2%)
FIRST INCIDENCE	539	586	682	406	468	730 (T)

STATISTICAL TESTS

LIFE TABLE	P=0.176	P=0.093	P=0.330	P=0.306	P=0.480	P=0.734N
POLY 3	P=0.174	P=0.085	P=0.355	P=0.298	P=0.472	P=0.755
POLY 1.5	P=0.174	P=0.083	P=0.358	P=0.301	P=0.481	P=0.756
POLY 6	P=0.180	P=0.089	P=0.351	P=0.297	P=0.463	P=0.757
LOGISTIC REGRESSION	P=0.177	P=0.084	P=0.357	P=0.320	P=0.509	P=0.758
COCH-ARM / FISHERS	P=0.177	P=0.085	P=0.351	P=0.311	P=0.500	P=0.751N
ORDER RESTRICTED	(e)	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	(e)

**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**

Aspartame

CAS Number: 22839-47-0

Date Report Requested: 01/28/2008

Time Report Requested: 17:57:48

First Dose M/F: 06/27/97 / 06/27/97

Lab: CRC

Test Type: CHRONIC-LIFETIME

Route: DOSED FEED

Species/Strain: RATS/SD

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
TERMINAL SACRIFICE AT 105 WEEKS**

---

**Males**

**DOSE**                      **0 PPM**

---

**Stomach, Forestomach  
Squamous Cell Carcinoma or Papilloma Squamous**

---

<b>TUMOR RATES</b>	<b>#</b>
OVERALL (a)	1/150 (1%)
POLY-3 RATE (b)	1/98.42
POLY-3 PERCENT (g)	1%
TERMINAL (d)	0/33 (0%)
FIRST INCIDENCE	556

---

**STATISTICAL TESTS**

LIFE TABLE	P=0.064
POLY 3	P=0.055
POLY 1.5	P=0.054
POLY 6	P=0.060
LOGISTIC REGRESSION	P=0.055
COCH-ARM / FISHERS	P=0.052
ORDER RESTRICTED	P=0.099
MAX-ISO-POLY-3	P=0.106

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P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Date Report Requested: 01/28/2008

Test Type: CHRONIC-LIFETIME

Aspartame

Time Report Requested: 17:57:48

Route: DOSED FEED

CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
 TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Males					
	100000 PPM	50000 PPM	10000 PPM	2000 PPM	400 PPM	80 PPM

Stomach, Forestomach  
 Squamous Cell Papilloma

TUMOR RATES	#	#	#	#	#	#
OVERALL (a)	3/100 (3%)	3/100 (3%)	2/100 (2%)	3/150 (2%)	2/150 (1%)	0/150 (0%)
POLY-3 RATE (b)	3/65.29	3/67.16	2/64.49	3/96.07	2/90.88	0/95.71
POLY-3 PERCENT (g)	4.6%	4.5%	3.1%	3.1%	2.2%	0%
TERMINAL (d)	1/27 (4%)	0/21 (0%)	1/21 (5%)	1/37 (3%)	1/34 (3%)	0/46 (0%)
FIRST INCIDENCE	539	586	682	406	468	---

STATISTICAL TESTS

LIFE TABLE	P=0.176	P=0.198	P=0.330	P=0.306	P=0.480	P=0.517N
POLY 3	P=0.174	P=0.182	P=0.355	P=0.298	P=0.472	P=0.506N
POLY 1.5	P=0.174	P=0.178	P=0.358	P=0.301	P=0.481	P=0.504N
POLY 6	P=0.180	P=0.187	P=0.351	P=0.297	P=0.463	P=0.503N
LOGISTIC REGRESSION	P=0.177	P=0.177	P=0.357	P=0.320	P=0.509	P=0.492N
COCH-ARM / FISHERS	P=0.177	P=0.177	P=0.351	P=0.311	P=0.500	P=0.500N
ORDER RESTRICTED	(e)	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	(e)



**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**

**Date Report Requested:** 01/28/2008

**Test Type:** CHRONIC-LIFETIME

Aspartame

**Time Report Requested:** 17:57:48

**Route:** DOSED FEED

**CAS Number:** 22839-47-0

**First Dose M/F:** 06/27/97 / 06/27/97

**Species/Strain:** RATS/SD

**Lab:** CRC

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males					
	100000 PPM	50000 PPM	10000 PPM	2000 PPM	400 PPM	80 PPM
<b>Testes</b>						
<b>Adenoma</b>						
<b>TUMOR RATES</b>						
OVERALL (a)	1/97 (1%)	3/100 (3%)	2/100 (2%)	6/149 (4%)	3/148 (2%)	5/149 (3%)
POLY-3 RATE (b)	1/62.54	3/66.42	2/64.68	6/94.46	3/89.61	5/95.21
POLY-3 PERCENT (g)	1.6%	4.5%	3.1%	6.4%	3.4%	5.3%
TERMINAL (d)	0/27 (0%)	2/21 (10%)	1/21 (5%)	4/36 (11%)	1/34 (3%)	3/46 (7%)
FIRST INCIDENCE	619	692	624	608	658	714
<b>STATISTICAL TESTS</b>						
LIFE TABLE	P=0.689	P=0.172	P=0.357	P=0.069	P=0.301	P=0.192
POLY 3	P=0.659	P=0.181	P=0.359	P=0.055	P=0.277	P=0.100
POLY 1.5	P=0.659	P=0.179	P=0.361	P=0.058	P=0.286	P=0.102
POLY 6	P=0.665	P=0.185	P=0.356	P=0.054	P=0.269	P=0.103
LOGISTIC REGRESSION	P=0.660	P=0.177	P=0.349	P=0.054	P=0.265	P=0.142
COCH-ARM / FISHERS	P=0.634	P=0.179	P=0.354	P=0.060	P=0.309	P=0.107
ORDER RESTRICTED	(e)	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	(e)



P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Date Report Requested: 01/28/2008

Test Type: CHRONIC-LIFETIME

Aspartame

Time Report Requested: 17:57:48

Route: DOSED FEED

CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)

TERMINAL SACRIFICE AT 105 WEEKS

Males

DOSE 0 PPM

Testes  
Adenoma

TUMOR RATES

OVERALL (a)	1/149 (1%)
POLY-3 RATE (b)	1/97.55
POLY-3 PERCENT (g)	1%
TERMINAL (d)	1/33 (3%)
FIRST INCIDENCE	730 (T)

STATISTICAL TESTS

LIFE TABLE	P=0.285N
POLY 3	P=0.304N
POLY 1.5	P=0.311N
POLY 6	P=0.286N
LOGISTIC REGRESSION	P=0.280N
COCH-ARM / FISHERS	P=0.318N
ORDER RESTRICTED	P=0.297
MAX-ISO-POLY-3	P=0.330

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Date Report Requested: 01/28/2008

Test Type: CHRONIC-LIFETIME

Aspartame

Time Report Requested: 17:57:48

Route: DOSED FEED

CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
 TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Males					
	100000 PPM	50000 PPM	10000 PPM	2000 PPM	400 PPM	80 PPM

Testes  
 Leukemia Myeloid

TUMOR RATES

OVERALL (a)	0/97 (0%)	0/100 (0%)	0/100 (0%)	0/149 (0%)	0/148 (0%)	2/149 (1%)
POLY-3 RATE (b)	0/62.15	0/66.28	0/64.31	0/93.68	0/89.33	2/95.88
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	2.1%
TERMINAL (d)	0/27 (0%)	0/21 (0%)	0/21 (0%)	0/36 (0%)	0/34 (0%)	0/46 (0%)
FIRST INCIDENCE	---	---	---	---	---	589

STATISTICAL TESTS

LIFE TABLE	(e)	(e)	(e)	(e)	(e)	P=0.224
POLY 3	(e)	(e)	(e)	(e)	(e)	P=0.235
POLY 1.5	(e)	(e)	(e)	(e)	(e)	P=0.235
POLY 6	(e)	(e)	(e)	(e)	(e)	P=0.239
LOGISTIC REGRESSION	(e)	(e)	(e)	(e)	(e)	P=0.238
COCH-ARM / FISHERS	(e)	(e)	(e)	(e)	(e)	P=0.249
ORDER RESTRICTED	(e)	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	(e)

Test Type: CHRONIC-LIFETIME

Aspartame

Time Report Requested: 17:57:48

Route: DOSED FEED

CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
 TERMINAL SACRIFICE AT 105 WEEKS

Males

DOSE 0 PPM

Testes  
 Leukemia Myeloid

TUMOR RATES

OVERALL (a)	0/149 (0%)
POLY-3 RATE (b)	0/97.55
POLY-3 PERCENT (g)	0%
TERMINAL (d)	0/33 (0%)
FIRST INCIDENCE	---

STATISTICAL TESTS

LIFE TABLE	P=0.391N
POLY 3	P=0.392N
POLY 1.5	P=0.399N
POLY 6	P=0.382N
LOGISTIC REGRESSION	P=0.405N
COCH-ARM / FISHERS	P=0.406N
ORDER RESTRICTED	P=0.286N
MAX-ISO-POLY-3	P=0.321N

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Date Report Requested: 01/28/2008

Test Type: CHRONIC-LIFETIME

Aspartame

Time Report Requested: 17:57:48

Route: DOSED FEED

CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
 TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Males					
	100000 PPM	50000 PPM	10000 PPM	2000 PPM	400 PPM	80 PPM

Thymus  
 Leukemia Lymphoblastic

TUMOR RATES

OVERALL (a)	0/94 (0%)	0/98 (0%)	1/98 (1%)	0/149 (0%)	0/144 (0%)	0/148 (0%)
POLY-3 RATE (b)	0/59.84	0/64.79	1/64.12	0/93.87	0/87.52	0/93.71
POLY-3 PERCENT (g)	0%	0%	1.6%	0%	0%	0%
TERMINAL (d)	0/26 (0%)	0/21 (0%)	0/21 (0%)	0/37 (0%)	0/34 (0%)	0/44 (0%)
FIRST INCIDENCE	---	---	218	---	---	---

STATISTICAL TESTS

LIFE TABLE	P=0.600N	P=0.582N	P=0.666	P=0.505N	P=0.510N	P=0.512N
POLY 3	P=0.597N	P=0.582N	P=0.664	P=0.508N	P=0.522N	P=0.508N
POLY 1.5	P=0.595N	P=0.583N	P=0.666	P=0.505N	P=0.517N	P=0.506N
POLY 6	P=0.595N	P=0.580N	P=0.661	P=0.510N	P=0.527N	P=0.507N
LOGISTIC REGRESSION	P=0.578N	P=0.562N	P=0.700	P=0.478N	P=0.467N	P=0.477N
COCH-ARM / FISHERS	P=0.612N	P=0.602N	P=0.639	P=0.498N	P=0.507N	P=0.500N
ORDER RESTRICTED	(e)	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	(e)

Test Type: CHRONIC-LIFETIME

Aspartame

Time Report Requested: 17:57:48

Route: DOSED FEED

CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
 TERMINAL SACRIFICE AT 105 WEEKS

Males

DOSE 0 PPM

Thymus  
 Leukemia Lymphoblastic

TUMOR RATES

OVERALL (a)	1/148 (1%)
POLY-3 RATE (b)	1/97.63
POLY-3 PERCENT (g)	1%
TERMINAL (d)	0/33 (0%)
FIRST INCIDENCE	504

STATISTICAL TESTS

LIFE TABLE	P=0.491N
POLY 3	P=0.476N
POLY 1.5	P=0.483N
POLY 6	P=0.471N
LOGISTIC REGRESSION	P=0.528N
COCH-ARM / FISHERS	P=0.495N
ORDER RESTRICTED	P=0.306N
MAX-ISO-POLY-3	P=0.340N

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Date Report Requested: 01/28/2008

Test Type: CHRONIC-LIFETIME

Aspartame

Time Report Requested: 17:57:48

Route: DOSED FEED

CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
 TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Males					
	100000 PPM	50000 PPM	10000 PPM	2000 PPM	400 PPM	80 PPM
<b>Thymus</b>						
<b>Leukemia Monocytic</b>						
<b>TUMOR RATES</b>						
OVERALL (a)	1/94 (1%)	0/98 (0%)	0/98 (0%)	4/149 (3%)	1/144 (1%)	1/148 (1%)
POLY-3 RATE (b)	1/59.84	0/64.79	0/63.14	4/95.05	1/87.87	1/93.71
POLY-3 PERCENT (g)	1.7%	0%	0%	4.2%	1.1%	1.1%
TERMINAL (d)	1/26 (4%)	0/21 (0%)	0/21 (0%)	2/37 (5%)	0/34 (0%)	1/44 (2%)
FIRST INCIDENCE	730 (T)	---	---	529	632	730 (T)
<b>STATISTICAL TESTS</b>						
LIFE TABLE	P=0.452	(e)	(e)	P=0.070	P=0.472	P=0.557
POLY 3	P=0.404	(e)	(e)	P=0.061	P=0.480	P=0.493
POLY 1.5	P=0.405	(e)	(e)	P=0.062	P=0.485	P=0.495
POLY 6	P=0.407	(e)	(e)	P=0.061	P=0.477	P=0.495
LOGISTIC REGRESSION	P=0.452	(e)	(e)	P=0.064	P=0.486	P=0.557
COCH-ARM / FISHERS	P=0.388	(e)	(e)	P=0.062	P=0.493	P=0.500
ORDER RESTRICTED	(e)	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	(e)

Test Type: CHRONIC-LIFETIME

Aspartame

Time Report Requested: 17:57:48

Route: DOSED FEED

CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
 TERMINAL SACRIFICE AT 105 WEEKS

Males

DOSE 0 PPM

Thymus  
 Leukemia Monocytic

TUMOR RATES

OVERALL (a)	0/148 (0%)
POLY-3 RATE (b)	0/96.96
POLY-3 PERCENT (g)	0%
TERMINAL (d)	0/33 (0%)
FIRST INCIDENCE	---

STATISTICAL TESTS

LIFE TABLE	P=0.526N
POLY 3	P=0.531N
POLY 1.5	P=0.537N
POLY 6	P=0.524N
LOGISTIC REGRESSION	P=0.533N
COCH-ARM / FISHERS	P=0.542N
ORDER RESTRICTED	P=0.341
MAX-ISO-POLY-3	P=0.372

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Date Report Requested: 01/28/2008

Test Type: CHRONIC-LIFETIME

Aspartame

Time Report Requested: 17:57:48

Route: DOSED FEED

CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
 TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Males					
	100000 PPM	50000 PPM	10000 PPM	2000 PPM	400 PPM	80 PPM

Thymus  
 Leukemia Myeloid

TUMOR RATES

OVERALL (a)	1/94 (1%)	0/98 (0%)	1/98 (1%)	0/149 (0%)	0/144 (0%)	2/148 (1%)
POLY-3 RATE (b)	1/59.92	0/64.79	1/63.47	0/93.87	0/87.52	2/94.48
POLY-3 PERCENT (g)	1.7%	0%	1.6%	0%	0%	2.1%
TERMINAL (d)	0/26 (0%)	0/21 (0%)	0/21 (0%)	0/37 (0%)	0/34 (0%)	0/44 (0%)
FIRST INCIDENCE	710	---	641	---	---	589

STATISTICAL TESTS

LIFE TABLE	P=0.454	(e)	P=0.404	(e)	(e)	P=0.224
POLY 3	P=0.404	(e)	P=0.415	(e)	(e)	P=0.233
POLY 1.5	P=0.405	(e)	P=0.416	(e)	(e)	P=0.234
POLY 6	P=0.407	(e)	P=0.414	(e)	(e)	P=0.236
LOGISTIC REGRESSION	P=0.417	(e)	P=0.416	(e)	(e)	P=0.237
COCH-ARM / FISHERS	P=0.388	(e)	P=0.398	(e)	(e)	P=0.249
ORDER RESTRICTED	(e)	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	(e)



Test Type: CHRONIC-LIFETIME

Aspartame

Time Report Requested: 17:57:48

Route: DOSED FEED

CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
 TERMINAL SACRIFICE AT 105 WEEKS

Males

DOSE 0 PPM

Thymus  
 Leukemia Myeloid

TUMOR RATES

OVERALL (a)	0/148 (0%)
POLY-3 RATE (b)	0/96.96
POLY-3 PERCENT (g)	0%
TERMINAL (d)	0/33 (0%)
FIRST INCIDENCE	---

STATISTICAL TESTS

LIFE TABLE	P=0.450
POLY 3	P=0.421
POLY 1.5	P=0.418
POLY 6	P=0.431
LOGISTIC REGRESSION	P=0.418
COCH-ARM / FISHERS	P=0.414
ORDER RESTRICTED	P=0.236
MAX-ISO-POLY-3	P=0.272

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Date Report Requested: 01/28/2008

Test Type: CHRONIC-LIFETIME

Aspartame

Time Report Requested: 17:57:48

Route: DOSED FEED

CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
 TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Males					
	100000 PPM	50000 PPM	10000 PPM	2000 PPM	400 PPM	80 PPM

Thymus  
 Lymphoma Lympho-immunoblastic

TUMOR RATES

OVERALL (a)	7/94 (7%)	7/98 (7%)	2/98 (2%)	2/149 (1%)	3/144 (2%)	1/148 (1%)
POLY-3 RATE (b)	7/62.46	7/66.54	2/63.45	2/94.09	3/88.13	1/93.9
POLY-3 PERCENT (g)	11.2%	10.5%	3.2%	2.1%	3.4%	1.1%
TERMINAL (d)	2/26 (8%)	3/21 (14%)	0/21 (0%)	1/37 (3%)	0/34 (0%)	0/44 (0%)
FIRST INCIDENCE	423	500	678	671	670	678

STATISTICAL TESTS

LIFE TABLE	P=0.024*	P=0.022*	P=0.523	P=0.689N	P=0.442	P=0.509N
POLY 3	P=0.016*	P=0.021*	P=0.528	P=0.677	P=0.451	P=0.516N
POLY 1.5	P=0.016*	P=0.020*	P=0.532	P=0.683	P=0.462	P=0.511N
POLY 6	P=0.018*	P=0.022*	P=0.522	P=0.673	P=0.441	P=0.515N
LOGISTIC REGRESSION	P=0.020*	P=0.022*	P=0.541	P=0.686N	P=0.489	P=0.480N
COCH-ARM / FISHERS	P=0.019*	P=0.022*	P=0.523	P=0.686N	P=0.487	P=0.500N
ORDER RESTRICTED	(e)	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	(e)

Test Type: CHRONIC-LIFETIME

Aspartame

Time Report Requested: 17:57:48

Route: DOSED FEED

CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
 TERMINAL SACRIFICE AT 105 WEEKS

Males

DOSE 0 PPM

Thymus  
 Lymphoma Lympho-immunoblastic

TUMOR RATES

OVERALL (a)	2/148 (1%)
POLY-3 RATE (b)	2/98.36
POLY-3 PERCENT (g)	2%
TERMINAL (d)	0/33 (0%)
FIRST INCIDENCE	464

STATISTICAL TESTS

LIFE TABLE	P<0.001**
POLY 3	P<0.001**
POLY 1.5	P<0.001**
POLY 6	P<0.001**
LOGISTIC REGRESSION	P<0.001**
COCH-ARM / FISHERS	P<0.001**
ORDER RESTRICTED	P=0.003**
MAX-ISO-POLY-3	P<0.001**

**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**

**Date Report Requested:** 01/28/2008

**Test Type:** CHRONIC-LIFETIME

Aspartame

**Time Report Requested:** 17:57:48

**Route:** DOSED FEED

**CAS Number:** 22839-47-0

**First Dose M/F:** 06/27/97 / 06/27/97

**Species/Strain:** RATS/SD

**Lab:** CRC

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males					
	100000 PPM	50000 PPM	10000 PPM	2000 PPM	400 PPM	80 PPM

**Thymus  
Lymphoma Lymphoblastic**

**TUMOR RATES**

OVERALL (a)	0/94 (0%)	0/98 (0%)	0/98 (0%)	0/149 (0%)	0/144 (0%)	1/148 (1%)
POLY-3 RATE (b)	0/59.84	0/64.79	0/63.14	0/93.87	0/87.52	1/94
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	1.1%
TERMINAL (d)	0/26 (0%)	0/21 (0%)	0/21 (0%)	0/37 (0%)	0/34 (0%)	0/44 (0%)
FIRST INCIDENCE	---	---	---	---	---	650

**STATISTICAL TESTS**

LIFE TABLE	(e)	(e)	(e)	(e)	(e)	P=0.489
POLY 3	(e)	(e)	(e)	(e)	(e)	P=0.494
POLY 1.5	(e)	(e)	(e)	(e)	(e)	P=0.495
POLY 6	(e)	(e)	(e)	(e)	(e)	P=0.496
LOGISTIC REGRESSION	(e)	(e)	(e)	(e)	(e)	P=0.495
COCH-ARM / FISHERS	(e)	(e)	(e)	(e)	(e)	P=0.500
ORDER RESTRICTED	(e)	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	(e)

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Date Report Requested: 01/28/2008

Test Type: CHRONIC-LIFETIME

Aspartame

Time Report Requested: 17:57:48

Route: DOSED FEED

CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)

TERMINAL SACRIFICE AT 105 WEEKS

Males

DOSE 0 PPM

Thymus  
Lymphoma Lymphoblastic

TUMOR RATES

OVERALL (a)	0/148 (0%)
POLY-3 RATE (b)	0/96.96
POLY-3 PERCENT (g)	0%
TERMINAL (d)	0/33 (0%)
FIRST INCIDENCE	---

STATISTICAL TESTS

LIFE TABLE	P=0.574N
POLY 3	P=0.577N
POLY 1.5	P=0.583N
POLY 6	P=0.572N
LOGISTIC REGRESSION	P=0.587N
COCH-ARM / FISHERS	P=0.589N
ORDER RESTRICTED	P=0.455N
MAX-ISO-POLY-3	P=0.480N

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Date Report Requested: 01/28/2008

Test Type: CHRONIC-LIFETIME

Aspartame

Time Report Requested: 17:57:48

Route: DOSED FEED

CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
 TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Males					
	100000 PPM	50000 PPM	10000 PPM	2000 PPM	400 PPM	80 PPM

Thymus  
 Lymphoma Lymphocytic

TUMOR RATES

OVERALL (a)	0/94 (0%)	0/98 (0%)	0/98 (0%)	1/149 (1%)	0/144 (0%)	0/148 (0%)
POLY-3 RATE (b)	0/59.84	0/64.79	0/63.14	1/94.48	0/87.52	0/93.71
POLY-3 PERCENT (g)	0%	0%	0%	1.1%	0%	0%
TERMINAL (d)	0/26 (0%)	0/21 (0%)	0/21 (0%)	0/37 (0%)	0/34 (0%)	0/44 (0%)
FIRST INCIDENCE	---	---	---	534	---	---

STATISTICAL TESTS

LIFE TABLE	(e)	(e)	(e)	P=0.488	(e)	(e)
POLY 3	(e)	(e)	(e)	P=0.495	(e)	(e)
POLY 1.5	(e)	(e)	(e)	P=0.497	(e)	(e)
POLY 6	(e)	(e)	(e)	P=0.495	(e)	(e)
LOGISTIC REGRESSION	(e)	(e)	(e)	P=0.516	(e)	(e)
COCH-ARM / FISHERS	(e)	(e)	(e)	P=0.502	(e)	(e)
ORDER RESTRICTED	(e)	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	(e)

**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**

Aspartame

CAS Number: 22839-47-0

Date Report Requested: 01/28/2008

Time Report Requested: 17:57:48

First Dose M/F: 06/27/97 / 06/27/97

Lab: CRC

Test Type: CHRONIC-LIFETIME

Route: DOSED FEED

Species/Strain: RATS/SD

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)**

**TERMINAL SACRIFICE AT 105 WEEKS**

---

**Males**

**DOSE**                      **0 PPM**

---

Thymus  
Lymphoma Lymphocytic

---

**TUMOR RATES**

OVERALL (a)	0/148 (0%)
POLY-3 RATE (b)	0/96.96
POLY-3 PERCENT (g)	0%
TERMINAL (d)	0/33 (0%)
FIRST INCIDENCE	---

---

**STATISTICAL TESTS**

LIFE TABLE	P=0.610N
POLY 3	P=0.601N
POLY 1.5	P=0.606N
POLY 6	P=0.599N
LOGISTIC REGRESSION	P=0.616N
COCH-ARM / FISHERS	P=0.612N
ORDER RESTRICTED	P=0.596
MAX-ISO-POLY-3	P=0.608

---

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Date Report Requested: 01/28/2008

Test Type: CHRONIC-LIFETIME

Aspartame

Time Report Requested: 17:57:48

Route: DOSED FEED

CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
 TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Males					
	100000 PPM	50000 PPM	10000 PPM	2000 PPM	400 PPM	80 PPM

Thymus  
 Thymoma Benign

TUMOR RATES

OVERALL (a)	1/94 (1%)	0/98 (0%)	0/98 (0%)	0/149 (0%)	0/144 (0%)	1/148 (1%)
POLY-3 RATE (b)	1/59.84	0/64.79	0/63.14	0/93.87	0/87.52	1/94.08
POLY-3 PERCENT (g)	1.7%	0%	0%	0%	0%	1.1%
TERMINAL (d)	1/26 (4%)	0/21 (0%)	0/21 (0%)	0/37 (0%)	0/34 (0%)	0/44 (0%)
FIRST INCIDENCE	730 (T)	---	---	---	---	623

STATISTICAL TESTS

LIFE TABLE	P=0.452	(e)	(e)	(e)	(e)	P=0.485
POLY 3	P=0.404	(e)	(e)	(e)	(e)	P=0.494
POLY 1.5	P=0.405	(e)	(e)	(e)	(e)	P=0.495
POLY 6	P=0.407	(e)	(e)	(e)	(e)	P=0.497
LOGISTIC REGRESSION	P=0.452	(e)	(e)	(e)	(e)	P=0.498
COCH-ARM / FISHERS	P=0.388	(e)	(e)	(e)	(e)	P=0.500
ORDER RESTRICTED	(e)	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	(e)



Test Type: CHRONIC-LIFETIME

Aspartame

Time Report Requested: 17:57:48

Route: DOSED FEED

CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
 TERMINAL SACRIFICE AT 105 WEEKS

Males

DOSE 0 PPM

Thymus  
 Thymoma Benign

TUMOR RATES

OVERALL (a)	0/148 (0%)
POLY-3 RATE (b)	0/96.96
POLY-3 PERCENT (g)	0%
TERMINAL (d)	0/33 (0%)
FIRST INCIDENCE	---

STATISTICAL TESTS

LIFE TABLE	P=0.212
POLY 3	P=0.195
POLY 1.5	P=0.194
POLY 6	P=0.200
LOGISTIC REGRESSION	P=0.199
COCH-ARM / FISHERS	P=0.193
ORDER RESTRICTED	P=0.092
MAX-ISO-POLY-3	P=0.122

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Date Report Requested: 01/28/2008

Test Type: CHRONIC-LIFETIME

Aspartame

Time Report Requested: 17:57:48

Route: DOSED FEED

CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
 TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Males					
	100000 PPM	50000 PPM	10000 PPM	2000 PPM	400 PPM	80 PPM

Thymus  
 Thymoma: Benign, Malignant, NOS

TUMOR RATES

OVERALL (a)	1/94 (1%)	0/98 (0%)	0/98 (0%)	0/149 (0%)	0/144 (0%)	2/148 (1%)
POLY-3 RATE (b)	1/59.84	0/64.79	0/63.14	0/93.87	0/87.52	2/94.25
POLY-3 PERCENT (g)	1.7%	0%	0%	0%	0%	2.1%
TERMINAL (d)	1/26 (4%)	0/21 (0%)	0/21 (0%)	0/37 (0%)	0/34 (0%)	0/44 (0%)
FIRST INCIDENCE	730 (T)	---	---	---	---	623

STATISTICAL TESTS

LIFE TABLE	P=0.707	P=0.596N	P=0.587N	P=0.483N	P=0.500N	P=0.528
POLY 3	P=0.649	P=0.581N	P=0.585N	P=0.506N	P=0.520N	P=0.490
POLY 1.5	P=0.651	P=0.582N	P=0.584N	P=0.504N	P=0.516N	P=0.492
POLY 6	P=0.653	P=0.578N	P=0.588N	P=0.508N	P=0.525N	P=0.496
LOGISTIC REGRESSION	P=0.707	P=0.594N	P=0.595N	P=0.494N	P=0.505N	P=0.491
COCH-ARM / FISHERS	P=0.627	P=0.602N	P=0.602N	P=0.498N	P=0.507N	P=0.500
ORDER RESTRICTED	(e)	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	(e)



P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Date Report Requested: 01/28/2008

Test Type: CHRONIC-LIFETIME

Aspartame

Time Report Requested: 17:57:48

Route: DOSED FEED

CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
 TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Males					
	100000 PPM	50000 PPM	10000 PPM	2000 PPM	400 PPM	80 PPM

Thyroid Gland: C-Cell  
 Adenoma

TUMOR RATES

OVERALL (a)	5/100 (5%)	5/100 (5%)	2/99 (2%)	6/148 (4%)	6/147 (4%)	4/149 (3%)
POLY-3 RATE (b)	5/66.03	5/66.97	2/64.45	6/96.03	6/89.77	4/95.37
POLY-3 PERCENT (g)	7.6%	7.5%	3.1%	6.3%	6.7%	4.2%
TERMINAL (d)	2/27 (7%)	2/21 (10%)	0/21 (0%)	3/37 (8%)	3/33 (9%)	2/45 (4%)
FIRST INCIDENCE	448	626	681	313	549	563

STATISTICAL TESTS

LIFE TABLE	P=0.209	P=0.183	P=0.648	P=0.269	P=0.233	P=0.571
POLY 3	P=0.180	P=0.185	P=0.675N	P=0.247	P=0.216	P=0.497
POLY 1.5	P=0.180	P=0.182	P=0.672N	P=0.251	P=0.229	P=0.501
POLY 6	P=0.187	P=0.191	P=0.679	P=0.247	P=0.203	P=0.504
LOGISTIC REGRESSION	P=0.183	P=0.188	P=0.670N	P=0.257	P=0.218	P=0.503
COCH-ARM / FISHERS	P=0.183	P=0.183	P=0.675	P=0.261	P=0.257	P=0.515
ORDER RESTRICTED	(e)	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	(e)

**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**

Aspartame

CAS Number: 22839-47-0

Date Report Requested: 01/28/2008

Time Report Requested: 17:57:48

First Dose M/F: 06/27/97 / 06/27/97

Lab: CRC

Test Type: CHRONIC-LIFETIME

Route: DOSED FEED

Species/Strain: RATS/SD

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)**

**TERMINAL SACRIFICE AT 105 WEEKS**

---

**Males**

**DOSE**                      **0 PPM**

---

**Thyroid Gland: C-Cell  
Adenoma**

---

**TUMOR RATES**

OVERALL (a)	3/145 (2%)
POLY-3 RATE (b)	3/95.85
POLY-3 PERCENT (g)	3.1%
TERMINAL (d)	0/31 (0%)
FIRST INCIDENCE	463

---

**STATISTICAL TESTS**

LIFE TABLE	P=0.173
POLY 3	P=0.158
POLY 1.5	P=0.153
POLY 6	P=0.170
LOGISTIC REGRESSION	P=0.158
COCH-ARM / FISHERS	P=0.147
ORDER RESTRICTED	P=0.213
MAX-ISO-POLY-3	P=0.246

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P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

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Aspartame

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Route: DOSED FEED

CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
 TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Males					
	100000 PPM	50000 PPM	10000 PPM	2000 PPM	400 PPM	80 PPM

Thyroid Gland: C-Cell  
 Carcinoma

TUMOR RATES

OVERALL (a)	0/100 (0%)	0/100 (0%)	3/99 (3%)	2/148 (1%)	2/147 (1%)	0/149 (0%)
POLY-3 RATE (b)	0/64.38	0/66.28	3/64.46	2/94.79	2/88.77	0/94.71
POLY-3 PERCENT (g)	0%	0%	4.7%	2.1%	2.3%	0%
TERMINAL (d)	0/27 (0%)	0/21 (0%)	2/21 (10%)	1/37 (3%)	2/33 (6%)	0/45 (0%)
FIRST INCIDENCE	---	---	622	563	730 (T)	---

STATISTICAL TESTS

LIFE TABLE	P=0.528N	P=0.578N	P=0.184	P=0.533	P=0.522	P=0.426N
POLY 3	P=0.577N	P=0.572N	P=0.181	P=0.500	P=0.477	P=0.500N
POLY 1.5	P=0.577N	P=0.574N	P=0.182	P=0.502	P=0.486	P=0.499N
POLY 6	P=0.574N	P=0.569N	P=0.179	P=0.501	P=0.468	P=0.498N
LOGISTIC REGRESSION	(e)	(e)	P=0.173	P=0.498	P=0.522	(e)
COCH-ARM / FISHERS	P=0.592N	P=0.592N	P=0.184	P=0.508	P=0.505	P=0.493N
ORDER RESTRICTED	(e)	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	(e)

**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**

Aspartame

CAS Number: 22839-47-0

Date Report Requested: 01/28/2008

Time Report Requested: 17:57:48

First Dose M/F: 06/27/97 / 06/27/97

Lab: CRC

Test Type: CHRONIC-LIFETIME

Route: DOSED FEED

Species/Strain: RATS/SD

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)**

**TERMINAL SACRIFICE AT 105 WEEKS**

---

**Males**

**DOSE**                      **0 PPM**

---

**Thyroid Gland: C-Cell  
Carcinoma**

---

**TUMOR RATES**

OVERALL (a)	1/145 (1%)
POLY-3 RATE (b)	1/94.84
POLY-3 PERCENT (g)	1.1%
TERMINAL (d)	1/31 (3%)
FIRST INCIDENCE	730 (T)

---

**STATISTICAL TESTS**

LIFE TABLE	P=0.169N
POLY 3	P=0.162N
POLY 1.5	P=0.166N
POLY 6	P=0.158N
LOGISTIC REGRESSION	P=0.160N
COCH-ARM / FISHERS	P=0.172N
ORDER RESTRICTED	P=0.336N
MAX-ISO-POLY-3	P=0.317N

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**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**

**Date Report Requested:** 01/28/2008

**Test Type:** CHRONIC-LIFETIME

Aspartame

**Time Report Requested:** 17:57:48

**Route:** DOSED FEED

**CAS Number:** 22839-47-0

**First Dose M/F:** 06/27/97 / 06/27/97

**Species/Strain:** RATS/SD

**Lab:** CRC

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males					
	100000 PPM	50000 PPM	10000 PPM	2000 PPM	400 PPM	80 PPM

**Thyroid Gland: C-Cell  
Carcinoma or Adenoma**

**TUMOR RATES**

OVERALL (a)	5/100 (5%)	5/100 (5%)	5/99 (5%)	8/148 (5%)	8/147 (5%)	4/149 (3%)
POLY-3 RATE (b)	5/66.03	5/66.97	5/64.84	8/96.57	8/89.77	4/95.37
POLY-3 PERCENT (g)	7.6%	7.5%	7.7%	8.3%	8.9%	4.2%
TERMINAL (d)	2/27 (7%)	2/21 (10%)	2/21 (10%)	4/37 (11%)	5/33 (15%)	2/45 (4%)
FIRST INCIDENCE	448	626	622	313	549	563

**STATISTICAL TESTS**

LIFE TABLE	P=0.327	P=0.281	P=0.255	P=0.215	P=0.182	P=0.549N
POLY 3	P=0.281	P=0.288	P=0.271	P=0.188	P=0.154	P=0.638
POLY 1.5	P=0.280	P=0.283	P=0.274	P=0.191	P=0.168	P=0.639N
POLY 6	P=0.292	P=0.297	P=0.268	P=0.189	P=0.141	P=0.638N
LOGISTIC REGRESSION	P=0.281	P=0.293	P=0.271	P=0.192	P=0.149	P=0.638N
COCH-ARM / FISHERS	P=0.281	P=0.281	P=0.275	P=0.199	P=0.195	P=0.623N
ORDER RESTRICTED	(e)	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	(e)



**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**

Aspartame

CAS Number: 22839-47-0

Date Report Requested: 01/28/2008

Time Report Requested: 17:57:48

First Dose M/F: 06/27/97 / 06/27/97

Lab: CRC

Test Type: CHRONIC-LIFETIME

Route: DOSED FEED

Species/Strain: RATS/SD

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
TERMINAL SACRIFICE AT 105 WEEKS**

---

**Males**

**DOSE**                      **0 PPM**

---

**Thyroid Gland: C-Cell  
Carcinoma or Adenoma**

---

**TUMOR RATES**

OVERALL (a)	4/145 (3%)
POLY-3 RATE (b)	4/95.85
POLY-3 PERCENT (g)	4.2%
TERMINAL (d)	1/31 (3%)
FIRST INCIDENCE	463

---

**STATISTICAL TESTS**

LIFE TABLE	P=0.388
POLY 3	P=0.376
POLY 1.5	P=0.365
POLY 6	P=0.397
LOGISTIC REGRESSION	P=0.376
COCH-ARM / FISHERS	P=0.352
ORDER RESTRICTED	P=0.328
MAX-ISO-POLY-3	P=0.357

---

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Date Report Requested: 01/28/2008

Test Type: CHRONIC-LIFETIME

Aspartame

Time Report Requested: 17:57:48

Route: DOSED FEED

CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
 TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Males					
	100000 PPM	50000 PPM	10000 PPM	2000 PPM	400 PPM	80 PPM

Tissue NOS  
 Leukemia Monocytic

TUMOR RATES	#	#	#	#	#	#
OVERALL (a)	1/100 (1%)	0/100 (0%)	0/100 (0%)	2/150 (1%)	1/150 (1%)	0/150 (0%)
POLY-3 RATE (b)	1/64.38	0/66.28	0/64.31	2/95.3	1/90.5	0/95.71
POLY-3 PERCENT (g)	1.6%	0%	0%	2.1%	1.1%	0%
TERMINAL (d)	1/27 (4%)	0/21 (0%)	0/21 (0%)	1/37 (3%)	0/34 (0%)	0/46 (0%)
FIRST INCIDENCE	730 (T)	---	---	529	632	---

STATISTICAL TESTS

LIFE TABLE	P=0.460	(e)	(e)	P=0.246	P=0.475	(e)
POLY 3	P=0.416	(e)	(e)	P=0.233	P=0.484	(e)
POLY 1.5	P=0.417	(e)	(e)	P=0.234	P=0.489	(e)
POLY 6	P=0.420	(e)	(e)	P=0.232	P=0.480	(e)
LOGISTIC REGRESSION	P=0.460	(e)	(e)	P=0.236	P=0.491	(e)
COCH-ARM / FISHERS	P=0.400	(e)	(e)	P=0.249	P=0.500	(e)
ORDER RESTRICTED	(e)	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	(e)

**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**

Aspartame

CAS Number: 22839-47-0

Date Report Requested: 01/28/2008

Time Report Requested: 17:57:48

First Dose M/F: 06/27/97 / 06/27/97

Lab: CRC

Test Type: CHRONIC-LIFETIME

Route: DOSED FEED

Species/Strain: RATS/SD

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
TERMINAL SACRIFICE AT 105 WEEKS**

---

**Males**

**DOSE**                      **0 PPM**

---

**Tissue NOS**  
**Leukemia Monocytic**

---

<b>TUMOR RATES</b>	#
OVERALL (a)	0/150 (0%)
POLY-3 RATE (b)	0/97.86
POLY-3 PERCENT (g)	0%
TERMINAL (d)	0/33 (0%)
FIRST INCIDENCE	---

---

**STATISTICAL TESTS**

LIFE TABLE	P=0.466
POLY 3	P=0.462
POLY 1.5	P=0.461
POLY 6	P=0.466
LOGISTIC REGRESSION	P=0.467
COCH-ARM / FISHERS	P=0.460
ORDER RESTRICTED	P=0.245
MAX-ISO-POLY-3	P=0.281

---

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Date Report Requested: 01/28/2008

Test Type: CHRONIC-LIFETIME

Aspartame

Time Report Requested: 17:57:48

Route: DOSED FEED

CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
 TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Males					
	100000 PPM	50000 PPM	10000 PPM	2000 PPM	400 PPM	80 PPM

Tissue NOS  
 Lymphoma Lympho-immunoblastic

TUMOR RATES	#	#	#	#	#	#
OVERALL (a)	2/100 (2%)	2/100 (2%)	0/100 (0%)	1/150 (1%)	2/150 (1%)	0/150 (0%)
POLY-3 RATE (b)	2/64.69	2/66.35	0/64.31	1/94.68	2/91.16	0/95.71
POLY-3 PERCENT (g)	3.1%	3%	0%	1.1%	2.2%	0%
TERMINAL (d)	1/27 (4%)	1/21 (5%)	0/21 (0%)	1/37 (3%)	0/34 (0%)	0/46 (0%)
FIRST INCIDENCE	645	712	---	730 (T)	405	---

STATISTICAL TESTS

LIFE TABLE	P=0.545	P=0.531	P=0.337N	P=0.496N	P=0.659	P=0.248N
POLY 3	P=0.532	P=0.542	P=0.339N	P=0.517N	P=0.662	P=0.247N
POLY 1.5	P=0.534	P=0.540	P=0.336N	P=0.510N	P=0.672	P=0.245N
POLY 6	P=0.537	P=0.545	P=0.344N	P=0.521N	P=0.652	P=0.245N
LOGISTIC REGRESSION	P=0.545	P=0.541	P=0.322N	P=0.488N	P=0.634N	P=0.211N
COCH-ARM / FISHERS	P=0.525	P=0.525	P=0.359N	P=0.500N	P=0.689N	P=0.249N
ORDER RESTRICTED	(e)	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	(e)



**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**

**Date Report Requested:** 01/28/2008

**Test Type:** CHRONIC-LIFETIME

Aspartame

**Time Report Requested:** 17:57:48

**Route:** DOSED FEED

**CAS Number:** 22839-47-0

**First Dose M/F:** 06/27/97 / 06/27/97

**Species/Strain:** RATS/SD

**Lab:** CRC

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males					
	100000 PPM	50000 PPM	10000 PPM	2000 PPM	400 PPM	80 PPM
<b>Tissue NOS</b>						
<b>Lymphoma Lymphoblastic</b>						
<b>TUMOR RATES</b>	#	#	#	#	#	#
OVERALL (a)	0/100 (0%)	0/100 (0%)	0/100 (0%)	0/150 (0%)	0/150 (0%)	0/150 (0%)
POLY-3 RATE (b)	0/64.38	0/66.28	0/64.31	0/94.68	0/90.15	0/95.71
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	0%
TERMINAL (d)	0/27 (0%)	0/21 (0%)	0/21 (0%)	0/37 (0%)	0/34 (0%)	0/46 (0%)
FIRST INCIDENCE	---	---	---	---	---	---
<b>STATISTICAL TESTS</b>						
LIFE TABLE	(e)	(e)	(e)	(e)	(e)	(e)
POLY 3	(e)	(e)	(e)	(e)	(e)	(e)
POLY 1.5	(e)	(e)	(e)	(e)	(e)	(e)
POLY 6	(e)	(e)	(e)	(e)	(e)	(e)
LOGISTIC REGRESSION	(e)	(e)	(e)	(e)	(e)	(e)
COCH-ARM / FISHERS	(e)	(e)	(e)	(e)	(e)	(e)
ORDER RESTRICTED	(e)	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	(e)



**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**

**Date Report Requested:** 01/28/2008

**Test Type:** CHRONIC-LIFETIME

Aspartame

**Time Report Requested:** 17:57:48

**Route:** DOSED FEED

**CAS Number:** 22839-47-0

**First Dose M/F:** 06/27/97 / 06/27/97

**Species/Strain:** RATS/SD

**Lab:** CRC

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
TERMINAL SACRIFICE AT 105 WEEKS**

---

DOSE	Males					
	100000 PPM	50000 PPM	10000 PPM	2000 PPM	400 PPM	80 PPM

---

**Urinary Bladder  
Carcinoma**

**TUMOR RATES**

OVERALL (a)	0/98 (0%)	0/100 (0%)	2/100 (2%)	0/150 (0%)	0/147 (0%)	0/150 (0%)
POLY-3 RATE (b)	0/62.72	0/66.28	2/64.47	0/94.68	0/88.74	0/95.71
POLY-3 PERCENT (g)	0%	0%	3.1%	0%	0%	0%
TERMINAL (d)	0/27 (0%)	0/21 (0%)	1/21 (5%)	0/37 (0%)	0/34 (0%)	0/46 (0%)
FIRST INCIDENCE	---	---	688	---	---	---

**STATISTICAL TESTS**

LIFE TABLE	(e)	(e)	P=0.143	(e)	(e)	(e)
POLY 3	(e)	(e)	P=0.152	(e)	(e)	(e)
POLY 1.5	(e)	(e)	P=0.153	(e)	(e)	(e)
POLY 6	(e)	(e)	P=0.150	(e)	(e)	(e)
LOGISTIC REGRESSION	(e)	(e)	P=0.145	(e)	(e)	(e)
COCH-ARM / FISHERS	(e)	(e)	P=0.159	(e)	(e)	(e)
ORDER RESTRICTED	(e)	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	(e)

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P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Date Report Requested: 01/28/2008

Test Type: CHRONIC-LIFETIME

Aspartame

Time Report Requested: 17:57:48

Route: DOSED FEED

CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)

TERMINAL SACRIFICE AT 105 WEEKS

Males

DOSE 0 PPM

Urinary Bladder Carcinoma

TUMOR RATES

OVERALL (a)	0/150 (0%)
POLY-3 RATE (b)	0/97.86
POLY-3 PERCENT (g)	0%
TERMINAL (d)	0/33 (0%)
FIRST INCIDENCE	---

STATISTICAL TESTS

LIFE TABLE	P=0.555N
POLY 3	P=0.562N
POLY 1.5	P=0.568N
POLY 6	P=0.557N
LOGISTIC REGRESSION	P=0.561N
COCH-ARM / FISHERS	P=0.576N
ORDER RESTRICTED	P=0.282
MAX-ISO-POLY-3	P=0.317

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Date Report Requested: 01/28/2008

Test Type: CHRONIC-LIFETIME

Aspartame

Time Report Requested: 17:57:48

Route: DOSED FEED

CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
 TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Males					
	100000 PPM	50000 PPM	10000 PPM	2000 PPM	400 PPM	80 PPM

Urinary Bladder  
 Carcinoma or Papilloma

TUMOR RATES

OVERALL (a)	0/98 (0%)	1/100 (1%)	2/100 (2%)	0/150 (0%)	0/147 (0%)	1/150 (1%)
POLY-3 RATE (b)	0/62.72	1/66.89	2/64.47	0/94.68	0/88.74	1/95.71
POLY-3 PERCENT (g)	0%	1.5%	3.1%	0%	0%	1%
TERMINAL (d)	0/27 (0%)	0/21 (0%)	1/21 (5%)	0/37 (0%)	0/34 (0%)	1/46 (2%)
FIRST INCIDENCE	---	533	688	---	---	730 (T)

STATISTICAL TESTS

LIFE TABLE	(e)	P=0.412	P=0.143	(e)	(e)	P=0.566
POLY 3	(e)	P=0.424	P=0.152	(e)	(e)	P=0.496
POLY 1.5	(e)	P=0.421	P=0.153	(e)	(e)	P=0.496
POLY 6	(e)	P=0.428	P=0.150	(e)	(e)	P=0.499
LOGISTIC REGRESSION	(e)	P=0.428	P=0.145	(e)	(e)	P=0.566
COCH-ARM / FISHERS	(e)	P=0.400	P=0.159	(e)	(e)	P=0.500
ORDER RESTRICTED	(e)	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	(e)



P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Date Report Requested: 01/28/2008

Test Type: CHRONIC-LIFETIME

Aspartame

Time Report Requested: 17:57:48

Route: DOSED FEED

CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
 TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Males					
	100000 PPM	50000 PPM	10000 PPM	2000 PPM	400 PPM	80 PPM

Zymbal's Gland  
 Squamous Cell Carcinoma

TUMOR RATES	#	#	#	#	#	#
OVERALL (a)	1/100 (1%)	3/100 (3%)	2/100 (2%)	0/150 (0%)	3/150 (2%)	1/150 (1%)
POLY-3 RATE (b)	1/64.38	3/66.73	2/64.68	0/94.68	3/90.56	1/95.71
POLY-3 PERCENT (g)	1.6%	4.5%	3.1%	0%	3.3%	1%
TERMINAL (d)	1/27 (4%)	1/21 (5%)	1/21 (5%)	0/37 (0%)	2/34 (6%)	1/46 (2%)
FIRST INCIDENCE	730 (T)	637	624	---	613	730 (T)

STATISTICAL TESTS

LIFE TABLE	P=0.619N	P=0.345	P=0.527	P=0.249N	P=0.462	P=0.470N
POLY 3	P=0.645N	P=0.328	P=0.536	P=0.247N	P=0.463	P=0.510N
POLY 1.5	P=0.643N	P=0.324	P=0.538	P=0.244N	P=0.475	P=0.507N
POLY 6	P=0.642N	P=0.334	P=0.531	P=0.249N	P=0.450	P=0.507N
LOGISTIC REGRESSION	P=0.639N	P=0.332	P=0.534	P=0.245N	P=0.456	P=0.503N
COCH-ARM / FISHERS	P=0.649N	P=0.316	P=0.525	P=0.249N	P=0.500	P=0.500N
ORDER RESTRICTED	(e)	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	(e)



P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Date Report Requested: 01/28/2008

Test Type: CHRONIC-LIFETIME

Aspartame

Time Report Requested: 17:57:48

Route: DOSED FEED

CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
 TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Males					
	100000 PPM	50000 PPM	10000 PPM	2000 PPM	400 PPM	80 PPM

All Organs  
 Hemangiosarcoma

TUMOR RATES	#	#	#	#	#	#
OVERALL (a)	3/100 (3%)	2/100 (2%)	0/100 (0%)	2/150 (1%)	0/150 (0%)	0/150 (0%)
POLY-3 RATE (b)	3/64.55	2/66.69	0/64.31	2/95.36	0/90.15	0/95.71
POLY-3 PERCENT (g)	4.7%	3%	0%	2.1%	0%	0%
TERMINAL (d)	2/27 (7%)	1/21 (5%)	0/21 (0%)	0/37 (0%)	0/34 (0%)	0/46 (0%)
FIRST INCIDENCE	687	612	---	628	---	---

STATISTICAL TESTS

LIFE TABLE	P=0.232	P=0.364	P=0.590N	P=0.496	P=0.494N	P=0.434N
POLY 3	P=0.173	P=0.368	P=0.584N	P=0.491	P=0.516N	P=0.504N
POLY 1.5	P=0.174	P=0.363	P=0.582N	P=0.493	P=0.511N	P=0.504N
POLY 6	P=0.177	P=0.374	P=0.586N	P=0.492	P=0.522N	P=0.501N
LOGISTIC REGRESSION	P=0.201	P=0.371	(e)	P=0.489	(e)	(e)
COCH-ARM / FISHERS	P=0.177	P=0.351	P=0.600N	P=0.500	P=0.500N	P=0.500N
ORDER RESTRICTED	(e)	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	(e)

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Date Report Requested: 01/28/2008

Test Type: CHRONIC-LIFETIME

Aspartame

Time Report Requested: 17:57:48

Route: DOSED FEED

CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
TERMINAL SACRIFICE AT 105 WEEKS

Males

DOSE 0 PPM

All Organs  
Hemangiosarcoma

TUMOR RATES	#
OVERALL (a)	1/150 (1%)
POLY-3 RATE (b)	1/97.86
POLY-3 PERCENT (g)	1%
TERMINAL (d)	1/33 (3%)
FIRST INCIDENCE	730 (T)

STATISTICAL TESTS

LIFE TABLE	P=0.008**
POLY 3	P=0.006**
POLY 1.5	P=0.006**
POLY 6	P=0.006**
LOGISTIC REGRESSION	P=0.007**
COCH-ARM / FISHERS	P=0.006**
ORDER RESTRICTED	P=0.021*
MAX-ISO-POLY-3	P=0.011*

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Date Report Requested: 01/28/2008

Test Type: CHRONIC-LIFETIME

Aspartame

Time Report Requested: 17:57:48

Route: DOSED FEED

CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
 TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Males					
	100000 PPM	50000 PPM	10000 PPM	2000 PPM	400 PPM	80 PPM

All Organs  
 Hemangiosarcoma or Hemangioma

TUMOR RATES	#	#	#	#	#	#
OVERALL (a)	3/100 (3%)	2/100 (2%)	0/100 (0%)	2/150 (1%)	0/150 (0%)	0/150 (0%)
POLY-3 RATE (b)	3/64.55	2/66.69	0/64.31	2/95.36	0/90.15	0/95.71
POLY-3 PERCENT (g)	4.7%	3%	0%	2.1%	0%	0%
TERMINAL (d)	2/27 (7%)	1/21 (5%)	0/21 (0%)	0/37 (0%)	0/34 (0%)	0/46 (0%)
FIRST INCIDENCE	687	612	---	628	---	---

STATISTICAL TESTS

LIFE TABLE	P=0.232	P=0.364	P=0.590N	P=0.496	P=0.494N	P=0.434N
POLY 3	P=0.173	P=0.368	P=0.584N	P=0.491	P=0.516N	P=0.504N
POLY 1.5	P=0.174	P=0.363	P=0.582N	P=0.493	P=0.511N	P=0.504N
POLY 6	P=0.177	P=0.374	P=0.586N	P=0.492	P=0.522N	P=0.501N
LOGISTIC REGRESSION	P=0.201	P=0.371	(e)	P=0.489	(e)	(e)
COCH-ARM / FISHERS	P=0.177	P=0.351	P=0.600N	P=0.500	P=0.500N	P=0.500N
ORDER RESTRICTED	(e)	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	(e)



Test Type: CHRONIC-LIFETIME

Aspartame

Time Report Requested: 17:57:48

Route: DOSED FEED

CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
 TERMINAL SACRIFICE AT 105 WEEKS

Males

DOSE 0 PPM

All Organs  
 Hemangiosarcoma or Hemangioma

TUMOR RATES	#
OVERALL (a)	1/150 (1%)
POLY-3 RATE (b)	1/97.86
POLY-3 PERCENT (g)	1%
TERMINAL (d)	1/33 (3%)
FIRST INCIDENCE	730 (T)

STATISTICAL TESTS

LIFE TABLE	P=0.008**
POLY 3	P=0.006**
POLY 1.5	P=0.006**
POLY 6	P=0.006**
LOGISTIC REGRESSION	P=0.007**
COCH-ARM / FISHERS	P=0.006**
ORDER RESTRICTED	P=0.021*
MAX-ISO-POLY-3	P=0.011*

**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**

**Date Report Requested:** 01/28/2008

**Test Type:** CHRONIC-LIFETIME

Aspartame

**Time Report Requested:** 17:57:48

**Route:** DOSED FEED

**CAS Number:** 22839-47-0

**First Dose M/F:** 06/27/97 / 06/27/97

**Species/Strain:** RATS/SD

**Lab:** CRC

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males					
	100000 PPM	50000 PPM	10000 PPM	2000 PPM	400 PPM	80 PPM

**All Organs  
Hemolymphoreticular Neoplasias**

TUMOR RATES	#	#	#	#	#	#
OVERALL (a)	29/100 (29%)	20/100 (20%)	15/100 (15%)	33/150 (22%)	25/150 (17%)	23/150 (15%)
POLY-3 RATE (b)	29/72.74	20/71.65	15/68.32	33/103.31	25/99.44	23/101.94
POLY-3 PERCENT (g)	39.9%	27.9%	22%	31.9%	25.1%	22.6%
TERMINAL (d)	9/27 (33%)	6/21 (29%)	5/21 (24%)	10/37 (27%)	4/34 (12%)	6/46 (13%)
FIRST INCIDENCE	377	440	218	394	329	489

**STATISTICAL TESTS**

LIFE TABLE	P=0.159	P=0.491N	P=0.230N	P=0.444	P=0.376N	P=0.124N
POLY 3	P=0.070	P=0.529N	P=0.206N	P=0.347	P=0.339N	P=0.194N
POLY 1.5	P=0.074	P=0.528N	P=0.184N	P=0.383	P=0.300N	P=0.178N
POLY 6	P=0.076	P=0.535N	P=0.251N	P=0.315	P=0.383N	P=0.196N
LOGISTIC REGRESSION	P=0.082	P=0.510N	P=0.170N	P=0.412	P=0.256N	P=0.157N
COCH-ARM / FISHERS	P=0.087	P=0.515N	P=0.167N	P=0.444	P=0.229N	P=0.146N
ORDER RESTRICTED	(e)	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	(e)

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Date Report Requested: 01/28/2008

Test Type: CHRONIC-LIFETIME

Aspartame

Time Report Requested: 17:57:48

Route: DOSED FEED

CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
TERMINAL SACRIFICE AT 105 WEEKS

Males

DOSE 0 PPM

All Organs  
Hemolymphoreticular Neoplasias

TUMOR RATES	#
OVERALL (a)	31/150 (21%)
POLY-3 RATE (b)	31/108.42
POLY-3 PERCENT (g)	28.6%
TERMINAL (d)	4/33 (12%)
FIRST INCIDENCE	368

STATISTICAL TESTS

LIFE TABLE	P=0.032*
POLY 3	P=0.014*
POLY 1.5	P=0.012*
POLY 6	P=0.018*
LOGISTIC REGRESSION	P=0.012*
COCH-ARM / FISHERS	P=0.010**
ORDER RESTRICTED	P=0.025*
MAX-ISO-POLY-3	P=0.026*

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Date Report Requested: 01/28/2008

Test Type: CHRONIC-LIFETIME

Aspartame

Time Report Requested: 17:57:48

Route: DOSED FEED

CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
 TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Males					
	100000 PPM	50000 PPM	10000 PPM	2000 PPM	400 PPM	80 PPM

All Organs  
 Histiocytic Sarcoma

TUMOR RATES	#	#	#	#	#	#
OVERALL (a)	4/100 (4%)	6/100 (6%)	3/100 (3%)	10/150 (7%)	2/150 (1%)	4/150 (3%)
POLY-3 RATE (b)	4/65.03	6/68.25	3/65.05	10/98.75	2/90.91	4/96.52
POLY-3 PERCENT (g)	6.2%	8.8%	4.6%	10.1%	2.2%	4.1%
TERMINAL (d)	1/27 (4%)	1/21 (5%)	2/21 (10%)	1/37 (3%)	1/34 (3%)	2/46 (4%)
FIRST INCIDENCE	614	451	463	394	451	564

STATISTICAL TESTS

LIFE TABLE	P=0.376N	P=0.535	P=0.306N	P=0.400	P=0.071N	P=0.145N
POLY 3	P=0.444N	P=0.541	P=0.296N	P=0.391	P=0.069N	P=0.202N
POLY 1.5	P=0.439N	P=0.529	P=0.291N	P=0.393	P=0.063N	P=0.199N
POLY 6	P=0.437N	P=0.559	P=0.308N	P=0.399	P=0.077N	P=0.197N
LOGISTIC REGRESSION	P=0.434N	P=0.526	P=0.290N	P=0.397	P=0.063N	P=0.196N
COCH-ARM / FISHERS	P=0.436N	P=0.515	P=0.291N	P=0.404	P=0.052N	P=0.189N
ORDER RESTRICTED	(e)	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	(e)



P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Date Report Requested: 01/28/2008

Test Type: CHRONIC-LIFETIME

Aspartame

Time Report Requested: 17:57:48

Route: DOSED FEED

CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
 TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Males					
	100000 PPM	50000 PPM	10000 PPM	2000 PPM	400 PPM	80 PPM

All Organs  
 Leukemia Lymphoblastic

TUMOR RATES	#	#	#	#	#	#
OVERALL (a)	0/100 (0%)	0/100 (0%)	1/100 (1%)	0/150 (0%)	0/150 (0%)	0/150 (0%)
POLY-3 RATE (b)	0/64.38	0/66.28	1/65.28	0/94.68	0/90.15	0/95.71
POLY-3 PERCENT (g)	0%	0%	1.5%	0%	0%	0%
TERMINAL (d)	0/27 (0%)	0/21 (0%)	0/21 (0%)	0/37 (0%)	0/34 (0%)	0/46 (0%)
FIRST INCIDENCE	---	---	218	---	---	---

STATISTICAL TESTS

LIFE TABLE	P=0.600N	P=0.582N	P=0.666	P=0.505N	P=0.510N	P=0.512N
POLY 3	P=0.585N	P=0.579N	P=0.667	P=0.508N	P=0.518N	P=0.506N
POLY 1.5	P=0.584N	P=0.581N	P=0.668	P=0.505N	P=0.512N	P=0.504N
POLY 6	P=0.583N	P=0.577N	P=0.664	P=0.510N	P=0.524N	P=0.504N
LOGISTIC REGRESSION	P=0.577N	P=0.564N	P=0.696	P=0.482N	P=0.462N	P=0.482N
COCH-ARM / FISHERS	P=0.600N	P=0.600N	P=0.641	P=0.500N	P=0.500N	P=0.500N
ORDER RESTRICTED	(e)	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	(e)

**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**

Aspartame

CAS Number: 22839-47-0

Date Report Requested: 01/28/2008

Time Report Requested: 17:57:48

First Dose M/F: 06/27/97 / 06/27/97

Lab: CRC

Test Type: CHRONIC-LIFETIME

Route: DOSED FEED

Species/Strain: RATS/SD

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
TERMINAL SACRIFICE AT 105 WEEKS**

---

**Males**

**DOSE**                      **0 PPM**

---

**All Organs**  
**Leukemia Lymphoblastic**

---

<b>TUMOR RATES</b>	<b>#</b>
OVERALL (a)	1/150 (1%)
POLY-3 RATE (b)	1/98.53
POLY-3 PERCENT (g)	1%
TERMINAL (d)	0/33 (0%)
FIRST INCIDENCE	504

---

**STATISTICAL TESTS**

LIFE TABLE	P=0.491N
POLY 3	P=0.469N
POLY 1.5	P=0.477N
POLY 6	P=0.465N
LOGISTIC REGRESSION	P=0.530N
COCH-ARM / FISHERS	P=0.488N
ORDER RESTRICTED	P=0.283N
MAX-ISO-POLY-3	P=0.319N

---

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Date Report Requested: 01/28/2008

Test Type: CHRONIC-LIFETIME

Aspartame

Time Report Requested: 17:57:48

Route: DOSED FEED

CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
 TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Males					
	100000 PPM	50000 PPM	10000 PPM	2000 PPM	400 PPM	80 PPM

All Organs  
 Leukemia Lymphocytic

TUMOR RATES	#	#	#	#	#	#
OVERALL (a)	0/100 (0%)	0/100 (0%)	1/100 (1%)	0/150 (0%)	0/150 (0%)	0/150 (0%)
POLY-3 RATE (b)	0/64.38	0/66.28	1/65.28	0/94.68	0/90.15	0/95.71
POLY-3 PERCENT (g)	0%	0%	1.5%	0%	0%	0%
TERMINAL (d)	0/27 (0%)	0/21 (0%)	0/21 (0%)	0/37 (0%)	0/34 (0%)	0/46 (0%)
FIRST INCIDENCE	---	---	218	---	---	---

STATISTICAL TESTS

LIFE TABLE	(e)	(e)	P=0.420	(e)	(e)	(e)
POLY 3	(e)	(e)	P=0.419	(e)	(e)	(e)
POLY 1.5	(e)	(e)	P=0.419	(e)	(e)	(e)
POLY 6	(e)	(e)	P=0.418	(e)	(e)	(e)
LOGISTIC REGRESSION	(e)	(e)	P=0.384	(e)	(e)	(e)
COCH-ARM / FISHERS	(e)	(e)	P=0.400	(e)	(e)	(e)
ORDER RESTRICTED	(e)	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	(e)



P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Date Report Requested: 01/28/2008

Test Type: CHRONIC-LIFETIME

Aspartame

Time Report Requested: 17:57:48

Route: DOSED FEED

CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)

TERMINAL SACRIFICE AT 105 WEEKS

Males

DOSE 0 PPM

All Organs  
Leukemia Lymphocytic

TUMOR RATES	#
OVERALL (a)	0/150 (0%)
POLY-3 RATE (b)	0/97.86
POLY-3 PERCENT (g)	0%
TERMINAL (d)	0/33 (0%)
FIRST INCIDENCE	---

STATISTICAL TESTS

LIFE TABLE	P=0.695N
POLY 3	P=0.683N
POLY 1.5	P=0.689N
POLY 6	P=0.681N
LOGISTIC REGRESSION	P=0.810N
COCH-ARM / FISHERS	P=0.696N
ORDER RESTRICTED	P=0.444
MAX-ISO-POLY-3	P=0.467

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Date Report Requested: 01/28/2008

Test Type: CHRONIC-LIFETIME

Aspartame

Time Report Requested: 17:57:48

Route: DOSED FEED

CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
 TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Males					
	100000 PPM	50000 PPM	10000 PPM	2000 PPM	400 PPM	80 PPM

All Organs  
 Leukemia Monocytic

TUMOR RATES	#	#	#	#	#	#
OVERALL (a)	1/100 (1%)	1/100 (1%)	3/100 (3%)	7/150 (5%)	1/150 (1%)	2/150 (1%)
POLY-3 RATE (b)	1/64.38	1/66.28	3/65.4	7/97.08	1/90.5	2/95.71
POLY-3 PERCENT (g)	1.6%	1.5%	4.6%	7.2%	1.1%	2.1%
TERMINAL (d)	1/27 (4%)	1/21 (5%)	0/21 (0%)	3/37 (8%)	0/34 (0%)	2/46 (4%)
FIRST INCIDENCE	730 (T)	730 (T)	609	458	632	730 (T)

STATISTICAL TESTS

LIFE TABLE	P=0.616N	P=0.632N	P=0.315	P=0.091	P=0.549N	P=0.638N
POLY 3	P=0.645N	P=0.636N	P=0.320	P=0.082	P=0.529N	P=0.683
POLY 1.5	P=0.643N	P=0.638N	P=0.321	P=0.083	P=0.519N	P=0.685
POLY 6	P=0.642N	P=0.633N	P=0.319	P=0.082	P=0.539N	P=0.687
LOGISTIC REGRESSION	P=0.638N	P=0.630N	P=0.319	P=0.085	P=0.525N	P=0.690N
COCH-ARM / FISHERS	P=0.649N	P=0.649N	P=0.316	P=0.087	P=0.500N	P=0.689N
ORDER RESTRICTED	(e)	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	(e)

**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**

Aspartame

CAS Number: 22839-47-0

Date Report Requested: 01/28/2008

Time Report Requested: 17:57:48

First Dose M/F: 06/27/97 / 06/27/97

Lab: CRC

Test Type: CHRONIC-LIFETIME

Route: DOSED FEED

Species/Strain: RATS/SD

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)**

**TERMINAL SACRIFICE AT 105 WEEKS**

---

**Males**

**DOSE**                      **0 PPM**

---

**All Organs**  
**Leukemia Monocytic**

---

<b>TUMOR RATES</b>	#
OVERALL (a)	2/150 (1%)
POLY-3 RATE (b)	2/98.36
POLY-3 PERCENT (g)	2%
TERMINAL (d)	0/33 (0%)
FIRST INCIDENCE	653

---

**STATISTICAL TESTS**

LIFE TABLE	P=0.239N
POLY 3	P=0.231N
POLY 1.5	P=0.239N
POLY 6	P=0.221N
LOGISTIC REGRESSION	P=0.240N
COCH-ARM / FISHERS	P=0.251N
ORDER RESTRICTED	P=0.388
MAX-ISO-POLY-3	P=0.416

---

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Date Report Requested: 01/28/2008

Test Type: CHRONIC-LIFETIME

Aspartame

Time Report Requested: 17:57:48

Route: DOSED FEED

CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
 TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Males					
	100000 PPM	50000 PPM	10000 PPM	2000 PPM	400 PPM	80 PPM
<b>All Organs</b>						
<b>Leukemia Myeloid</b>						
<b>TUMOR RATES</b>	#	#	#	#	#	#
OVERALL (a)	1/100 (1%)	0/100 (0%)	1/100 (1%)	0/150 (0%)	0/150 (0%)	2/150 (1%)
POLY-3 RATE (b)	1/64.46	0/66.28	1/64.63	0/94.68	0/90.15	2/96.48
POLY-3 PERCENT (g)	1.6%	0%	1.6%	0%	0%	2.1%
TERMINAL (d)	0/27 (0%)	0/21 (0%)	0/21 (0%)	0/37 (0%)	0/34 (0%)	0/46 (0%)
FIRST INCIDENCE	710	---	641	---	---	589
<b>STATISTICAL TESTS</b>						
LIFE TABLE	P=0.690	P=0.581N	P=0.657	P=0.501N	P=0.503N	P=0.484
POLY 3	P=0.663	P=0.580N	P=0.663	P=0.508N	P=0.518N	P=0.492
POLY 1.5	P=0.664	P=0.581N	P=0.665	P=0.506N	P=0.512N	P=0.493
POLY 6	P=0.667	P=0.577N	P=0.661	P=0.510N	P=0.524N	P=0.499
LOGISTIC REGRESSION	P=0.674	P=0.497N	P=0.676	P=0.451N	P=0.380N	P=0.521
COCH-ARM / FISHERS	P=0.641	P=0.600N	P=0.641	P=0.500N	P=0.500N	P=0.500
ORDER RESTRICTED	(e)	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	(e)

**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**

Aspartame

CAS Number: 22839-47-0

Date Report Requested: 01/28/2008

Time Report Requested: 17:57:48

First Dose M/F: 06/27/97 / 06/27/97

Lab: CRC

Test Type: CHRONIC-LIFETIME

Route: DOSED FEED

Species/Strain: RATS/SD

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)**

**TERMINAL SACRIFICE AT 105 WEEKS**

---

**Males**

**DOSE**                      **0 PPM**

---

**All Organs**  
**Leukemia Myeloid**

---

<b>TUMOR RATES</b>	<b>#</b>
OVERALL (a)	1/150 (1%)
POLY-3 RATE (b)	1/98.73
POLY-3 PERCENT (g)	1%
TERMINAL (d)	0/33 (0%)
FIRST INCIDENCE	368

---

**STATISTICAL TESTS**

LIFE TABLE	P=0.553
POLY 3	P=0.547
POLY 1.5	P=0.541
POLY 6	P=0.559
LOGISTIC REGRESSION	P=0.530
COCH-ARM / FISHERS	P=0.532
ORDER RESTRICTED	P=0.491N
MAX-ISO-POLY-3	P=0.514N

---

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Date Report Requested: 01/28/2008

Test Type: CHRONIC-LIFETIME

Aspartame

Time Report Requested: 17:57:48

Route: DOSED FEED

CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
 TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Males					
	100000 PPM	50000 PPM	10000 PPM	2000 PPM	400 PPM	80 PPM

All Organs  
 Leukemia: Granulocytic

TUMOR RATES	#	#	#	#	#	#
OVERALL (a)	1/100 (1%)	0/100 (0%)	1/100 (1%)	0/150 (0%)	0/150 (0%)	2/150 (1%)
POLY-3 RATE (b)	1/64.46	0/66.28	1/64.63	0/94.68	0/90.15	2/96.48
POLY-3 PERCENT (g)	1.6%	0%	1.6%	0%	0%	2.1%
TERMINAL (d)	0/27 (0%)	0/21 (0%)	0/21 (0%)	0/37 (0%)	0/34 (0%)	0/46 (0%)
FIRST INCIDENCE	710	---	641	---	---	589

STATISTICAL TESTS

LIFE TABLE	P=0.690	P=0.581N	P=0.657	P=0.501N	P=0.503N	P=0.484
POLY 3	P=0.663	P=0.580N	P=0.663	P=0.508N	P=0.518N	P=0.492
POLY 1.5	P=0.664	P=0.581N	P=0.665	P=0.506N	P=0.512N	P=0.493
POLY 6	P=0.667	P=0.577N	P=0.661	P=0.510N	P=0.524N	P=0.499
LOGISTIC REGRESSION	P=0.674	P=0.497N	P=0.676	P=0.451N	P=0.380N	P=0.521
COCH-ARM / FISHERS	P=0.641	P=0.600N	P=0.641	P=0.500N	P=0.500N	P=0.500
ORDER RESTRICTED	(e)	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	(e)

**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**

Aspartame

CAS Number: 22839-47-0

Date Report Requested: 01/28/2008

Time Report Requested: 17:57:48

First Dose M/F: 06/27/97 / 06/27/97

Lab: CRC

Test Type: CHRONIC-LIFETIME

Route: DOSED FEED

Species/Strain: RATS/SD

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)**

**TERMINAL SACRIFICE AT 105 WEEKS**

---

**Males**

**DOSE**                      **0 PPM**

---

**All Organs**  
**Leukemia: Granulocytic**

---

<b>TUMOR RATES</b>	<b>#</b>
OVERALL (a)	1/150 (1%)
POLY-3 RATE (b)	1/98.73
POLY-3 PERCENT (g)	1%
TERMINAL (d)	0/33 (0%)
FIRST INCIDENCE	368

---

**STATISTICAL TESTS**

LIFE TABLE	P=0.553
POLY 3	P=0.547
POLY 1.5	P=0.541
POLY 6	P=0.559
LOGISTIC REGRESSION	P=0.530
COCH-ARM / FISHERS	P=0.532
ORDER RESTRICTED	P=0.491N
MAX-ISO-POLY-3	P=0.514N

---

**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**

**Date Report Requested:** 01/28/2008

**Test Type:** CHRONIC-LIFETIME

Aspartame

**Time Report Requested:** 17:57:48

**Route:** DOSED FEED

**CAS Number:** 22839-47-0

**First Dose M/F:** 06/27/97 / 06/27/97

**Species/Strain:** RATS/SD

**Lab:** CRC

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males					
	100000 PPM	50000 PPM	10000 PPM	2000 PPM	400 PPM	80 PPM

**All Organs**  
Leukemia: Lymphocytic, Monocytic, Mononuclear, Lymphoblastic, Myeloid, Granulocytic

TUMOR RATES	#	#	#	#	#	#
OVERALL (a)	2/100 (2%)	1/100 (1%)	4/100 (4%)	7/150 (5%)	1/150 (1%)	4/150 (3%)
POLY-3 RATE (b)	2/64.46	1/66.28	4/66.38	7/97.08	1/90.5	4/96.48
POLY-3 PERCENT (g)	3.1%	1.5%	6%	7.2%	1.1%	4.2%
TERMINAL (d)	1/27 (4%)	1/21 (5%)	0/21 (0%)	3/37 (8%)	0/34 (0%)	2/46 (4%)
FIRST INCIDENCE	710	730 (T)	218	458	632	589

**STATISTICAL TESTS**

LIFE TABLE	P=0.510N	P=0.320N	P=0.405	P=0.273	P=0.216N	P=0.612N
POLY 3	P=0.550N	P=0.323N	P=0.410	P=0.251	P=0.213N	P=0.622
POLY 1.5	P=0.544N	P=0.325N	P=0.412	P=0.257	P=0.203N	P=0.626
POLY 6	P=0.548N	P=0.322N	P=0.407	P=0.248	P=0.225N	P=0.628
LOGISTIC REGRESSION	P=0.533N	P=0.320N	P=0.423	P=0.276	P=0.164N	P=0.639
COCH-ARM / FISHERS	P=0.544N	P=0.335N	P=0.405	P=0.271	P=0.185N	P=0.639N
ORDER RESTRICTED	(e)	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	(e)



**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**

**Test Type:** CHRONIC-LIFETIME  
**Route:** DOSED FEED  
**Species/Strain:** RATS/SD

Aspartame  
**CAS Number:** 22839-47-0

**Date Report Requested:** 01/28/2008  
**Time Report Requested:** 17:57:48  
**First Dose M/F:** 06/27/97 / 06/27/97  
**Lab:** CRC

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
TERMINAL SACRIFICE AT 105 WEEKS**

---

**Males**

**DOSE**                      **0 PPM**

---

**All Organs**  
**Leukemia: Lymphocytic, Monocytic, Mononuclear, Lymphoblastic, Myeloid, Granulocytic**

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<b>TUMOR RATES</b>	#
OVERALL (a)	4/150 (3%)
POLY-3 RATE (b)	4/99.91
POLY-3 PERCENT (g)	4%
TERMINAL (d)	0/33 (0%)
FIRST INCIDENCE	368

---

**STATISTICAL TESTS**

LIFE TABLE	P=0.267N
POLY 3	P=0.262N
POLY 1.5	P=0.270N
POLY 6	P=0.252N
LOGISTIC REGRESSION	P=0.281N
COCH-ARM / FISHERS	P=0.283N
ORDER RESTRICTED	P=0.485N
MAX-ISO-POLY-3	P=0.504N

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**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**

**Date Report Requested:** 01/28/2008

**Test Type:** CHRONIC-LIFETIME

Aspartame

**Time Report Requested:** 17:57:48

**Route:** DOSED FEED

**CAS Number:** 22839-47-0

**First Dose M/F:** 06/27/97 / 06/27/97

**Species/Strain:** RATS/SD

**Lab:** CRC

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males					
	100000 PPM	50000 PPM	10000 PPM	2000 PPM	400 PPM	80 PPM

**All Organs  
Lymphoma Lymphoblastic**

TUMOR RATES	#	#	#	#	#	#
OVERALL (a)	0/100 (0%)	0/100 (0%)	0/100 (0%)	0/150 (0%)	0/150 (0%)	3/150 (2%)
POLY-3 RATE (b)	0/64.38	0/66.28	0/64.31	0/94.68	0/90.15	3/96.15
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	3.1%
TERMINAL (d)	0/27 (0%)	0/21 (0%)	0/21 (0%)	0/37 (0%)	0/34 (0%)	0/46 (0%)
FIRST INCIDENCE	---	---	---	---	---	650

**STATISTICAL TESTS**

LIFE TABLE	(e)	(e)	(e)	(e)	(e)	P=0.142
POLY 3	(e)	(e)	(e)	(e)	(e)	P=0.118
POLY 1.5	(e)	(e)	(e)	(e)	(e)	P=0.119
POLY 6	(e)	(e)	(e)	(e)	(e)	P=0.122
LOGISTIC REGRESSION	(e)	(e)	(e)	(e)	(e)	P=0.122
COCH-ARM / FISHERS	(e)	(e)	(e)	(e)	(e)	P=0.124
ORDER RESTRICTED	(e)	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	(e)

**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**

Aspartame

CAS Number: 22839-47-0

Date Report Requested: 01/28/2008

Time Report Requested: 17:57:48

First Dose M/F: 06/27/97 / 06/27/97

Lab: CRC

Test Type: CHRONIC-LIFETIME

Route: DOSED FEED

Species/Strain: RATS/SD

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
TERMINAL SACRIFICE AT 105 WEEKS**

---

**Males**

**DOSE**                      **0 PPM**

---

**All Organs**  
**Lymphoma Lymphoblastic**

---

<b>TUMOR RATES</b>	#
OVERALL (a)	0/150 (0%)
POLY-3 RATE (b)	0/97.86
POLY-3 PERCENT (g)	0%
TERMINAL (d)	0/33 (0%)
FIRST INCIDENCE	---

---

**STATISTICAL TESTS**

LIFE TABLE	P=0.294N
POLY 3	P=0.287N
POLY 1.5	P=0.294N
POLY 6	P=0.276N
LOGISTIC REGRESSION	P=0.292N
COCH-ARM / FISHERS	P=0.302N
ORDER RESTRICTED	P=0.177N
MAX-ISO-POLY-3	P=0.213N

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P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Date Report Requested: 01/28/2008

Test Type: CHRONIC-LIFETIME

Aspartame

Time Report Requested: 17:57:48

Route: DOSED FEED

CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
 TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Males					
	100000 PPM	50000 PPM	10000 PPM	2000 PPM	400 PPM	80 PPM

All Organs  
 Lymphoma Lymphocytic

TUMOR RATES	#	#	#	#	#	#
OVERALL (a)	0/100 (0%)	0/100 (0%)	0/100 (0%)	1/150 (1%)	0/150 (0%)	0/150 (0%)
POLY-3 RATE (b)	0/64.38	0/66.28	0/64.31	1/95.28	0/90.15	0/95.71
POLY-3 PERCENT (g)	0%	0%	0%	1.1%	0%	0%
TERMINAL (d)	0/27 (0%)	0/21 (0%)	0/21 (0%)	0/37 (0%)	0/34 (0%)	0/46 (0%)
FIRST INCIDENCE	---	---	---	534	---	---

STATISTICAL TESTS

LIFE TABLE	(e)	(e)	(e)	P=0.488	(e)	(e)
POLY 3	(e)	(e)	(e)	P=0.495	(e)	(e)
POLY 1.5	(e)	(e)	(e)	P=0.496	(e)	(e)
POLY 6	(e)	(e)	(e)	P=0.495	(e)	(e)
LOGISTIC REGRESSION	(e)	(e)	(e)	P=0.512	(e)	(e)
COCH-ARM / FISHERS	(e)	(e)	(e)	P=0.500	(e)	(e)
ORDER RESTRICTED	(e)	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	(e)



P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Date Report Requested: 01/28/2008

Test Type: CHRONIC-LIFETIME

Aspartame

Time Report Requested: 17:57:48

Route: DOSED FEED

CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
 TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Males					
	100000 PPM	50000 PPM	10000 PPM	2000 PPM	400 PPM	80 PPM

All Organs  
 Lymphoma Lymphoimmunoblastic

TUMOR RATES	#	#	#	#	#	#
OVERALL (a)	24/100 (24%)	13/100 (13%)	8/100 (8%)	15/150 (10%)	22/150 (15%)	12/150 (8%)
POLY-3 RATE (b)	24/72.01	13/69.68	8/65.51	15/96.22	22/98.32	12/99.9
POLY-3 PERCENT (g)	33.3%	18.7%	12.2%	15.6%	22.4%	12%
TERMINAL (d)	8/27 (30%)	4/21 (19%)	3/21 (14%)	6/37 (16%)	3/34 (9%)	2/46 (4%)
FIRST INCIDENCE	377	440	523	621	329	489

STATISTICAL TESTS

LIFE TABLE	P=0.034*	P=0.558	P=0.221N	P=0.301N	P=0.264	P=0.124N
POLY 3	P=0.014*	P=0.552	P=0.202N	P=0.377N	P=0.284	P=0.145N
POLY 1.5	P=0.014*	P=0.545	P=0.185N	P=0.340N	P=0.309	P=0.141N
POLY 6	P=0.017*	P=0.556	P=0.234N	P=0.423N	P=0.266	P=0.140N
LOGISTIC REGRESSION	P=0.015*	P=0.549	P=0.174N	P=0.323N	P=0.339	P=0.133N
COCH-ARM / FISHERS	P=0.016*	P=0.542	P=0.170N	P=0.293N	P=0.369	P=0.127N
ORDER RESTRICTED	(e)	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	(e)

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Date Report Requested: 01/28/2008

Test Type: CHRONIC-LIFETIME

Aspartame

Time Report Requested: 17:57:48

Route: DOSED FEED

CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)

TERMINAL SACRIFICE AT 105 WEEKS

Males

DOSE 0 PPM

All Organs  
Lymphoma Lymphoimmunoblastic

TUMOR RATES	#
OVERALL (a)	19/150 (13%)
POLY-3 RATE (b)	19/104.25
POLY-3 PERCENT (g)	18.2%
TERMINAL (d)	2/33 (6%)
FIRST INCIDENCE	449

STATISTICAL TESTS

LIFE TABLE	P=0.002**
POLY 3	P<0.001**
POLY 1.5	P<0.001**
POLY 6	P<0.001**
LOGISTIC REGRESSION	P<0.001**
COCH-ARM / FISHERS	P<0.001**
ORDER RESTRICTED	P<0.001**
MAX-ISO-POLY-3	P<0.001**

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Date Report Requested: 01/28/2008

Test Type: CHRONIC-LIFETIME

Aspartame

Time Report Requested: 17:57:48

Route: DOSED FEED

CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
 TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Males					
	100000 PPM	50000 PPM	10000 PPM	2000 PPM	400 PPM	80 PPM

All Organs  
 Lymphoma Malignant

TUMOR RATES	#	#	#	#	#	#
OVERALL (a)	0/100 (0%)	1/100 (1%)	1/100 (1%)	2/150 (1%)	0/150 (0%)	0/150 (0%)
POLY-3 RATE (b)	0/64.38	1/66.35	1/64.31	2/94.9	0/90.15	0/95.71
POLY-3 PERCENT (g)	0%	1.5%	1.6%	2.1%	0%	0%
TERMINAL (d)	0/27 (0%)	0/21 (0%)	1/21 (5%)	1/37 (3%)	0/34 (0%)	0/46 (0%)
FIRST INCIDENCE	---	712	730 (T)	671	---	---

STATISTICAL TESTS

LIFE TABLE	P=0.348N	P=0.634N	P=0.638N	P=0.689N	P=0.262N	P=0.254N
POLY 3	P=0.338N	P=0.637N	P=0.647N	P=0.678	P=0.260N	P=0.246N
POLY 1.5	P=0.336N	P=0.639N	P=0.643N	P=0.683	P=0.252N	P=0.244N
POLY 6	P=0.335N	P=0.635N	P=0.654N	P=0.675	P=0.268N	P=0.244N
LOGISTIC REGRESSION	P=0.327N	P=0.639N	P=0.639N	P=0.688	P=0.220N	P=0.230N
COCH-ARM / FISHERS	P=0.359N	P=0.649N	P=0.649N	P=0.689N	P=0.249N	P=0.249N
ORDER RESTRICTED	(e)	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	(e)



**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**

Aspartame

CAS Number: 22839-47-0

Date Report Requested: 01/28/2008

Time Report Requested: 17:57:48

First Dose M/F: 06/27/97 / 06/27/97

Lab: CRC

Test Type: CHRONIC-LIFETIME

Route: DOSED FEED

Species/Strain: RATS/SD

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
TERMINAL SACRIFICE AT 105 WEEKS**

---

**Males**

**DOSE**                      **0 PPM**

---

**All Organs**  
**Lymphoma Malignant**

---

<b>TUMOR RATES</b>	#
OVERALL (a)	2/150 (1%)
POLY-3 RATE (b)	2/98.95
POLY-3 PERCENT (g)	2%
TERMINAL (d)	0/33 (0%)
FIRST INCIDENCE	504

---

**STATISTICAL TESTS**

LIFE TABLE	P=0.387N
POLY 3	P=0.383N
POLY 1.5	P=0.390N
POLY 6	P=0.375N
LOGISTIC REGRESSION	P=0.391N
COCH-ARM / FISHERS	P=0.400N
ORDER RESTRICTED	P=0.214N
MAX-ISO-POLY-3	P=0.251N

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P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Date Report Requested: 01/28/2008

Test Type: CHRONIC-LIFETIME

Aspartame

Time Report Requested: 17:57:48

Route: DOSED FEED

CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
 TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Males					
	100000 PPM	50000 PPM	10000 PPM	2000 PPM	400 PPM	80 PPM

All Organs  
 Lymphoma Malignant Lymphocytic

TUMOR RATES	#	#	#	#	#	#
OVERALL (a)	1/100 (1%)	1/100 (1%)	1/100 (1%)	3/150 (2%)	0/150 (0%)	0/150 (0%)
POLY-3 RATE (b)	1/64.59	1/67.04	1/65.05	3/96	0/90.15	0/95.71
POLY-3 PERCENT (g)	1.6%	1.5%	1.5%	3.1%	0%	0%
TERMINAL (d)	0/27 (0%)	0/21 (0%)	0/21 (0%)	0/37 (0%)	0/34 (0%)	0/46 (0%)
FIRST INCIDENCE	675	451	463	539	---	---

STATISTICAL TESTS

LIFE TABLE	P=0.675	P=0.680	P=0.661	P=0.298	P=0.541N	P=0.503N
POLY 3	P=0.665	P=0.674	P=0.667	P=0.299	P=0.517N	P=0.505N
POLY 1.5	P=0.665	P=0.670	P=0.667	P=0.301	P=0.511N	P=0.504N
POLY 6	P=0.670	P=0.679	P=0.665	P=0.300	P=0.523N	P=0.502N
LOGISTIC REGRESSION	P=0.667	P=0.674	P=0.671	P=0.306	P=0.517N	P=0.503N
COCH-ARM / FISHERS	P=0.641	P=0.641	P=0.641	P=0.311	P=0.500N	P=0.500N
ORDER RESTRICTED	(e)	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	(e)

**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**

Aspartame

CAS Number: 22839-47-0

Date Report Requested: 01/28/2008

Time Report Requested: 17:57:48

First Dose M/F: 06/27/97 / 06/27/97

Lab: CRC

Test Type: CHRONIC-LIFETIME

Route: DOSED FEED

Species/Strain: RATS/SD

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
TERMINAL SACRIFICE AT 105 WEEKS**

---

**Males**

**DOSE**                      **0 PPM**

---

**All Organs**  
**Lymphoma Malignant Lymphocytic**

---

<b>TUMOR RATES</b>	<b>#</b>
OVERALL (a)	1/150 (1%)
POLY-3 RATE (b)	1/98.1
POLY-3 PERCENT (g)	1%
TERMINAL (d)	0/33 (0%)
FIRST INCIDENCE	665

---

**STATISTICAL TESTS**

LIFE TABLE	P=0.454
POLY 3	P=0.451
POLY 1.5	P=0.446
POLY 6	P=0.462
LOGISTIC REGRESSION	P=0.432
COCH-ARM / FISHERS	P=0.437
ORDER RESTRICTED	P=0.334
MAX-ISO-POLY-3	P=0.366

---

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

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Test Type: CHRONIC-LIFETIME

Aspartame

Time Report Requested: 17:57:48

Route: DOSED FEED

CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
 TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Males					
	100000 PPM	50000 PPM	10000 PPM	2000 PPM	400 PPM	80 PPM

All Organs

Malignant Lymphoma: Malignant, Lymphocytic, Lymphoma: Lymphoblastic, Lymphoimmunoblastic, Lymphocytic

TUMOR RATES	#	#	#	#	#	#
OVERALL (a)	25/100 (25%)	14/100 (14%)	9/100 (9%)	19/150 (13%)	22/150 (15%)	15/150 (10%)
POLY-3 RATE (b)	25/72.22	14/70.44	9/66.25	19/98.15	22/98.32	15/100.35
POLY-3 PERCENT (g)	34.6%	19.9%	13.6%	19.4%	22.4%	15%
TERMINAL (d)	8/27 (30%)	4/21 (19%)	3/21 (14%)	6/37 (16%)	3/34 (9%)	2/46 (4%)
FIRST INCIDENCE	377	440	463	534	329	489

STATISTICAL TESTS

LIFE TABLE	P=0.044*	P=0.552N	P=0.212N	P=0.443N	P=0.371	P=0.178N
POLY 3	P=0.018*	P=0.572N	P=0.191N	P=0.527N	P=0.400	P=0.219N
POLY 1.5	P=0.018*	P=0.575	P=0.175N	P=0.489N	P=0.431	P=0.210N
POLY 6	P=0.022*	P=0.573N	P=0.223N	P=0.570N	P=0.373	P=0.216N
LOGISTIC REGRESSION	P=0.020*	P=0.573N	P=0.164N	P=0.465N	P=0.471	P=0.195N
COCH-ARM / FISHERS	P=0.022*	P=0.570	P=0.160N	P=0.433N	P=0.500	P=0.187N
ORDER RESTRICTED	(e)	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	(e)

Test Type: CHRONIC-LIFETIME

Aspartame

Time Report Requested: 17:57:48

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CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
 TERMINAL SACRIFICE AT 105 WEEKS

Males

DOSE 0 PPM

All Organs

Malignant Lymphoma: Malignant, Lymphocytic, Lymphoma: Lymphoblastic, Lymphoimmunoblastic, Lymphocytic

TUMOR RATES

#

OVERALL (a) 21/150 (14%)

POLY-3 RATE (b) 21/105.16

POLY-3 PERCENT (g) 20%

TERMINAL (d) 2/33 (6%)

FIRST INCIDENCE 449

STATISTICAL TESTS

LIFE TABLE P=0.004\*\*

POLY 3 P=0.002\*\*

POLY 1.5 P<0.001\*\*

POLY 6 P=0.002\*\*

LOGISTIC REGRESSION P<0.001\*\*

COCH-ARM / FISHERS P<0.001\*\*

ORDER RESTRICTED P=0.003\*\*

MAX-ISO-POLY-3 P=0.003\*\*

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Date Report Requested: 01/28/2008

Test Type: CHRONIC-LIFETIME

Aspartame

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CAS Number: 22839-47-0

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Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
 TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Males					
	100000 PPM	50000 PPM	10000 PPM	2000 PPM	400 PPM	80 PPM

All Organs  
 Mesothelioma: Benign, Malignant, NOS

TUMOR RATES	#	#	#	#	#	#
OVERALL (a)	0/100 (0%)	1/100 (1%)	0/100 (0%)	0/150 (0%)	1/150 (1%)	0/150 (0%)
POLY-3 RATE (b)	0/64.38	1/66.64	0/64.31	0/94.68	1/90.15	0/95.71
POLY-3 PERCENT (g)	0%	1.5%	0%	0%	1.1%	0%
TERMINAL (d)	0/27 (0%)	0/21 (0%)	0/21 (0%)	0/37 (0%)	1/34 (3%)	0/46 (0%)
FIRST INCIDENCE	---	626	---	---	730 (T)	---

STATISTICAL TESTS

LIFE TABLE	P=0.283N	P=0.638N	P=0.342N	P=0.213N	P=0.490N	P=0.169N
POLY 3	P=0.335N	P=0.632N	P=0.335N	P=0.246N	P=0.528N	P=0.243N
POLY 1.5	P=0.335N	P=0.637N	P=0.334N	P=0.244N	P=0.519N	P=0.243N
POLY 6	P=0.330N	P=0.626N	P=0.338N	P=0.246N	P=0.538N	P=0.239N
LOGISTIC REGRESSION	(e)	P=0.628N	(e)	(e)	P=0.490N	(e)
COCH-ARM / FISHERS	P=0.359N	P=0.649N	P=0.359N	P=0.249N	P=0.500N	P=0.249N
ORDER RESTRICTED	(e)	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	(e)

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Date Report Requested: 01/28/2008

Test Type: CHRONIC-LIFETIME

Aspartame

Time Report Requested: 17:57:48

Route: DOSED FEED

CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)

TERMINAL SACRIFICE AT 105 WEEKS

Males

DOSE 0 PPM

All Organs  
Mesothelioma: Benign, Malignant, NOS

TUMOR RATES	#
OVERALL (a)	2/150 (1%)
POLY-3 RATE (b)	2/97.86
POLY-3 PERCENT (g)	2%
TERMINAL (d)	2/33 (6%)
FIRST INCIDENCE	730 (T)

STATISTICAL TESTS

LIFE TABLE	P=0.506N
POLY 3	P=0.506N
POLY 1.5	P=0.510N
POLY 6	P=0.501N
LOGISTIC REGRESSION	P=0.496N
COCH-ARM / FISHERS	P=0.516N
ORDER RESTRICTED	P=0.123N
MAX-ISO-POLY-3	P=0.158N

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Date Report Requested: 01/28/2008

Test Type: CHRONIC-LIFETIME

Aspartame

Time Report Requested: 17:57:48

Route: DOSED FEED

CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
 TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Males					
	100000 PPM	50000 PPM	10000 PPM	2000 PPM	400 PPM	80 PPM

All Organs  
 Mesothelioma: Malignant

TUMOR RATES	#	#	#	#	#	#
OVERALL (a)	0/100 (0%)	1/100 (1%)	0/100 (0%)	0/150 (0%)	1/150 (1%)	0/150 (0%)
POLY-3 RATE (b)	0/64.38	1/66.64	0/64.31	0/94.68	1/90.15	0/95.71
POLY-3 PERCENT (g)	0%	1.5%	0%	0%	1.1%	0%
TERMINAL (d)	0/27 (0%)	0/21 (0%)	0/21 (0%)	0/37 (0%)	1/34 (3%)	0/46 (0%)
FIRST INCIDENCE	---	626	---	---	730 (T)	---

STATISTICAL TESTS

LIFE TABLE	P=0.283N	P=0.638N	P=0.342N	P=0.213N	P=0.490N	P=0.169N
POLY 3	P=0.335N	P=0.632N	P=0.335N	P=0.246N	P=0.528N	P=0.243N
POLY 1.5	P=0.335N	P=0.637N	P=0.334N	P=0.244N	P=0.519N	P=0.243N
POLY 6	P=0.330N	P=0.626N	P=0.338N	P=0.246N	P=0.538N	P=0.239N
LOGISTIC REGRESSION	(e)	P=0.628N	(e)	(e)	P=0.490N	(e)
COCH-ARM / FISHERS	P=0.359N	P=0.649N	P=0.359N	P=0.249N	P=0.500N	P=0.249N
ORDER RESTRICTED	(e)	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	(e)



P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Date Report Requested: 01/28/2008

Test Type: CHRONIC-LIFETIME

Aspartame

Time Report Requested: 17:57:48

Route: DOSED FEED

CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
TERMINAL SACRIFICE AT 105 WEEKS

---

Males

DOSE                      0 PPM

---

All Organs  
Mesothelioma: Malignant

---

<b>TUMOR RATES</b>	#
OVERALL (a)	2/150 (1%)
POLY-3 RATE (b)	2/97.86
POLY-3 PERCENT (g)	2%
TERMINAL (d)	2/33 (6%)
FIRST INCIDENCE	730 (T)

---

STATISTICAL TESTS

LIFE TABLE	P=0.506N
POLY 3	P=0.506N
POLY 1.5	P=0.510N
POLY 6	P=0.501N
LOGISTIC REGRESSION	P=0.496N
COCH-ARM / FISHERS	P=0.516N
ORDER RESTRICTED	P=0.123N
MAX-ISO-POLY-3	P=0.158N

---

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Date Report Requested: 01/28/2008

Test Type: CHRONIC-LIFETIME

Aspartame

Time Report Requested: 17:57:48

Route: DOSED FEED

CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
 TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Males					
	100000 PPM	50000 PPM	10000 PPM	2000 PPM	400 PPM	80 PPM

All Organs  
 Osteoma

TUMOR RATES	#	#	#	#	#	#
OVERALL (a)	0/100 (0%)	0/100 (0%)	3/100 (3%)	1/150 (1%)	2/150 (1%)	4/150 (3%)
POLY-3 RATE (b)	0/64.38	0/66.28	3/65.76	1/94.68	2/91.12	4/97.64
POLY-3 PERCENT (g)	0%	0%	4.6%	1.1%	2.2%	4.1%
TERMINAL (d)	0/27 (0%)	0/21 (0%)	0/21 (0%)	1/37 (3%)	0/34 (0%)	0/46 (0%)
FIRST INCIDENCE	---	---	504	730 (T)	508	527

STATISTICAL TESTS

LIFE TABLE	(e)	(e)	P=0.070	P=0.523	P=0.215	P=0.061
POLY 3	(e)	(e)	P=0.060	P=0.493	P=0.223	P=0.063
POLY 1.5	(e)	(e)	P=0.060	P=0.496	P=0.228	P=0.063
POLY 6	(e)	(e)	P=0.061	P=0.492	P=0.219	P=0.067
LOGISTIC REGRESSION	(e)	(e)	P=0.063	P=0.523	P=0.246	P=0.068
COCH-ARM / FISHERS	(e)	(e)	P=0.063	P=0.500	P=0.249	P=0.061
ORDER RESTRICTED	(e)	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	(e)



P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Date Report Requested: 01/28/2008

Test Type: CHRONIC-LIFETIME

Aspartame

Time Report Requested: 17:57:48

Route: DOSED FEED

CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
 TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Males					
	100000 PPM	50000 PPM	10000 PPM	2000 PPM	400 PPM	80 PPM

All Organs  
 Osteosarcoma

TUMOR RATES	#	#	#	#	#	#
OVERALL (a)	3/100 (3%)	2/100 (2%)	5/100 (5%)	10/150 (7%)	6/150 (4%)	8/150 (5%)
POLY-3 RATE (b)	3/66.11	2/67.95	5/65.84	10/97.48	6/92.94	8/98.59
POLY-3 PERCENT (g)	4.5%	2.9%	7.6%	10.3%	6.5%	8.1%
TERMINAL (d)	0/27 (0%)	0/21 (0%)	1/21 (5%)	2/37 (5%)	1/34 (3%)	2/46 (4%)
FIRST INCIDENCE	506	377	525	406	489	296

STATISTICAL TESTS

LIFE TABLE	P=0.301N	P=0.229N	P=0.540	P=0.348	P=0.516N	P=0.586N
POLY 3	P=0.362N	P=0.202N	P=0.578	P=0.300	P=0.540N	P=0.505
POLY 1.5	P=0.369N	P=0.213N	P=0.574	P=0.301	P=0.530N	P=0.497
POLY 6	P=0.339N	P=0.189N	P=0.586	P=0.310	P=0.544N	P=0.535
LOGISTIC REGRESSION	P=0.373N	P=0.218N	P=0.553	P=0.282	P=0.556N	P=0.486
COCH-ARM / FISHERS	P=0.379N	P=0.227N	P=0.564	P=0.309	P=0.500N	P=0.500
ORDER RESTRICTED	(e)	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	(e)

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Date Report Requested: 01/28/2008

Test Type: CHRONIC-LIFETIME

Aspartame

Time Report Requested: 17:57:48

Route: DOSED FEED

CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)

TERMINAL SACRIFICE AT 105 WEEKS

Males

DOSE 0 PPM

All Organs  
Osteosarcoma

TUMOR RATES	#
OVERALL (a)	7/150 (5%)
POLY-3 RATE (b)	7/98
POLY-3 PERCENT (g)	7.1%
TERMINAL (d)	6/33 (18%)
FIRST INCIDENCE	693

STATISTICAL TESTS

LIFE TABLE	P=0.102N
POLY 3	P=0.092N
POLY 1.5	P=0.101N
POLY 6	P=0.081N
LOGISTIC REGRESSION	P=0.110N
COCH-ARM / FISHERS	P=0.113N
ORDER RESTRICTED	P=0.290N
MAX-ISO-POLY-3	P=0.179N

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Date Report Requested: 01/28/2008

Test Type: CHRONIC-LIFETIME

Aspartame

Time Report Requested: 17:57:48

Route: DOSED FEED

CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
 TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Males					
	100000 PPM	50000 PPM	10000 PPM	2000 PPM	400 PPM	80 PPM

All Organs  
 Osteosarcoma or Osteoma

TUMOR RATES	#	#	#	#	#	#
OVERALL (a)	3/100 (3%)	2/100 (2%)	8/100 (8%)	11/150 (7%)	8/150 (5%)	12/150 (8%)
POLY-3 RATE (b)	3/66.11	2/67.95	8/67.29	11/97.48	8/93.92	12/100.52
POLY-3 PERCENT (g)	4.5%	2.9%	11.9%	11.3%	8.5%	11.9%
TERMINAL (d)	0/27 (0%)	0/21 (0%)	1/21 (5%)	3/37 (8%)	1/34 (3%)	2/46 (4%)
FIRST INCIDENCE	506	377	504	406	489	296

STATISTICAL TESTS

LIFE TABLE	P=0.301N	P=0.229N	P=0.193	P=0.270	P=0.473	P=0.247
POLY 3	P=0.362N	P=0.202N	P=0.219	P=0.223	P=0.466	P=0.180
POLY 1.5	P=0.369N	P=0.213N	P=0.212	P=0.225	P=0.472	P=0.171
POLY 6	P=0.339N	P=0.189N	P=0.232	P=0.230	P=0.468	P=0.210
LOGISTIC REGRESSION	P=0.373N	P=0.218N	P=0.195	P=0.208	P=0.450	P=0.162
COCH-ARM / FISHERS	P=0.379N	P=0.227N	P=0.206	P=0.233	P=0.500	P=0.172
ORDER RESTRICTED	(e)	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	(e)



P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Date Report Requested: 01/28/2008

Test Type: CHRONIC-LIFETIME

Aspartame

Time Report Requested: 17:57:48

Route: DOSED FEED

CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
 TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Males					
	100000 PPM	50000 PPM	10000 PPM	2000 PPM	400 PPM	80 PPM
<b>All Organs</b>						
<b>Benign Tumors</b>						
<b>TUMOR RATES</b>	#	#	#	#	#	#
OVERALL (a)	66/100 (66%)	71/100 (71%)	77/100 (77%)	87/150 (58%)	99/150 (66%)	82/150 (55%)
POLY-3 RATE (b)	66/81.99	71/85.87	77/87.62	87/119.58	99/122.54	82/120.59
POLY-3 PERCENT (g)	80.5%	82.7%	87.9%	72.8%	80.8%	68%
TERMINAL (d)	24/27 (89%)	17/21 (81%)	17/21 (81%)	33/37 (89%)	29/34 (85%)	30/46 (65%)
FIRST INCIDENCE	404	396	394	313	368	375
<b>STATISTICAL TESTS</b>						
LIFE TABLE	P=0.520N	P=0.217	P=0.043*	P=0.302N	P=0.165	P=0.055N
POLY 3	P=0.225	P=0.113	P=0.009**	P=0.348N	P=0.168	P=0.098N
POLY 1.5	P=0.252	P=0.087	P=0.006**	P=0.305N	P=0.178	P=0.102N
POLY 6	P=0.234	P=0.164	P=0.024*	P=0.444N	P=0.174	P=0.107N
LOGISTIC REGRESSION	P=0.223	P=0.081	P=0.004**	P=0.363N	P=0.095	P=0.154N
COCH-ARM / FISHERS	P=0.306	P=0.091	P=0.009**	P=0.278N	P=0.274	P=0.121N
ORDER RESTRICTED	(e)	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	(e)



**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**

**Test Type:** CHRONIC-LIFETIME  
**Route:** DOSED FEED  
**Species/Strain:** RATS/SD

Aspartame  
**CAS Number:** 22839-47-0

**Date Report Requested:** 01/28/2008  
**Time Report Requested:** 17:57:48  
**First Dose M/F:** 06/27/97 / 06/27/97  
**Lab:** CRC

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
TERMINAL SACRIFICE AT 105 WEEKS**

---

**Males**

**DOSE**                      **0 PPM**

---

**All Organs  
Benign Tumors**

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<b>TUMOR RATES</b>	<b>#</b>
OVERALL (a)	93/150 (62%)
POLY-3 RATE (b)	93/123.14
POLY-3 PERCENT (g)	75.5%
TERMINAL (d)	26/33 (79%)
FIRST INCIDENCE	393

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**STATISTICAL TESTS**

LIFE TABLE	P=0.299
POLY 3	P=0.058
POLY 1.5	P=0.062
POLY 6	P=0.078
LOGISTIC REGRESSION	P=0.102
COCH-ARM / FISHERS	P=0.082
ORDER RESTRICTED	P=0.021*
MAX-ISO-POLY-3	P=0.034*

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P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Date Report Requested: 01/28/2008

Test Type: CHRONIC-LIFETIME

Aspartame

Time Report Requested: 17:57:48

Route: DOSED FEED

CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
 TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Males					
	100000 PPM	50000 PPM	10000 PPM	2000 PPM	400 PPM	80 PPM

All Organs  
 Malignant Tumors

TUMOR RATES	#	#	#	#	#	#
OVERALL (a)	43/100 (43%)	38/100 (38%)	34/100 (34%)	60/150 (40%)	48/150 (32%)	44/150 (29%)
POLY-3 RATE (b)	43/77.46	38/78.68	34/72.17	60/110.55	48/105.8	44/108.62
POLY-3 PERCENT (g)	55.5%	48.3%	47.1%	54.3%	45.4%	40.5%
TERMINAL (d)	14/27 (52%)	9/21 (43%)	14/21 (67%)	16/37 (43%)	15/34 (44%)	13/46 (28%)
FIRST INCIDENCE	334	127	218	394	329	296

STATISTICAL TESTS

LIFE TABLE	P=0.302	P=0.417	P=0.540	P=0.286	P=0.472N	P=0.090N
POLY 3	P=0.166	P=0.529	P=0.530N	P=0.184	P=0.411N	P=0.161N
POLY 1.5	P=0.150	P=0.460	P=0.492N	P=0.195	P=0.383N	P=0.169N
POLY 6	P=0.214	P=0.517N	P=0.534	P=0.201	P=0.439N	P=0.127N
LOGISTIC REGRESSION	P=0.120	P=0.390	P=0.491N	P=0.175	P=0.435N	P=0.185N
COCH-ARM / FISHERS	P=0.138	P=0.383	P=0.469N	P=0.237	P=0.313N	P=0.162N
ORDER RESTRICTED	(e)	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	(e)

**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**

Aspartame

CAS Number: 22839-47-0

Date Report Requested: 01/28/2008

Time Report Requested: 17:57:48

First Dose M/F: 06/27/97 / 06/27/97

Lab: CRC

Test Type: CHRONIC-LIFETIME

Route: DOSED FEED

Species/Strain: RATS/SD

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)**

**TERMINAL SACRIFICE AT 105 WEEKS**

---

**Males**

**DOSE**                      **0 PPM**

---

**All Organs  
Malignant Tumors**

---

<b>TUMOR RATES</b>	<b>#</b>
OVERALL (a)	53/150 (35%)
POLY-3 RATE (b)	53/111.06
POLY-3 PERCENT (g)	47.7%
TERMINAL (d)	15/33 (46%)
FIRST INCIDENCE	368

---

**STATISTICAL TESTS**

LIFE TABLE	P=0.118
POLY 3	P=0.083
POLY 1.5	P=0.061
POLY 6	P=0.124
LOGISTIC REGRESSION	P=0.046*
COCH-ARM / FISHERS	P=0.037*
ORDER RESTRICTED	P=0.095
MAX-ISO-POLY-3	P=0.119

---

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

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Test Type: CHRONIC-LIFETIME

Aspartame

Time Report Requested: 17:57:48

Route: DOSED FEED

CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
 TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Males					
	100000 PPM	50000 PPM	10000 PPM	2000 PPM	400 PPM	80 PPM

All Organs  
 Malignant and Benign Tumors

TUMOR RATES	#	#	#	#	#	#
OVERALL (a)	82/100 (82%)	86/100 (86%)	83/100 (83%)	114/150 (76%)	119/150 (79%)	109/150 (73%)
POLY-3 RATE (b)	82/90.08	86/92.59	83/91.08	114/127.8	119/131.81	109/131.08
POLY-3 PERCENT (g)	91%	92.9%	91.1%	89.2%	90.3%	83.2%
TERMINAL (d)	25/27 (93%)	20/21 (95%)	18/21 (86%)	35/37 (95%)	31/34 (91%)	36/46 (78%)
FIRST INCIDENCE	334	127	218	313	329	296

STATISTICAL TESTS

LIFE TABLE	P=0.493	P=0.205	P=0.198	P=0.513N	P=0.178	P=0.141N
POLY 3	P=0.223	P=0.090	P=0.216	P=0.370	P=0.254	P=0.183N
POLY 1.5	P=0.194	P=0.052	P=0.156	P=0.458	P=0.217	P=0.226N
POLY 6	P=0.306	P=0.169	P=0.361	P=0.270	P=0.346	P=0.145N
LOGISTIC REGRESSION	P=0.104	P=0.025*	P=0.089	P=0.394	P=0.085	P=0.382N
COCH-ARM / FISHERS	P=0.165	P=0.036*	P=0.121	P=0.554N	P=0.290	P=0.299N
ORDER RESTRICTED	(e)	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	(e)

Test Type: CHRONIC-LIFETIME

Aspartame

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Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
TERMINAL SACRIFICE AT 105 WEEKS

Males

DOSE 0 PPM

All Organs  
Malignant and Benign Tumors

TUMOR RATES	#
OVERALL (a)	114/150 (76%)
POLY-3 RATE (b)	114/130.5
POLY-3 PERCENT (g)	87.4%
TERMINAL (d)	30/33 (91%)
FIRST INCIDENCE	368

STATISTICAL TESTS

LIFE TABLE	P=0.316
POLY 3	P=0.066
POLY 1.5	P=0.050*
POLY 6	P=0.107
LOGISTIC REGRESSION	P=0.043*
COCH-ARM / FISHERS	P=0.035*
ORDER RESTRICTED	P=0.060
MAX-ISO-POLY-3	P=0.081

**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**

Date Report Requested: 01/28/2008

Test Type: CHRONIC-LIFETIME

Aspartame

Time Report Requested: 17:57:48

Route: DOSED FEED

CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females					
	100000 PPM	50000 PPM	10000 PPM	2000 PPM	400 PPM	80 PPM
<b>Adrenal Cortex Adenoma</b>						
<b>TUMOR RATES</b>						
OVERALL (a)	8/100 (8%)	2/99 (2%)	7/100 (7%)	11/150 (7%)	9/150 (6%)	10/150 (7%)
POLY-3 RATE (b)	8/76.57	2/70.29	7/72.54	11/100.1	9/104.38	10/98.45
POLY-3 PERCENT (g)	10.5%	2.9%	9.7%	11%	8.6%	10.2%
TERMINAL (d)	5/45 (11%)	1/36 (3%)	2/30 (7%)	5/45 (11%)	5/45 (11%)	4/46 (9%)
FIRST INCIDENCE	631	559	543	550	416	584
<b>STATISTICAL TESTS</b>						
LIFE TABLE	P=0.212	P=0.437N	P=0.137	P=0.084	P=0.176	P=0.114
POLY 3	P=0.081	P=0.504N	P=0.118	P=0.054	P=0.145	P=0.079
POLY 1.5	P=0.066	P=0.519N	P=0.106	P=0.052	P=0.138	P=0.080
POLY 6	P=0.110	P=0.480N	P=0.137	P=0.059	P=0.157	P=0.082
LOGISTIC REGRESSION	P=0.117	P=0.501N	P=0.112	P=0.061	P=0.148	P=0.083
COCH-ARM / FISHERS	P=0.053	P=0.549N	P=0.094	P=0.055	P=0.128	P=0.085
ORDER RESTRICTED	(e)	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	(e)

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Date Report Requested: 01/28/2008

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Aspartame

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Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
TERMINAL SACRIFICE AT 105 WEEKS

Females

DOSE 0 PPM

Adrenal Cortex  
Adenoma

TUMOR RATES

OVERALL (a)	4/150 (3%)
POLY-3 RATE (b)	4/99.27
POLY-3 PERCENT (g)	4%
TERMINAL (d)	2/40 (5%)
FIRST INCIDENCE	578

STATISTICAL TESTS

LIFE TABLE	P=0.332N
POLY 3	P=0.530
POLY 1.5	P=0.483
POLY 6	P=0.503N
LOGISTIC REGRESSION	P=0.499N
COCH-ARM / FISHERS	P=0.421
ORDER RESTRICTED	P=0.109
MAX-ISO-POLY-3	P=0.121

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Date Report Requested: 01/28/2008

Test Type: CHRONIC-LIFETIME

Aspartame

Time Report Requested: 17:57:48

Route: DOSED FEED

CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
 TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Females					
	100000 PPM	50000 PPM	10000 PPM	2000 PPM	400 PPM	80 PPM
<b>Adrenal Cortex Carcinoma</b>						
<b>TUMOR RATES</b>						
OVERALL (a)	1/100 (1%)	2/99 (2%)	2/100 (2%)	2/150 (1%)	2/150 (1%)	2/150 (1%)
POLY-3 RATE (b)	1/75.87	2/69.82	2/70.8	2/98.95	2/103.09	2/97.39
POLY-3 PERCENT (g)	1.3%	2.9%	2.8%	2%	1.9%	2.1%
TERMINAL (d)	1/45 (2%)	1/36 (3%)	1/30 (3%)	2/45 (4%)	1/45 (2%)	1/46 (2%)
FIRST INCIDENCE	730 (T)	709	701	730 (T)	662	669
<b>STATISTICAL TESTS</b>						
LIFE TABLE	P=0.312N	P=0.573N	P=0.608N	P=0.464N	P=0.462N	P=0.479N
POLY 3	P=0.405N	P=0.657N	P=0.651N	P=0.502N	P=0.483N	P=0.509N
POLY 1.5	P=0.429N	P=0.667N	P=0.661N	P=0.505N	P=0.490N	P=0.506N
POLY 6	P=0.373N	P=0.639N	P=0.635N	P=0.494N	P=0.472N	P=0.505N
LOGISTIC REGRESSION	P=0.381N	P=0.633N	P=0.631N	P=0.484N	P=0.473N	P=0.502N
COCH-ARM / FISHERS	P=0.475N	P=0.661	P=0.665	P=0.500N	P=0.500N	P=0.500N
ORDER RESTRICTED	(e)	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	(e)



**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**

**Date Report Requested:** 01/28/2008

**Test Type:** CHRONIC-LIFETIME

Aspartame

**Time Report Requested:** 17:57:48

**Route:** DOSED FEED

**CAS Number:** 22839-47-0

**First Dose M/F:** 06/27/97 / 06/27/97

**Species/Strain:** RATS/SD

**Lab:** CRC

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
TERMINAL SACRIFICE AT 105 WEEKS**

---

**Females**

**DOSE**                      **0 PPM**

---

**Adrenal Cortex  
Carcinoma**

---

**TUMOR RATES**

OVERALL (a)	3/150 (2%)
POLY-3 RATE (b)	3/99.3
POLY-3 PERCENT (g)	3%
TERMINAL (d)	1/40 (3%)
FIRST INCIDENCE	621

---

**STATISTICAL TESTS**

LIFE TABLE	P=0.311N
POLY 3	P=0.421N
POLY 1.5	P=0.448N
POLY 6	P=0.385N
LOGISTIC REGRESSION	P=0.370N
COCH-ARM / FISHERS	P=0.486N
ORDER RESTRICTED	P=0.439N
MAX-ISO-POLY-3	P=0.443N

---

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Date Report Requested: 01/28/2008

Test Type: CHRONIC-LIFETIME

Aspartame

Time Report Requested: 17:57:48

Route: DOSED FEED

CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
 TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Females					
	100000 PPM	50000 PPM	10000 PPM	2000 PPM	400 PPM	80 PPM

Adrenal Cortex  
 Leukemia Lymphoblastic

TUMOR RATES

OVERALL (a)	0/100 (0%)	0/99 (0%)	0/100 (0%)	2/150 (1%)	0/150 (0%)	0/150 (0%)
POLY-3 RATE (b)	0/75.87	0/69.74	0/70.68	2/100.93	0/102.84	0/97.16
POLY-3 PERCENT (g)	0%	0%	0%	2%	0%	0%
TERMINAL (d)	0/45 (0%)	0/36 (0%)	0/30 (0%)	0/45 (0%)	0/45 (0%)	0/46 (0%)
FIRST INCIDENCE	---	---	---	100	---	---

STATISTICAL TESTS

LIFE TABLE	(e)	(e)	(e)	P=0.238	(e)	(e)
POLY 3	(e)	(e)	(e)	P=0.243	(e)	(e)
POLY 1.5	(e)	(e)	(e)	P=0.240	(e)	(e)
POLY 6	(e)	(e)	(e)	P=0.250	(e)	(e)
LOGISTIC REGRESSION	(e)	(e)	(e)	P=0.806	(e)	(e)
COCH-ARM / FISHERS	(e)	(e)	(e)	P=0.249	(e)	(e)
ORDER RESTRICTED	(e)	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	(e)

**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**

Aspartame

CAS Number: 22839-47-0

Date Report Requested: 01/28/2008

Time Report Requested: 17:57:48

First Dose M/F: 06/27/97 / 06/27/97

Lab: CRC

Test Type: CHRONIC-LIFETIME

Route: DOSED FEED

Species/Strain: RATS/SD

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
TERMINAL SACRIFICE AT 105 WEEKS**

---

**Females**

**DOSE**                      **0 PPM**

---

**Adrenal Cortex**  
**Leukemia Lymphoblastic**

---

**TUMOR RATES**

OVERALL (a)	0/150 (0%)
POLY-3 RATE (b)	0/98.69
POLY-3 PERCENT (g)	0%
TERMINAL (d)	0/40 (0%)
FIRST INCIDENCE	---

---

**STATISTICAL TESTS**

LIFE TABLE	P=0.436N
POLY 3	P=0.432N
POLY 1.5	P=0.435N
POLY 6	P=0.426N
LOGISTIC REGRESSION	P=0.525N
COCH-ARM / FISHERS	P=0.437N
ORDER RESTRICTED	P=0.452
MAX-ISO-POLY-3	P=0.455

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P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Date Report Requested: 01/28/2008

Test Type: CHRONIC-LIFETIME

Aspartame

Time Report Requested: 17:57:48

Route: DOSED FEED

CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
 TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Females					
	100000 PPM	50000 PPM	10000 PPM	2000 PPM	400 PPM	80 PPM

Adrenal Cortex  
 Leukemia Monocytic

TUMOR RATES

OVERALL (a)	0/100 (0%)	2/99 (2%)	0/100 (0%)	0/150 (0%)	1/150 (1%)	0/150 (0%)
POLY-3 RATE (b)	0/75.87	2/70.92	0/70.68	0/98.95	1/102.84	0/97.16
POLY-3 PERCENT (g)	0%	2.8%	0%	0%	1%	0%
TERMINAL (d)	0/45 (0%)	0/36 (0%)	0/30 (0%)	0/45 (0%)	1/45 (2%)	0/46 (0%)
FIRST INCIDENCE	---	503	---	---	730 (T)	---

STATISTICAL TESTS

LIFE TABLE	(e)	P=0.159	(e)	(e)	P=0.523	(e)
POLY 3	(e)	P=0.167	(e)	(e)	P=0.508	(e)
POLY 1.5	(e)	P=0.160	(e)	(e)	P=0.505	(e)
POLY 6	(e)	P=0.178	(e)	(e)	P=0.514	(e)
LOGISTIC REGRESSION	(e)	P=0.139	(e)	(e)	P=0.523	(e)
COCH-ARM / FISHERS	(e)	P=0.157	(e)	(e)	P=0.500	(e)
ORDER RESTRICTED	(e)	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	(e)

**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**

Aspartame

CAS Number: 22839-47-0

Date Report Requested: 01/28/2008

Time Report Requested: 17:57:48

First Dose M/F: 06/27/97 / 06/27/97

Lab: CRC

Test Type: CHRONIC-LIFETIME

Route: DOSED FEED

Species/Strain: RATS/SD

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
TERMINAL SACRIFICE AT 105 WEEKS**

---

**Females**

**DOSE**                      **0 PPM**

---

**Adrenal Cortex  
Leukemia Monocytic**

---

**TUMOR RATES**

OVERALL (a)	0/150 (0%)
POLY-3 RATE (b)	0/98.69
POLY-3 PERCENT (g)	0%
TERMINAL (d)	0/40 (0%)
FIRST INCIDENCE	---

---

**STATISTICAL TESTS**

LIFE TABLE	P=0.410
POLY 3	P=0.429
POLY 1.5	P=0.398
POLY 6	P=0.472
LOGISTIC REGRESSION	P=0.343
COCH-ARM / FISHERS	P=0.356
ORDER RESTRICTED	P=0.186
MAX-ISO-POLY-3	P=0.198

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P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Date Report Requested: 01/28/2008

Test Type: CHRONIC-LIFETIME

Aspartame

Time Report Requested: 17:57:48

Route: DOSED FEED

CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
 TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Females					
	100000 PPM	50000 PPM	10000 PPM	2000 PPM	400 PPM	80 PPM

Adrenal Cortex  
 Leukemia Myeloid

TUMOR RATES

OVERALL (a)	2/100 (2%)	1/99 (1%)	0/100 (0%)	1/150 (1%)	0/150 (0%)	0/150 (0%)
POLY-3 RATE (b)	2/76.77	1/69.93	0/70.68	1/98.96	0/102.84	0/97.16
POLY-3 PERCENT (g)	2.6%	1.4%	0%	1%	0%	0%
TERMINAL (d)	1/45 (2%)	0/36 (0%)	0/30 (0%)	0/45 (0%)	0/45 (0%)	0/46 (0%)
FIRST INCIDENCE	331	680	---	729	---	---

STATISTICAL TESTS

LIFE TABLE	P=0.211	P=0.460	(e)	P=0.532	(e)	(e)
POLY 3	P=0.182	P=0.431	(e)	P=0.501	(e)	(e)
POLY 1.5	P=0.170	P=0.425	(e)	P=0.498	(e)	(e)
POLY 6	P=0.202	P=0.441	(e)	P=0.505	(e)	(e)
LOGISTIC REGRESSION	P=0.110	P=0.435	(e)	P=0.530	(e)	(e)
COCH-ARM / FISHERS	P=0.159	P=0.398	(e)	P=0.500	(e)	(e)
ORDER RESTRICTED	(e)	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	(e)

Test Type: CHRONIC-LIFETIME

Aspartame

Time Report Requested: 17:57:48

Route: DOSED FEED

CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
 TERMINAL SACRIFICE AT 105 WEEKS

Females

DOSE 0 PPM

Adrenal Cortex  
 Leukemia Myeloid

TUMOR RATES

OVERALL (a)	0/150 (0%)
POLY-3 RATE (b)	0/98.69
POLY-3 PERCENT (g)	0%
TERMINAL (d)	0/40 (0%)
FIRST INCIDENCE	---

STATISTICAL TESTS

LIFE TABLE	P=0.024*
POLY 3	P=0.012*
POLY 1.5	P=0.011*
POLY 6	P=0.015*
LOGISTIC REGRESSION	P=0.008**
COCH-ARM / FISHERS	P=0.009**
ORDER RESTRICTED	P=0.026*
MAX-ISO-POLY-3	P=0.024*

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Date Report Requested: 01/28/2008

Test Type: CHRONIC-LIFETIME

Aspartame

Time Report Requested: 17:57:48

Route: DOSED FEED

CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
 TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Females					
	100000 PPM	50000 PPM	10000 PPM	2000 PPM	400 PPM	80 PPM

Adrenal Medulla  
 Leukemia Lymphoblastic

TUMOR RATES

OVERALL (a)	0/100 (0%)	0/99 (0%)	0/100 (0%)	2/150 (1%)	0/149 (0%)	0/150 (0%)
POLY-3 RATE (b)	0/75.87	0/69.74	0/70.68	2/100.93	0/102.05	0/97.16
POLY-3 PERCENT (g)	0%	0%	0%	2%	0%	0%
TERMINAL (d)	0/45 (0%)	0/36 (0%)	0/30 (0%)	0/45 (0%)	0/45 (0%)	0/46 (0%)
FIRST INCIDENCE	---	---	---	100	---	---

STATISTICAL TESTS

LIFE TABLE	(e)	(e)	(e)	P=0.238	(e)	(e)
POLY 3	(e)	(e)	(e)	P=0.244	(e)	(e)
POLY 1.5	(e)	(e)	(e)	P=0.241	(e)	(e)
POLY 6	(e)	(e)	(e)	P=0.250	(e)	(e)
LOGISTIC REGRESSION	(e)	(e)	(e)	P=0.806	(e)	(e)
COCH-ARM / FISHERS	(e)	(e)	(e)	P=0.251	(e)	(e)
ORDER RESTRICTED	(e)	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	(e)



**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**

Aspartame

CAS Number: 22839-47-0

Date Report Requested: 01/28/2008

Time Report Requested: 17:57:48

First Dose M/F: 06/27/97 / 06/27/97

Lab: CRC

Test Type: CHRONIC-LIFETIME

Route: DOSED FEED

Species/Strain: RATS/SD

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)**

**TERMINAL SACRIFICE AT 105 WEEKS**

---

**Females**

**DOSE**                      **0 PPM**

---

**Adrenal Medulla**  
**Leukemia Lymphoblastic**

---

**TUMOR RATES**

OVERALL (a)	0/149 (0%)
POLY-3 RATE (b)	0/98.28
POLY-3 PERCENT (g)	0%
TERMINAL (d)	0/40 (0%)
FIRST INCIDENCE	---

---

**STATISTICAL TESTS**

LIFE TABLE	P=0.436N
POLY 3	P=0.431N
POLY 1.5	P=0.435N
POLY 6	P=0.425N
LOGISTIC REGRESSION	P=0.525N
COCH-ARM / FISHERS	P=0.437N
ORDER RESTRICTED	P=0.452
MAX-ISO-POLY-3	P=0.455

---

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Date Report Requested: 01/28/2008

Test Type: CHRONIC-LIFETIME

Aspartame

Time Report Requested: 17:57:48

Route: DOSED FEED

CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
 TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Females					
	100000 PPM	50000 PPM	10000 PPM	2000 PPM	400 PPM	80 PPM

Adrenal Medulla  
 Leukemia Monocytic

TUMOR RATES

OVERALL (a)	0/100 (0%)	2/99 (2%)	0/100 (0%)	0/150 (0%)	1/149 (1%)	0/150 (0%)
POLY-3 RATE (b)	0/75.87	2/70.92	0/70.68	0/98.95	1/102.05	0/97.16
POLY-3 PERCENT (g)	0%	2.8%	0%	0%	1%	0%
TERMINAL (d)	0/45 (0%)	0/36 (0%)	0/30 (0%)	0/45 (0%)	1/45 (2%)	0/46 (0%)
FIRST INCIDENCE	---	503	---	---	730 (T)	---

STATISTICAL TESTS

LIFE TABLE	(e)	P=0.159	(e)	(e)	P=0.523	(e)
POLY 3	(e)	P=0.168	(e)	(e)	P=0.508	(e)
POLY 1.5	(e)	P=0.161	(e)	(e)	P=0.504	(e)
POLY 6	(e)	P=0.178	(e)	(e)	P=0.513	(e)
LOGISTIC REGRESSION	(e)	P=0.141	(e)	(e)	P=0.523	(e)
COCH-ARM / FISHERS	(e)	P=0.158	(e)	(e)	P=0.500	(e)
ORDER RESTRICTED	(e)	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	(e)

**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**

Aspartame

CAS Number: 22839-47-0

Date Report Requested: 01/28/2008

Time Report Requested: 17:57:48

First Dose M/F: 06/27/97 / 06/27/97

Lab: CRC

Test Type: CHRONIC-LIFETIME

Route: DOSED FEED

Species/Strain: RATS/SD

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)**

**TERMINAL SACRIFICE AT 105 WEEKS**

---

**Females**

**DOSE**                      **0 PPM**

---

**Adrenal Medulla**  
**Leukemia Monocytic**

---

**TUMOR RATES**

OVERALL (a)	0/149 (0%)
POLY-3 RATE (b)	0/98.28
POLY-3 PERCENT (g)	0%
TERMINAL (d)	0/40 (0%)
FIRST INCIDENCE	---

---

**STATISTICAL TESTS**

LIFE TABLE	P=0.410
POLY 3	P=0.430
POLY 1.5	P=0.399
POLY 6	P=0.473
LOGISTIC REGRESSION	P=0.344
COCH-ARM / FISHERS	P=0.357
ORDER RESTRICTED	P=0.186
MAX-ISO-POLY-3	P=0.199

---

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Date Report Requested: 01/28/2008

Test Type: CHRONIC-LIFETIME

Aspartame

Time Report Requested: 17:57:48

Route: DOSED FEED

CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
 TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Females					
	100000 PPM	50000 PPM	10000 PPM	2000 PPM	400 PPM	80 PPM
<b>Adrenal Medulla</b>						
<b>Leukemia Myeloid</b>						
<b>TUMOR RATES</b>						
OVERALL (a)	2/100 (2%)	1/99 (1%)	0/100 (0%)	1/150 (1%)	0/149 (0%)	0/150 (0%)
POLY-3 RATE (b)	2/76.77	1/69.93	0/70.68	1/98.96	0/102.05	0/97.16
POLY-3 PERCENT (g)	2.6%	1.4%	0%	1%	0%	0%
TERMINAL (d)	1/45 (2%)	0/36 (0%)	0/30 (0%)	0/45 (0%)	0/45 (0%)	0/46 (0%)
FIRST INCIDENCE	331	680	---	729	---	---
<b>STATISTICAL TESTS</b>						
LIFE TABLE	P=0.211	P=0.460	(e)	P=0.532	(e)	(e)
POLY 3	P=0.183	P=0.432	(e)	P=0.501	(e)	(e)
POLY 1.5	P=0.171	P=0.426	(e)	P=0.499	(e)	(e)
POLY 6	P=0.202	P=0.441	(e)	P=0.506	(e)	(e)
LOGISTIC REGRESSION	P=0.111	P=0.435	(e)	P=0.530	(e)	(e)
COCH-ARM / FISHERS	P=0.160	P=0.399	(e)	P=0.502	(e)	(e)
ORDER RESTRICTED	(e)	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	(e)

Test Type: CHRONIC-LIFETIME

Aspartame

Time Report Requested: 17:57:48

Route: DOSED FEED

CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
 TERMINAL SACRIFICE AT 105 WEEKS

Females

DOSE 0 PPM

Adrenal Medulla  
 Leukemia Myeloid

TUMOR RATES

OVERALL (a)	0/149 (0%)
POLY-3 RATE (b)	0/98.28
POLY-3 PERCENT (g)	0%
TERMINAL (d)	0/40 (0%)
FIRST INCIDENCE	---

STATISTICAL TESTS

LIFE TABLE	P=0.024*
POLY 3	P=0.012*
POLY 1.5	P=0.011*
POLY 6	P=0.015*
LOGISTIC REGRESSION	P=0.008**
COCH-ARM / FISHERS	P=0.009**
ORDER RESTRICTED	P=0.027*
MAX-ISO-POLY-3	P=0.024*

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Date Report Requested: 01/28/2008

Test Type: CHRONIC-LIFETIME

Aspartame

Time Report Requested: 17:57:48

Route: DOSED FEED

CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
 TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Females					
	100000 PPM	50000 PPM	10000 PPM	2000 PPM	400 PPM	80 PPM

Adrenal Medulla  
 Pheochromocytoma Benign

TUMOR RATES

OVERALL (a)	29/100 (29%)	24/99 (24%)	24/100 (24%)	37/150 (25%)	22/149 (15%)	26/150 (17%)
POLY-3 RATE (b)	29/79.34	24/74.06	24/76.47	37/107.29	22/105.23	26/101.15
POLY-3 PERCENT (g)	36.6%	32.4%	31.4%	34.5%	20.9%	25.7%
TERMINAL (d)	16/45 (36%)	13/36 (36%)	11/30 (37%)	14/45 (31%)	12/45 (27%)	14/46 (30%)
FIRST INCIDENCE	521	449	467	526	496	523

STATISTICAL TESTS

LIFE TABLE	P=0.222N	P=0.240N	P=0.372N	P=0.493N	P=0.013N*	P=0.066N
POLY 3	P=0.418	P=0.472N	P=0.411N	P=0.532	P=0.020N*	P=0.115N
POLY 1.5	P=0.336	P=0.510N	P=0.464N	P=0.503	P=0.022N*	P=0.105N
POLY 6	P=0.546	P=0.422N	P=0.348N	P=0.532N	P=0.019N*	P=0.122N
LOGISTIC REGRESSION	P=0.512	P=0.451N	P=0.448N	P=0.514	P=0.016N*	P=0.098N
COCH-ARM / FISHERS	P=0.240	P=0.552	P=0.569	P=0.513	P=0.028N*	P=0.094N
ORDER RESTRICTED	(e)	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	(e)

**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**

**Test Type:** CHRONIC-LIFETIME  
**Route:** DOSED FEED  
**Species/Strain:** RATS/SD

Aspartame  
**CAS Number:** 22839-47-0

**Date Report Requested:** 01/28/2008  
**Time Report Requested:** 17:57:48  
**First Dose M/F:** 06/27/97 / 06/27/97  
**Lab:** CRC

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
TERMINAL SACRIFICE AT 105 WEEKS**

---

**Females**

**DOSE**                      **0 PPM**

---

**Adrenal Medulla  
Pheochromocytoma Benign**

---

**TUMOR RATES**

OVERALL (a)	36/149 (24%)
POLY-3 RATE (b)	36/105.74
POLY-3 PERCENT (g)	34%
TERMINAL (d)	14/40 (35%)
FIRST INCIDENCE	528

---

**STATISTICAL TESTS**

LIFE TABLE	P=0.462
POLY 3	P=0.077
POLY 1.5	P=0.048*
POLY 6	P=0.138
LOGISTIC REGRESSION	P=0.106
COCH-ARM / FISHERS	P=0.025*
ORDER RESTRICTED	P=0.132
MAX-ISO-POLY-3	P=0.149

---

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Date Report Requested: 01/28/2008

Test Type: CHRONIC-LIFETIME

Aspartame

Time Report Requested: 17:57:48

Route: DOSED FEED

CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
 TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Females					
	100000 PPM	50000 PPM	10000 PPM	2000 PPM	400 PPM	80 PPM
<b>Adrenal Medulla</b>						
<b>Pheochromocytoma Malignant</b>						
<b>TUMOR RATES</b>						
OVERALL (a)	0/100 (0%)	5/99 (5%)	1/100 (1%)	2/150 (1%)	2/149 (1%)	4/150 (3%)
POLY-3 RATE (b)	0/75.87	5/70.07	1/70.95	2/99.57	2/102.47	4/97.69
POLY-3 PERCENT (g)	0%	7.1%	1.4%	2%	2%	4.1%
TERMINAL (d)	0/45 (0%)	4/36 (11%)	0/30 (0%)	1/45 (2%)	1/45 (2%)	2/46 (4%)
FIRST INCIDENCE	---	637	658	529	607	584
<b>STATISTICAL TESTS</b>						
LIFE TABLE	(e)	P=0.025*	P=0.461	P=0.252	P=0.259	P=0.080
POLY 3	(e)	P=0.012*	P=0.434	P=0.241	P=0.248	P=0.063
POLY 1.5	(e)	P=0.011*	P=0.429	P=0.239	P=0.244	P=0.064
POLY 6	(e)	P=0.013*	P=0.443	P=0.247	P=0.254	P=0.064
LOGISTIC REGRESSION	(e)	P=0.018*	P=0.430	P=0.239	P=0.247	P=0.065
COCH-ARM / FISHERS	(e)	P=0.010**	P=0.402	P=0.251	P=0.249	P=0.062
ORDER RESTRICTED	(e)	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	(e)



P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Date Report Requested: 01/28/2008

Test Type: CHRONIC-LIFETIME

Aspartame

Time Report Requested: 17:57:48

Route: DOSED FEED

CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)

TERMINAL SACRIFICE AT 105 WEEKS

Females

DOSE 0 PPM

Adrenal Medulla  
Pheochromocytoma Malignant

TUMOR RATES

OVERALL (a)	0/149 (0%)
POLY-3 RATE (b)	0/98.28
POLY-3 PERCENT (g)	0%
TERMINAL (d)	0/40 (0%)
FIRST INCIDENCE	---

STATISTICAL TESTS

LIFE TABLE	P=0.440N
POLY 3	P=0.526N
POLY 1.5	P=0.564N
POLY 6	P=0.472N
LOGISTIC REGRESSION	P=0.530N
COCH-ARM / FISHERS	P=0.548
ORDER RESTRICTED	P=0.118
MAX-ISO-POLY-3	P=0.131

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Date Report Requested: 01/28/2008

Test Type: CHRONIC-LIFETIME

Aspartame

Time Report Requested: 17:57:48

Route: DOSED FEED

CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
 TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Females					
	100000 PPM	50000 PPM	10000 PPM	2000 PPM	400 PPM	80 PPM

Adrenal Medulla  
 Pheochromocytoma: Benign, Complex, Malignant, NOS

TUMOR RATES

OVERALL (a)	29/100 (29%)	27/99 (27%)	25/100 (25%)	38/150 (25%)	24/149 (16%)	30/150 (20%)
POLY-3 RATE (b)	29/79.34	27/74.39	25/76.74	38/107.91	24/105.66	30/101.68
POLY-3 PERCENT (g)	36.6%	36.3%	32.6%	35.2%	22.7%	29.5%
TERMINAL (d)	16/45 (36%)	15/36 (42%)	11/30 (37%)	14/45 (31%)	13/45 (29%)	16/46 (35%)
FIRST INCIDENCE	521	449	467	526	496	523

STATISTICAL TESTS

LIFE TABLE	P=0.222N	P=0.402N	P=0.433N	P=0.543N	P=0.027N*	P=0.168N
POLY 3	P=0.418	P=0.437	P=0.480N	P=0.485	P=0.041N*	P=0.283N
POLY 1.5	P=0.336	P=0.398	P=0.536N	P=0.453	P=0.045N*	P=0.261N
POLY 6	P=0.546	P=0.492	P=0.411N	P=0.553	P=0.039N*	P=0.298N
LOGISTIC REGRESSION	P=0.512	P=0.459	P=0.520N	P=0.457	P=0.033N*	P=0.248N
COCH-ARM / FISHERS	P=0.240	P=0.342	P=0.498	P=0.460	P=0.056N	P=0.233N
ORDER RESTRICTED	(e)	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	(e)

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Date Report Requested: 01/28/2008

Test Type: CHRONIC-LIFETIME

Aspartame

Time Report Requested: 17:57:48

Route: DOSED FEED

CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
TERMINAL SACRIFICE AT 105 WEEKS

Females

DOSE 0 PPM

Adrenal Medulla  
Pheochromocytoma: Benign, Complex, Malignant, NOS

TUMOR RATES

OVERALL (a)	36/149 (24%)
POLY-3 RATE (b)	36/105.74
POLY-3 PERCENT (g)	34%
TERMINAL (d)	14/40 (35%)
FIRST INCIDENCE	528

STATISTICAL TESTS

LIFE TABLE	P=0.514N
POLY 3	P=0.100
POLY 1.5	P=0.064
POLY 6	P=0.174
LOGISTIC REGRESSION	P=0.135
COCH-ARM / FISHERS	P=0.033*
ORDER RESTRICTED	P=0.232
MAX-ISO-POLY-3	P=0.195

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Date Report Requested: 01/28/2008

Test Type: CHRONIC-LIFETIME

Aspartame

Time Report Requested: 17:57:48

Route: DOSED FEED

CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
 TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Females					
	100000 PPM	50000 PPM	10000 PPM	2000 PPM	400 PPM	80 PPM
<b>Bone</b>						
<b>Osteosarcoma</b>						
<b>TUMOR RATES</b>	#	#	#	#	#	#
OVERALL (a)	0/100 (0%)	0/100 (0%)	1/100 (1%)	1/150 (1%)	2/150 (1%)	0/150 (0%)
POLY-3 RATE (b)	0/75.87	0/70.59	1/70.68	1/99.49	2/103.39	0/97.16
POLY-3 PERCENT (g)	0%	0%	1.4%	1%	1.9%	0%
TERMINAL (d)	0/45 (0%)	0/36 (0%)	1/30 (3%)	0/45 (0%)	1/45 (2%)	0/46 (0%)
FIRST INCIDENCE	---	---	730 (T)	564	559	---
<b>STATISTICAL TESTS</b>						
LIFE TABLE	P=0.229N	P=0.273N	P=0.591N	P=0.481N	P=0.660N	P=0.220N
POLY 3	P=0.297N	P=0.314N	P=0.616N	P=0.498N	P=0.677N	P=0.242N
POLY 1.5	P=0.312N	P=0.322N	P=0.625N	P=0.502N	P=0.683N	P=0.241N
POLY 6	P=0.275N	P=0.302N	P=0.603N	P=0.488N	P=0.666N	P=0.240N
LOGISTIC REGRESSION	P=0.250N	P=0.283N	P=0.577N	P=0.498N	P=0.673N	P=0.228N
COCH-ARM / FISHERS	P=0.359N	P=0.359N	P=0.649N	P=0.500N	P=0.689N	P=0.249N
ORDER RESTRICTED	(e)	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	(e)

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Date Report Requested: 01/28/2008

Test Type: CHRONIC-LIFETIME

Aspartame

Time Report Requested: 17:57:48

Route: DOSED FEED

CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)

TERMINAL SACRIFICE AT 105 WEEKS

Females

DOSE 0 PPM

Bone  
Osteosarcoma

TUMOR RATES	#
OVERALL (a)	2/150 (1%)
POLY-3 RATE (b)	2/98.81
POLY-3 PERCENT (g)	2%
TERMINAL (d)	1/40 (3%)
FIRST INCIDENCE	700

STATISTICAL TESTS

LIFE TABLE	P=0.143N
POLY 3	P=0.165N
POLY 1.5	P=0.173N
POLY 6	P=0.154N
LOGISTIC REGRESSION	P=0.167N
COCH-ARM / FISHERS	P=0.186N
ORDER RESTRICTED	P=0.163N
MAX-ISO-POLY-3	P=0.176N

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Date Report Requested: 01/28/2008

Test Type: CHRONIC-LIFETIME

Aspartame

Time Report Requested: 17:57:48

Route: DOSED FEED

CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
 TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Females					
	100000 PPM	50000 PPM	10000 PPM	2000 PPM	400 PPM	80 PPM

Bone, Cranium  
 Leukemia Lymphoblastic

TUMOR RATES	#	#	#	#	#	#
OVERALL (a)	0/100 (0%)	0/100 (0%)	0/100 (0%)	2/150 (1%)	0/150 (0%)	0/150 (0%)
POLY-3 RATE (b)	0/75.87	0/70.59	0/70.68	2/100.93	0/102.84	0/97.16
POLY-3 PERCENT (g)	0%	0%	0%	2%	0%	0%
TERMINAL (d)	0/45 (0%)	0/36 (0%)	0/30 (0%)	0/45 (0%)	0/45 (0%)	0/46 (0%)
FIRST INCIDENCE	---	---	---	100	---	---

STATISTICAL TESTS

LIFE TABLE	(e)	(e)	(e)	P=0.238	(e)	(e)
POLY 3	(e)	(e)	(e)	P=0.243	(e)	(e)
POLY 1.5	(e)	(e)	(e)	P=0.240	(e)	(e)
POLY 6	(e)	(e)	(e)	P=0.250	(e)	(e)
LOGISTIC REGRESSION	(e)	(e)	(e)	P=0.806	(e)	(e)
COCH-ARM / FISHERS	(e)	(e)	(e)	P=0.249	(e)	(e)
ORDER RESTRICTED	(e)	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	(e)

**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**

Aspartame

CAS Number: 22839-47-0

Date Report Requested: 01/28/2008

Time Report Requested: 17:57:48

First Dose M/F: 06/27/97 / 06/27/97

Lab: CRC

Test Type: CHRONIC-LIFETIME

Route: DOSED FEED

Species/Strain: RATS/SD

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
TERMINAL SACRIFICE AT 105 WEEKS**

---

**Females**

**DOSE**                      **0 PPM**

---

**Bone, Cranium  
Leukemia Lymphoblastic**

---

<b>TUMOR RATES</b>	#
OVERALL (a)	0/150 (0%)
POLY-3 RATE (b)	0/98.69
POLY-3 PERCENT (g)	0%
TERMINAL (d)	0/40 (0%)
FIRST INCIDENCE	---

---

**STATISTICAL TESTS**

LIFE TABLE	P=0.436N
POLY 3	P=0.431N
POLY 1.5	P=0.434N
POLY 6	P=0.425N
LOGISTIC REGRESSION	P=0.525N
COCH-ARM / FISHERS	P=0.437N
ORDER RESTRICTED	P=0.453
MAX-ISO-POLY-3	P=0.456

---

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Date Report Requested: 01/28/2008

Test Type: CHRONIC-LIFETIME

Aspartame

Time Report Requested: 17:57:48

Route: DOSED FEED

CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
 TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Females					
	100000 PPM	50000 PPM	10000 PPM	2000 PPM	400 PPM	80 PPM
<b>Bone, Cranium</b>						
<b>Leukemia Myeloid</b>						
<b>TUMOR RATES</b>	#	#	#	#	#	#
OVERALL (a)	0/100 (0%)	0/100 (0%)	0/100 (0%)	0/150 (0%)	0/150 (0%)	0/150 (0%)
POLY-3 RATE (b)	0/75.87	0/70.59	0/70.68	0/98.95	0/102.84	0/97.16
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	0%
TERMINAL (d)	0/45 (0%)	0/36 (0%)	0/30 (0%)	0/45 (0%)	0/45 (0%)	0/46 (0%)
FIRST INCIDENCE	---	---	---	---	---	---
<b>STATISTICAL TESTS</b>						
LIFE TABLE	(e)	(e)	(e)	(e)	(e)	(e)
POLY 3	(e)	(e)	(e)	(e)	(e)	(e)
POLY 1.5	(e)	(e)	(e)	(e)	(e)	(e)
POLY 6	(e)	(e)	(e)	(e)	(e)	(e)
LOGISTIC REGRESSION	(e)	(e)	(e)	(e)	(e)	(e)
COCH-ARM / FISHERS	(e)	(e)	(e)	(e)	(e)	(e)
ORDER RESTRICTED	(e)	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	(e)



P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Date Report Requested: 01/28/2008

Test Type: CHRONIC-LIFETIME

Aspartame

Time Report Requested: 17:57:48

Route: DOSED FEED

CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
TERMINAL SACRIFICE AT 105 WEEKS

Females

DOSE 0 PPM

Bone, Cranium  
Leukemia Myeloid

TUMOR RATES	#
OVERALL (a)	0/150 (0%)
POLY-3 RATE (b)	0/98.69
POLY-3 PERCENT (g)	0%
TERMINAL (d)	0/40 (0%)
FIRST INCIDENCE	---

STATISTICAL TESTS

LIFE TABLE	(e)
POLY 3	(e)
POLY 1.5	(e)
POLY 6	(e)
LOGISTIC REGRESSION	(e)
COCH-ARM / FISHERS	(e)
ORDER RESTRICTED	(e)
MAX-ISO-POLY-3	(e)

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Date Report Requested: 01/28/2008

Test Type: CHRONIC-LIFETIME

Aspartame

Time Report Requested: 17:57:48

Route: DOSED FEED

CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
 TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Females					
	100000 PPM	50000 PPM	10000 PPM	2000 PPM	400 PPM	80 PPM
<b>Bone, Cranium</b>						
<b>Osteoma</b>						
<b>TUMOR RATES</b>	#	#	#	#	#	#
OVERALL (a)	2/100 (2%)	0/100 (0%)	1/100 (1%)	1/150 (1%)	1/150 (1%)	1/150 (1%)
POLY-3 RATE (b)	2/77.2	0/70.59	1/70.68	1/99.2	1/102.84	1/97.84
POLY-3 PERCENT (g)	2.6%	0%	1.4%	1%	1%	1%
TERMINAL (d)	0/45 (0%)	0/36 (0%)	1/30 (3%)	0/45 (0%)	1/45 (2%)	0/46 (0%)
FIRST INCIDENCE	420	---	730 (T)	664	730 (T)	497
<b>STATISTICAL TESTS</b>						
LIFE TABLE	P=0.171	(e)	P=0.443	P=0.515	P=0.523	P=0.489
POLY 3	P=0.183	(e)	P=0.433	P=0.501	P=0.508	P=0.498
POLY 1.5	P=0.170	(e)	P=0.427	P=0.499	P=0.505	P=0.498
POLY 6	P=0.204	(e)	P=0.441	P=0.507	P=0.514	P=0.501
LOGISTIC REGRESSION	P=0.096	(e)	P=0.443	P=0.501	P=0.523	P=0.505
COCH-ARM / FISHERS	P=0.159	(e)	P=0.400	P=0.500	P=0.500	P=0.500
ORDER RESTRICTED	(e)	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	(e)

**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**

Aspartame

CAS Number: 22839-47-0

Date Report Requested: 01/28/2008

Time Report Requested: 17:57:48

First Dose M/F: 06/27/97 / 06/27/97

Lab: CRC

Test Type: CHRONIC-LIFETIME

Route: DOSED FEED

Species/Strain: RATS/SD

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
TERMINAL SACRIFICE AT 105 WEEKS**

---

**Females**

**DOSE**                      **0 PPM**

---

**Bone, Cranium  
Osteoma**

---

<b>TUMOR RATES</b>	#
OVERALL (a)	0/150 (0%)
POLY-3 RATE (b)	0/98.69
POLY-3 PERCENT (g)	0%
TERMINAL (d)	0/40 (0%)
FIRST INCIDENCE	---

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**STATISTICAL TESTS**

LIFE TABLE	P=0.232
POLY 3	P=0.192
POLY 1.5	P=0.179
POLY 6	P=0.211
LOGISTIC REGRESSION	P=0.149
COCH-ARM / FISHERS	P=0.163
ORDER RESTRICTED	P=0.070
MAX-ISO-POLY-3	P=0.079

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P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Date Report Requested: 01/28/2008

Test Type: CHRONIC-LIFETIME

Aspartame

Time Report Requested: 17:57:48

Route: DOSED FEED

CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
 TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Females					
	100000 PPM	50000 PPM	10000 PPM	2000 PPM	400 PPM	80 PPM
<b>Bone, Cranium</b>						
<b>Osteosarcoma</b>						
<b>TUMOR RATES</b>	#	#	#	#	#	#
OVERALL (a)	4/100 (4%)	3/100 (3%)	3/100 (3%)	4/150 (3%)	3/150 (2%)	9/150 (6%)
POLY-3 RATE (b)	4/76.79	3/71.31	3/71.7	4/100.31	3/103.6	9/101.95
POLY-3 PERCENT (g)	5.2%	4.2%	4.2%	4%	2.9%	8.8%
TERMINAL (d)	2/45 (4%)	1/36 (3%)	1/30 (3%)	1/45 (2%)	0/45 (0%)	0/46 (0%)
FIRST INCIDENCE	515	528	494	405	621	397
<b>STATISTICAL TESTS</b>						
LIFE TABLE	P=0.307N	P=0.272N	P=0.303N	P=0.254N	P=0.141N	P=0.420
POLY 3	P=0.434N	P=0.333N	P=0.330N	P=0.268N	P=0.153N	P=0.407
POLY 1.5	P=0.473N	P=0.349N	P=0.346N	P=0.274N	P=0.158N	P=0.402
POLY 6	P=0.379N	P=0.309N	P=0.308N	P=0.258N	P=0.144N	P=0.426
LOGISTIC REGRESSION	P=0.481N	P=0.347N	P=0.355N	P=0.272N	P=0.156N	P=0.405
COCH-ARM / FISHERS	P=0.533N	P=0.379N	P=0.379N	P=0.271N	P=0.168N	P=0.399
ORDER RESTRICTED	(e)	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	(e)

**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**

Aspartame

CAS Number: 22839-47-0

Date Report Requested: 01/28/2008

Time Report Requested: 17:57:48

First Dose M/F: 06/27/97 / 06/27/97

Lab: CRC

Test Type: CHRONIC-LIFETIME

Route: DOSED FEED

Species/Strain: RATS/SD

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)**

**TERMINAL SACRIFICE AT 105 WEEKS**

---

**Females**

**DOSE**                      **0 PPM**

---

**Bone, Cranium  
Osteosarcoma**

---

<b>TUMOR RATES</b>	#
OVERALL (a)	7/150 (5%)
POLY-3 RATE (b)	7/100.61
POLY-3 PERCENT (g)	7%
TERMINAL (d)	2/40 (5%)
FIRST INCIDENCE	508

---

**STATISTICAL TESTS**

LIFE TABLE	P=0.341N
POLY 3	P=0.451N
POLY 1.5	P=0.485N
POLY 6	P=0.405N
LOGISTIC REGRESSION	P=0.545N
COCH-ARM / FISHERS	P=0.532N
ORDER RESTRICTED	P=0.237N
MAX-ISO-POLY-3	P=0.250N

---

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Date Report Requested: 01/28/2008

Test Type: CHRONIC-LIFETIME

Aspartame

Time Report Requested: 17:57:48

Route: DOSED FEED

CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
 TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Females					
	100000 PPM	50000 PPM	10000 PPM	2000 PPM	400 PPM	80 PPM

Brain  
 Leukemia Lymphoblastic

TUMOR RATES

OVERALL (a)	0/100 (0%)	0/100 (0%)	0/100 (0%)	2/150 (1%)	0/150 (0%)	0/145 (0%)
POLY-3 RATE (b)	0/75.87	0/70.59	0/70.68	2/100.93	0/102.84	0/94.26
POLY-3 PERCENT (g)	0%	0%	0%	2%	0%	0%
TERMINAL (d)	0/45 (0%)	0/36 (0%)	0/30 (0%)	0/45 (0%)	0/45 (0%)	0/45 (0%)
FIRST INCIDENCE	---	---	---	100	---	---

STATISTICAL TESTS

LIFE TABLE	(e)	(e)	(e)	P=0.238	(e)	(e)
POLY 3	(e)	(e)	(e)	P=0.243	(e)	(e)
POLY 1.5	(e)	(e)	(e)	P=0.240	(e)	(e)
POLY 6	(e)	(e)	(e)	P=0.250	(e)	(e)
LOGISTIC REGRESSION	(e)	(e)	(e)	P=0.806	(e)	(e)
COCH-ARM / FISHERS	(e)	(e)	(e)	P=0.249	(e)	(e)
ORDER RESTRICTED	(e)	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	(e)

**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**

Aspartame

CAS Number: 22839-47-0

Date Report Requested: 01/28/2008

Time Report Requested: 17:57:48

First Dose M/F: 06/27/97 / 06/27/97

Lab: CRC

Test Type: CHRONIC-LIFETIME

Route: DOSED FEED

Species/Strain: RATS/SD

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
TERMINAL SACRIFICE AT 105 WEEKS**

---

**Females**

**DOSE**                      **0 PPM**

---

**Brain**  
**Leukemia Lymphoblastic**

---

**TUMOR RATES**

OVERALL (a)	0/150 (0%)
POLY-3 RATE (b)	0/98.69
POLY-3 PERCENT (g)	0%
TERMINAL (d)	0/40 (0%)
FIRST INCIDENCE	---

---

**STATISTICAL TESTS**

LIFE TABLE	P=0.436N
POLY 3	P=0.430N
POLY 1.5	P=0.433N
POLY 6	P=0.424N
LOGISTIC REGRESSION	P=0.525N
COCH-ARM / FISHERS	P=0.435N
ORDER RESTRICTED	P=0.453
MAX-ISO-POLY-3	P=0.457

---

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Date Report Requested: 01/28/2008

Test Type: CHRONIC-LIFETIME

Aspartame

Time Report Requested: 17:57:48

Route: DOSED FEED

CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
 TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Females					
	100000 PPM	50000 PPM	10000 PPM	2000 PPM	400 PPM	80 PPM

Brain  
 Leukemia Monocytic

TUMOR RATES

OVERALL (a)	1/100 (1%)	0/100 (0%)	1/100 (1%)	0/150 (0%)	3/150 (2%)	1/145 (1%)
POLY-3 RATE (b)	1/75.87	0/70.59	1/70.68	0/98.95	3/103.53	1/94.29
POLY-3 PERCENT (g)	1.3%	0%	1.4%	0%	2.9%	1.1%
TERMINAL (d)	1/45 (2%)	0/36 (0%)	1/30 (3%)	0/45 (0%)	0/45 (0%)	0/45 (0%)
FIRST INCIDENCE	730 (T)	---	730 (T)	---	509	723

STATISTICAL TESTS

LIFE TABLE	P=0.523	(e)	P=0.443	(e)	P=0.150	P=0.527
POLY 3	P=0.447	(e)	P=0.433	(e)	P=0.130	P=0.491
POLY 1.5	P=0.435	(e)	P=0.427	(e)	P=0.127	P=0.491
POLY 6	P=0.465	(e)	P=0.441	(e)	P=0.136	P=0.494
LOGISTIC REGRESSION	P=0.523	(e)	P=0.443	(e)	P=0.128	P=0.511
COCH-ARM / FISHERS	P=0.400	(e)	P=0.400	(e)	P=0.124	P=0.492
ORDER RESTRICTED	(e)	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	(e)



**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**

Aspartame

CAS Number: 22839-47-0

Date Report Requested: 01/28/2008

Time Report Requested: 17:57:48

First Dose M/F: 06/27/97 / 06/27/97

Lab: CRC

Test Type: CHRONIC-LIFETIME

Route: DOSED FEED

Species/Strain: RATS/SD

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
TERMINAL SACRIFICE AT 105 WEEKS**

---

**Females**

**DOSE**                      **0 PPM**

---

**Brain**  
**Leukemia Monocytic**

---

**TUMOR RATES**

OVERALL (a)	0/150 (0%)
POLY-3 RATE (b)	0/98.69
POLY-3 PERCENT (g)	0%
TERMINAL (d)	0/40 (0%)
FIRST INCIDENCE	---

---

**STATISTICAL TESTS**

LIFE TABLE	P=0.511N
POLY 3	P=0.600N
POLY 1.5	P=0.612N
POLY 6	P=0.582N
LOGISTIC REGRESSION	P=0.566N
COCH-ARM / FISHERS	P=0.615
ORDER RESTRICTED	P=0.366
MAX-ISO-POLY-3	P=0.374

---

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Date Report Requested: 01/28/2008

Test Type: CHRONIC-LIFETIME

Aspartame

Time Report Requested: 17:57:48

Route: DOSED FEED

CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
 TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Females					
	100000 PPM	50000 PPM	10000 PPM	2000 PPM	400 PPM	80 PPM

Brain  
 Leukemia Myeloid

TUMOR RATES

OVERALL (a)	1/100 (1%)	0/100 (0%)	0/100 (0%)	1/150 (1%)	0/150 (0%)	0/145 (0%)
POLY-3 RATE (b)	1/76.77	0/70.59	0/70.68	1/98.96	0/102.84	0/94.26
POLY-3 PERCENT (g)	1.3%	0%	0%	1%	0%	0%
TERMINAL (d)	0/45 (0%)	0/36 (0%)	0/30 (0%)	0/45 (0%)	0/45 (0%)	0/45 (0%)
FIRST INCIDENCE	331	---	---	729	---	---

STATISTICAL TESTS

LIFE TABLE	P=0.425	(e)	(e)	P=0.532	(e)	(e)
POLY 3	P=0.449	(e)	(e)	P=0.501	(e)	(e)
POLY 1.5	P=0.436	(e)	(e)	P=0.498	(e)	(e)
POLY 6	P=0.468	(e)	(e)	P=0.505	(e)	(e)
LOGISTIC REGRESSION	P=0.259	(e)	(e)	P=0.530	(e)	(e)
COCH-ARM / FISHERS	P=0.400	(e)	(e)	P=0.500	(e)	(e)
ORDER RESTRICTED	(e)	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	(e)

**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**

**Test Type:** CHRONIC-LIFETIME  
**Route:** DOSED FEED  
**Species/Strain:** RATS/SD

Aspartame  
**CAS Number:** 22839-47-0

**Date Report Requested:** 01/28/2008  
**Time Report Requested:** 17:57:48  
**First Dose M/F:** 06/27/97 / 06/27/97  
**Lab:** CRC

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
TERMINAL SACRIFICE AT 105 WEEKS**

---

**Females**

**DOSE**                      **0 PPM**

---

**Brain**  
**Leukemia Myeloid**

---

**TUMOR RATES**

OVERALL (a)	0/150 (0%)
POLY-3 RATE (b)	0/98.69
POLY-3 PERCENT (g)	0%
TERMINAL (d)	0/40 (0%)
FIRST INCIDENCE	---

---

**STATISTICAL TESTS**

LIFE TABLE	P=0.235
POLY 3	P=0.212
POLY 1.5	P=0.203
POLY 6	P=0.226
LOGISTIC REGRESSION	P=0.152
COCH-ARM / FISHERS	P=0.191
ORDER RESTRICTED	P=0.118
MAX-ISO-POLY-3	P=0.130

---

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Date Report Requested: 01/28/2008

Test Type: CHRONIC-LIFETIME

Aspartame

Time Report Requested: 17:57:48

Route: DOSED FEED

CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
 TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Females					
	100000 PPM	50000 PPM	10000 PPM	2000 PPM	400 PPM	80 PPM

Brain  
 Lymphoma Lympho-immunoblastic

TUMOR RATES

OVERALL (a)	3/100 (3%)	1/100 (1%)	0/100 (0%)	1/150 (1%)	0/150 (0%)	0/145 (0%)
POLY-3 RATE (b)	3/76.76	1/70.77	0/70.68	1/99.95	0/102.84	0/94.26
POLY-3 PERCENT (g)	3.9%	1.4%	0%	1%	0%	0%
TERMINAL (d)	1/45 (2%)	0/36 (0%)	0/30 (0%)	0/45 (0%)	0/45 (0%)	0/45 (0%)
FIRST INCIDENCE	473	685	---	132	---	---

STATISTICAL TESTS

LIFE TABLE	P=0.465	P=0.583N	P=0.314N	P=0.487N	P=0.223N	P=0.232N
POLY 3	P=0.384	P=0.617N	P=0.315N	P=0.497N	P=0.231N	P=0.250N
POLY 1.5	P=0.357	P=0.626N	P=0.322N	P=0.501N	P=0.234N	P=0.249N
POLY 6	P=0.426	P=0.601N	P=0.305N	P=0.490N	P=0.225N	P=0.247N
LOGISTIC REGRESSION	P=0.333	P=0.618N	P=0.320N	P=0.444N	P=0.232N	P=0.248N
COCH-ARM / FISHERS	P=0.316	P=0.649N	P=0.359N	P=0.500N	P=0.249N	P=0.258N
ORDER RESTRICTED	(e)	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	(e)

**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**

Aspartame

CAS Number: 22839-47-0

Date Report Requested: 01/28/2008

Time Report Requested: 17:57:48

First Dose M/F: 06/27/97 / 06/27/97

Lab: CRC

Test Type: CHRONIC-LIFETIME

Route: DOSED FEED

Species/Strain: RATS/SD

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
TERMINAL SACRIFICE AT 105 WEEKS**

---

**Females**

**DOSE**                      **0 PPM**

---

**Brain**  
**Lymphoma Lympho-immunoblastic**

---

**TUMOR RATES**

OVERALL (a)	2/150 (1%)
POLY-3 RATE (b)	2/99.19
POLY-3 PERCENT (g)	2%
TERMINAL (d)	1/40 (3%)
FIRST INCIDENCE	581

---

**STATISTICAL TESTS**

LIFE TABLE	P=0.026*
POLY 3	P=0.014*
POLY 1.5	P=0.012*
POLY 6	P=0.016*
LOGISTIC REGRESSION	P=0.006**
COCH-ARM / FISHERS	P=0.011*
ORDER RESTRICTED	P=0.034*
MAX-ISO-POLY-3	P=0.027*

---

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Date Report Requested: 01/28/2008

Test Type: CHRONIC-LIFETIME

Aspartame

Time Report Requested: 17:57:48

Route: DOSED FEED

CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
 TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Females					
	100000 PPM	50000 PPM	10000 PPM	2000 PPM	400 PPM	80 PPM
<b>Brain</b>						
<b>Meningioma Benign</b>						
<b>TUMOR RATES</b>						
OVERALL (a)	1/100 (1%)	1/100 (1%)	1/100 (1%)	2/150 (1%)	2/150 (1%)	1/145 (1%)
POLY-3 RATE (b)	1/76.14	1/70.59	1/70.73	2/99.34	2/104.02	1/94.26
POLY-3 PERCENT (g)	1.3%	1.4%	1.4%	2%	1.9%	1.1%
TERMINAL (d)	0/45 (0%)	1/36 (3%)	0/30 (0%)	1/45 (2%)	0/45 (0%)	1/45 (2%)
FIRST INCIDENCE	656	730 (T)	717	621	471	730 (T)
<b>STATISTICAL TESTS</b>						
LIFE TABLE	P=0.475	P=0.479	P=0.480	P=0.254	P=0.246	P=0.523
POLY 3	P=0.448	P=0.433	P=0.433	P=0.240	P=0.250	P=0.491
POLY 1.5	P=0.435	P=0.427	P=0.427	P=0.237	P=0.245	P=0.491
POLY 6	P=0.467	P=0.442	P=0.442	P=0.246	P=0.258	P=0.494
LOGISTIC REGRESSION	P=0.434	P=0.479	P=0.454	P=0.242	P=0.224	P=0.523
COCH-ARM / FISHERS	P=0.400	P=0.400	P=0.400	P=0.249	P=0.249	P=0.492
ORDER RESTRICTED	(e)	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	(e)

**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**

**Test Type:** CHRONIC-LIFETIME

**Route:** DOSED FEED

**Species/Strain:** RATS/SD

Aspartame

**CAS Number:** 22839-47-0

**Date Report Reqsted:** 01/28/2008

**Time Report Reqsted:** 17:57:48

**First Dose M/F:** 06/27/97 / 06/27/97

**Lab:** CRC

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
TERMINAL SACRIFICE AT 105 WEEKS**

---

**Females**

---

**DOSE                                      0 PPM**

---

**Brain  
Meningioma Benign**

---

**TUMOR RATES**

<b>OVERALL (a)</b>	0/150 (0%)
<b>POLY-3 RATE (b)</b>	0/98.69
<b>POLY-3 PERCENT (g)</b>	0%
<b>TERMINAL (d)</b>	0/40 (0%)
<b>FIRST INCIDENCE</b>	---

.....

**STATISTICAL TESTS**

<b>LIFE TABLE</b>	P=0.566N
<b>POLY 3</b>	P=0.591
<b>POLY 1.5</b>	P=0.564
<b>POLY 6</b>	P=0.611N
<b>LOGISTIC REGRESSION</b>	P=0.559
<b>COCH-ARM / FISHERS</b>	P=0.528
<b>ORDER RESTRICTED</b>	P=0.324
<b>MAX-ISO-POLY-3</b>	P=0.333

.....

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Date Report Requested: 01/28/2008

Test Type: CHRONIC-LIFETIME

Aspartame

Time Report Requested: 17:57:48

Route: DOSED FEED

CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
 TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Females					
	100000 PPM	50000 PPM	10000 PPM	2000 PPM	400 PPM	80 PPM

Brain  
 Meningioma: Benign, Malignant, NOS

TUMOR RATES

OVERALL (a)	1/100 (1%)	1/100 (1%)	1/100 (1%)	2/150 (1%)	2/150 (1%)	1/145 (1%)
POLY-3 RATE (b)	1/76.14	1/70.59	1/70.73	2/99.34	2/104.02	1/94.26
POLY-3 PERCENT (g)	1.3%	1.4%	1.4%	2%	1.9%	1.1%
TERMINAL (d)	0/45 (0%)	1/36 (3%)	0/30 (0%)	1/45 (2%)	0/45 (0%)	1/45 (2%)
FIRST INCIDENCE	656	730 (T)	717	621	471	730 (T)

STATISTICAL TESTS

LIFE TABLE	P=0.475	P=0.479	P=0.480	P=0.254	P=0.246	P=0.523
POLY 3	P=0.448	P=0.433	P=0.433	P=0.240	P=0.250	P=0.491
POLY 1.5	P=0.435	P=0.427	P=0.427	P=0.237	P=0.245	P=0.491
POLY 6	P=0.467	P=0.442	P=0.442	P=0.246	P=0.258	P=0.494
LOGISTIC REGRESSION	P=0.434	P=0.479	P=0.454	P=0.242	P=0.224	P=0.523
COCH-ARM / FISHERS	P=0.400	P=0.400	P=0.400	P=0.249	P=0.249	P=0.492
ORDER RESTRICTED	(e)	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	(e)



P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Date Report Requested: 01/28/2008

Test Type: CHRONIC-LIFETIME

Aspartame

Time Report Requested: 17:57:48

Route: DOSED FEED

CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
TERMINAL SACRIFICE AT 105 WEEKS

Females

DOSE 0 PPM

Brain  
Meningioma: Benign, Malignant, NOS

TUMOR RATES

OVERALL (a)	0/150 (0%)
POLY-3 RATE (b)	0/98.69
POLY-3 PERCENT (g)	0%
TERMINAL (d)	0/40 (0%)
FIRST INCIDENCE	---

STATISTICAL TESTS

LIFE TABLE	P=0.566N
POLY 3	P=0.591
POLY 1.5	P=0.564
POLY 6	P=0.611N
LOGISTIC REGRESSION	P=0.559
COCH-ARM / FISHERS	P=0.528
ORDER RESTRICTED	P=0.324
MAX-ISO-POLY-3	P=0.333

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Date Report Requested: 01/28/2008

Test Type: CHRONIC-LIFETIME

Aspartame

Time Report Requested: 17:57:48

Route: DOSED FEED

CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
 TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Females					
	100000 PPM	50000 PPM	10000 PPM	2000 PPM	400 PPM	80 PPM
<b>Brain Neoplasms NOS</b>						
<b>TUMOR RATES</b>						
OVERALL (a)	0/100 (0%)	0/100 (0%)	2/100 (2%)	0/150 (0%)	0/150 (0%)	0/145 (0%)
POLY-3 RATE (b)	0/75.87	0/70.59	2/71	0/98.95	0/102.84	0/94.26
POLY-3 PERCENT (g)	0%	0%	2.8%	0%	0%	0%
TERMINAL (d)	0/45 (0%)	0/36 (0%)	0/30 (0%)	0/45 (0%)	0/45 (0%)	0/45 (0%)
FIRST INCIDENCE	---	---	675	---	---	---
<b>STATISTICAL TESTS</b>						
LIFE TABLE	(e)	(e)	P=0.194	(e)	(e)	(e)
POLY 3	(e)	(e)	P=0.167	(e)	(e)	(e)
POLY 1.5	(e)	(e)	P=0.162	(e)	(e)	(e)
POLY 6	(e)	(e)	P=0.176	(e)	(e)	(e)
LOGISTIC REGRESSION	(e)	(e)	P=0.175	(e)	(e)	(e)
COCH-ARM / FISHERS	(e)	(e)	P=0.159	(e)	(e)	(e)
ORDER RESTRICTED	(e)	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	(e)

**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**

Aspartame

CAS Number: 22839-47-0

Date Report Requested: 01/28/2008

Time Report Requested: 17:57:48

First Dose M/F: 06/27/97 / 06/27/97

Lab: CRC

Test Type: CHRONIC-LIFETIME

Route: DOSED FEED

Species/Strain: RATS/SD

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
TERMINAL SACRIFICE AT 105 WEEKS**

---

**Females**

**DOSE**                      **0 PPM**

---

**Brain  
Neoplasms NOS**

---

**TUMOR RATES**

OVERALL (a)	0/150 (0%)
POLY-3 RATE (b)	0/98.69
POLY-3 PERCENT (g)	0%
TERMINAL (d)	0/40 (0%)
FIRST INCIDENCE	---

---

**STATISTICAL TESTS**

LIFE TABLE	P=0.511N
POLY 3	P=0.544N
POLY 1.5	P=0.556N
POLY 6	P=0.528N
LOGISTIC REGRESSION	P=0.536N
COCH-ARM / FISHERS	P=0.572N
ORDER RESTRICTED	P=0.276
MAX-ISO-POLY-3	P=0.287

---

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Date Report Requested: 01/28/2008

Test Type: CHRONIC-LIFETIME

Aspartame

Time Report Requested: 17:57:48

Route: DOSED FEED

CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
 TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Females					
	100000 PPM	50000 PPM	10000 PPM	2000 PPM	400 PPM	80 PPM

Brain  
 Oligodendroglioma NOS

TUMOR RATES

OVERALL (a)	0/100 (0%)	0/100 (0%)	0/100 (0%)	0/150 (0%)	0/150 (0%)	1/145 (1%)
POLY-3 RATE (b)	0/75.87	0/70.59	0/70.68	0/98.95	0/102.84	1/95.24
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	1.1%
TERMINAL (d)	0/45 (0%)	0/36 (0%)	0/30 (0%)	0/45 (0%)	0/45 (0%)	0/45 (0%)
FIRST INCIDENCE	---	---	---	---	---	201

STATISTICAL TESTS

LIFE TABLE	(e)	(e)	(e)	(e)	(e)	P=0.500
POLY 3	(e)	(e)	(e)	(e)	(e)	P=0.493
POLY 1.5	(e)	(e)	(e)	(e)	(e)	P=0.493
POLY 6	(e)	(e)	(e)	(e)	(e)	P=0.496
LOGISTIC REGRESSION	(e)	(e)	(e)	(e)	(e)	(e)
COCH-ARM / FISHERS	(e)	(e)	(e)	(e)	(e)	P=0.492
ORDER RESTRICTED	(e)	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	(e)

**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**

Aspartame

CAS Number: 22839-47-0

Date Report Requested: 01/28/2008

Time Report Requested: 17:57:48

First Dose M/F: 06/27/97 / 06/27/97

Lab: CRC

Test Type: CHRONIC-LIFETIME

Route: DOSED FEED

Species/Strain: RATS/SD

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
TERMINAL SACRIFICE AT 105 WEEKS**

---

**Females**

**DOSE**                      **0 PPM**

---

**Brain**  
**Oligodendroglioma NOS**

---

**TUMOR RATES**

OVERALL (a)	0/150 (0%)
POLY-3 RATE (b)	0/98.69
POLY-3 PERCENT (g)	0%
TERMINAL (d)	0/40 (0%)
FIRST INCIDENCE	---

---

**STATISTICAL TESTS**

LIFE TABLE	P=0.583N
POLY 3	P=0.596N
POLY 1.5	P=0.590N
POLY 6	P=0.602N
LOGISTIC REGRESSION	P=0.708N
COCH-ARM / FISHERS	P=0.582N
ORDER RESTRICTED	P=0.389N
MAX-ISO-POLY-3	P=0.395N

---

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Date Report Requested: 01/28/2008

Test Type: CHRONIC-LIFETIME

Aspartame

Time Report Requested: 17:57:48

Route: DOSED FEED

CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
 TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Females					
	100000 PPM	50000 PPM	10000 PPM	2000 PPM	400 PPM	80 PPM

Brain  
 Oligodendroglioma, Glioma, or Astrocytoma

TUMOR RATES

OVERALL (a)	1/100 (1%)	0/100 (0%)	0/100 (0%)	0/150 (0%)	0/150 (0%)	1/145 (1%)
POLY-3 RATE (b)	1/75.87	0/70.59	0/70.68	0/98.95	0/102.84	1/95.24
POLY-3 PERCENT (g)	1.3%	0%	0%	0%	0%	1.1%
TERMINAL (d)	1/45 (2%)	0/36 (0%)	0/30 (0%)	0/45 (0%)	0/45 (0%)	0/45 (0%)
FIRST INCIDENCE	730 (T)	---	---	---	---	201

STATISTICAL TESTS

LIFE TABLE	P=0.523	(e)	(e)	(e)	(e)	P=0.500
POLY 3	P=0.447	(e)	(e)	(e)	(e)	P=0.493
POLY 1.5	P=0.435	(e)	(e)	(e)	(e)	P=0.493
POLY 6	P=0.465	(e)	(e)	(e)	(e)	P=0.496
LOGISTIC REGRESSION	P=0.523	(e)	(e)	(e)	(e)	(e)
COCH-ARM / FISHERS	P=0.400	(e)	(e)	(e)	(e)	P=0.492
ORDER RESTRICTED	(e)	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	(e)

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Date Report Requested: 01/28/2008

Test Type: CHRONIC-LIFETIME

Aspartame

Time Report Requested: 17:57:48

Route: DOSED FEED

CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
TERMINAL SACRIFICE AT 105 WEEKS

Females

DOSE 0 PPM

Brain  
Oligodendroglioma, Glioma, or Astrocytoma

TUMOR RATES

OVERALL (a)	0/150 (0%)
POLY-3 RATE (b)	0/98.69
POLY-3 PERCENT (g)	0%
TERMINAL (d)	0/40 (0%)
FIRST INCIDENCE	---

STATISTICAL TESTS

LIFE TABLE	P=0.249
POLY 3	P=0.220
POLY 1.5	P=0.213
POLY 6	P=0.232
LOGISTIC REGRESSION	P=0.139
COCH-ARM / FISHERS	P=0.203
ORDER RESTRICTED	P=0.117
MAX-ISO-POLY-3	P=0.130

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Date Report Requested: 01/28/2008

Test Type: CHRONIC-LIFETIME

Aspartame

Time Report Requested: 17:57:48

Route: DOSED FEED

CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
 TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Females					
	100000 PPM	50000 PPM	10000 PPM	2000 PPM	400 PPM	80 PPM
<b>Ear Squamous Cell Carcinoma</b>						
<b>TUMOR RATES</b>	#	#	#	#	#	#
OVERALL (a)	6/100 (6%)	7/100 (7%)	7/100 (7%)	0/150 (0%)	2/150 (1%)	4/150 (3%)
POLY-3 RATE (b)	6/76.16	7/72.56	7/72.74	0/98.95	2/102.84	4/97.91
POLY-3 PERCENT (g)	7.9%	9.7%	9.6%	0%	1.9%	4.1%
TERMINAL (d)	5/45 (11%)	2/36 (6%)	1/30 (3%)	0/45 (0%)	2/45 (4%)	3/46 (7%)
FIRST INCIDENCE	649	491	393	---	730 (T)	460
<b>STATISTICAL TESTS</b>						
LIFE TABLE	P=0.305N	P=0.576N	P=0.589	P=0.003N**	P=0.025N*	P=0.111N
POLY 3	P=0.510N	P=0.541	P=0.543	P=0.003N**	P=0.028N*	P=0.136N
POLY 1.5	P=0.553N	P=0.513	P=0.516	P=0.003N**	P=0.030N*	P=0.133N
POLY 6	P=0.447N	P=0.585	P=0.584	P=0.003N**	P=0.026N*	P=0.134N
LOGISTIC REGRESSION	P=0.495N	P=0.504	P=0.502	P=0.003N**	P=0.028N*	P=0.132N
COCH-ARM / FISHERS	P=0.601	P=0.473	P=0.473	P=0.002N**	P=0.030N*	P=0.128N
ORDER RESTRICTED	(e)	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	(e)



**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**

Aspartame

CAS Number: 22839-47-0

Date Report Requested: 01/28/2008

Time Report Requested: 17:57:48

First Dose M/F: 06/27/97 / 06/27/97

Lab: CRC

Test Type: CHRONIC-LIFETIME

Route: DOSED FEED

Species/Strain: RATS/SD

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
TERMINAL SACRIFICE AT 105 WEEKS**

---

**Females**

**DOSE**                      **0 PPM**

---

**Ear  
Squamous Cell Carcinoma**

---

<b>TUMOR RATES</b>	<b>#</b>
OVERALL (a)	9/150 (6%)
POLY-3 RATE (b)	9/100.88
POLY-3 PERCENT (g)	8.9%
TERMINAL (d)	3/40 (8%)
FIRST INCIDENCE	326

---

**STATISTICAL TESTS**

LIFE TABLE	P=0.133
POLY 3	P=0.056
POLY 1.5	P=0.042*
POLY 6	P=0.079
LOGISTIC REGRESSION	P=0.049*
COCH-ARM / FISHERS	P=0.029*
ORDER RESTRICTED	P=0.114
MAX-ISO-POLY-3	P=0.107

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P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Date Report Requested: 01/28/2008

Test Type: CHRONIC-LIFETIME

Aspartame

Time Report Requested: 17:57:48

Route: DOSED FEED

CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
 TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Females					
	100000 PPM	50000 PPM	10000 PPM	2000 PPM	400 PPM	80 PPM
<b>Harderian Gland</b>						
<b>Leukemia Myeloid</b>						
<b>TUMOR RATES</b>	#	#	#	#	#	#
OVERALL (a)	1/100 (1%)	0/100 (0%)	0/100 (0%)	1/150 (1%)	0/150 (0%)	0/150 (0%)
POLY-3 RATE (b)	1/76.77	0/70.59	0/70.68	1/98.96	0/102.84	0/97.16
POLY-3 PERCENT (g)	1.3%	0%	0%	1%	0%	0%
TERMINAL (d)	0/45 (0%)	0/36 (0%)	0/30 (0%)	0/45 (0%)	0/45 (0%)	0/46 (0%)
FIRST INCIDENCE	331	---	---	729	---	---
<b>STATISTICAL TESTS</b>						
LIFE TABLE	P=0.425	(e)	(e)	P=0.532	(e)	(e)
POLY 3	P=0.449	(e)	(e)	P=0.501	(e)	(e)
POLY 1.5	P=0.436	(e)	(e)	P=0.498	(e)	(e)
POLY 6	P=0.468	(e)	(e)	P=0.505	(e)	(e)
LOGISTIC REGRESSION	P=0.259	(e)	(e)	P=0.530	(e)	(e)
COCH-ARM / FISHERS	P=0.400	(e)	(e)	P=0.500	(e)	(e)
ORDER RESTRICTED	(e)	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	(e)

**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**

Aspartame

CAS Number: 22839-47-0

Date Report Requested: 01/28/2008

Time Report Requested: 17:57:48

First Dose M/F: 06/27/97 / 06/27/97

Lab: CRC

Test Type: CHRONIC-LIFETIME

Route: DOSED FEED

Species/Strain: RATS/SD

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
TERMINAL SACRIFICE AT 105 WEEKS**

---

**Females**

**DOSE**                      **0 PPM**

---

**Harderian Gland  
Leukemia Myeloid**

---

<b>TUMOR RATES</b>	#
OVERALL (a)	0/150 (0%)
POLY-3 RATE (b)	0/98.69
POLY-3 PERCENT (g)	0%
TERMINAL (d)	0/40 (0%)
FIRST INCIDENCE	---

---

**STATISTICAL TESTS**

LIFE TABLE	P=0.235
POLY 3	P=0.211
POLY 1.5	P=0.201
POLY 6	P=0.225
LOGISTIC REGRESSION	P=0.150
COCH-ARM / FISHERS	P=0.190
ORDER RESTRICTED	P=0.118
MAX-ISO-POLY-3	P=0.129

---

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Date Report Requested: 01/28/2008

Test Type: CHRONIC-LIFETIME

Aspartame

Time Report Requested: 17:57:48

Route: DOSED FEED

CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
 TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Females					
	100000 PPM	50000 PPM	10000 PPM	2000 PPM	400 PPM	80 PPM

Heart  
 Leukemia Lymphoblastic

TUMOR RATES

OVERALL (a)	0/99 (0%)	0/99 (0%)	0/99 (0%)	2/149 (1%)	0/150 (0%)	0/150 (0%)
POLY-3 RATE (b)	0/74.87	0/69.74	0/70.12	2/100.02	0/102.84	0/97.16
POLY-3 PERCENT (g)	0%	0%	0%	2%	0%	0%
TERMINAL (d)	0/44 (0%)	0/36 (0%)	0/30 (0%)	0/45 (0%)	0/45 (0%)	0/46 (0%)
FIRST INCIDENCE	---	---	---	100	---	---

STATISTICAL TESTS

LIFE TABLE	(e)	(e)	(e)	P=0.238	(e)	(e)
POLY 3	(e)	(e)	(e)	P=0.243	(e)	(e)
POLY 1.5	(e)	(e)	(e)	P=0.240	(e)	(e)
POLY 6	(e)	(e)	(e)	P=0.249	(e)	(e)
LOGISTIC REGRESSION	(e)	(e)	(e)	P=0.806	(e)	(e)
COCH-ARM / FISHERS	(e)	(e)	(e)	P=0.249	(e)	(e)
ORDER RESTRICTED	(e)	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	(e)

**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**

Aspartame

CAS Number: 22839-47-0

Date Report Requested: 01/28/2008

Time Report Requested: 17:57:48

First Dose M/F: 06/27/97 / 06/27/97

Lab: CRC

Test Type: CHRONIC-LIFETIME

Route: DOSED FEED

Species/Strain: RATS/SD

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
TERMINAL SACRIFICE AT 105 WEEKS**

---

**Females**

**DOSE**                      **0 PPM**

---

**Heart**  
**Leukemia Lymphoblastic**

---

**TUMOR RATES**

OVERALL (a)	0/149 (0%)
POLY-3 RATE (b)	0/98.04
POLY-3 PERCENT (g)	0%
TERMINAL (d)	0/40 (0%)
FIRST INCIDENCE	---

---

**STATISTICAL TESTS**

LIFE TABLE	P=0.436N
POLY 3	P=0.433N
POLY 1.5	P=0.436N
POLY 6	P=0.427N
LOGISTIC REGRESSION	P=0.525N
COCH-ARM / FISHERS	P=0.438N
ORDER RESTRICTED	P=0.453
MAX-ISO-POLY-3	P=0.456

---

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Date Report Requested: 01/28/2008

Test Type: CHRONIC-LIFETIME

Aspartame

Time Report Requested: 17:57:48

Route: DOSED FEED

CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
 TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Females					
	100000 PPM	50000 PPM	10000 PPM	2000 PPM	400 PPM	80 PPM

Heart  
 Leukemia Myeloid

TUMOR RATES

OVERALL (a)	1/99 (1%)	0/99 (0%)	0/99 (0%)	1/149 (1%)	0/150 (0%)	0/150 (0%)
POLY-3 RATE (b)	1/75.77	0/69.74	0/70.12	1/98.05	0/102.84	0/97.16
POLY-3 PERCENT (g)	1.3%	0%	0%	1%	0%	0%
TERMINAL (d)	0/44 (0%)	0/36 (0%)	0/30 (0%)	0/45 (0%)	0/45 (0%)	0/46 (0%)
FIRST INCIDENCE	331	---	---	729	---	---

STATISTICAL TESTS

LIFE TABLE	P=0.425	(e)	(e)	P=0.532	(e)	(e)
POLY 3	P=0.448	(e)	(e)	P=0.500	(e)	(e)
POLY 1.5	P=0.435	(e)	(e)	P=0.498	(e)	(e)
POLY 6	P=0.466	(e)	(e)	P=0.504	(e)	(e)
LOGISTIC REGRESSION	P=0.260	(e)	(e)	P=0.529	(e)	(e)
COCH-ARM / FISHERS	P=0.399	(e)	(e)	P=0.500	(e)	(e)
ORDER RESTRICTED	(e)	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	(e)

**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**

Aspartame

CAS Number: 22839-47-0

Date Report Requested: 01/28/2008

Time Report Requested: 17:57:48

First Dose M/F: 06/27/97 / 06/27/97

Lab: CRC

Test Type: CHRONIC-LIFETIME

Route: DOSED FEED

Species/Strain: RATS/SD

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
TERMINAL SACRIFICE AT 105 WEEKS**

---

**Females**

**DOSE**                      **0 PPM**

---

**Heart**  
**Leukemia Myeloid**

---

**TUMOR RATES**

OVERALL (a)	0/149 (0%)
POLY-3 RATE (b)	0/98.04
POLY-3 PERCENT (g)	0%
TERMINAL (d)	0/40 (0%)
FIRST INCIDENCE	---

---

**STATISTICAL TESTS**

LIFE TABLE	P=0.235
POLY 3	P=0.209
POLY 1.5	P=0.199
POLY 6	P=0.222
LOGISTIC REGRESSION	P=0.150
COCH-ARM / FISHERS	P=0.188
ORDER RESTRICTED	P=0.117
MAX-ISO-POLY-3	P=0.128

---

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Date Report Requested: 01/28/2008

Test Type: CHRONIC-LIFETIME

Aspartame

Time Report Requested: 17:57:48

Route: DOSED FEED

CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
 TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Females					
	100000 PPM	50000 PPM	10000 PPM	2000 PPM	400 PPM	80 PPM
<b>Heart</b>						
<b>Lymphoma Lympho-immunoblastic</b>						
<b>TUMOR RATES</b>						
OVERALL (a)	0/99 (0%)	0/99 (0%)	0/99 (0%)	0/149 (0%)	0/150 (0%)	0/150 (0%)
POLY-3 RATE (b)	0/74.87	0/69.74	0/70.12	0/98.05	0/102.84	0/97.16
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	0%
TERMINAL (d)	0/44 (0%)	0/36 (0%)	0/30 (0%)	0/45 (0%)	0/45 (0%)	0/46 (0%)
FIRST INCIDENCE	---	---	---	---	---	---
<b>STATISTICAL TESTS</b>						
LIFE TABLE	(e)	(e)	(e)	(e)	(e)	(e)
POLY 3	(e)	(e)	(e)	(e)	(e)	(e)
POLY 1.5	(e)	(e)	(e)	(e)	(e)	(e)
POLY 6	(e)	(e)	(e)	(e)	(e)	(e)
LOGISTIC REGRESSION	(e)	(e)	(e)	(e)	(e)	(e)
COCH-ARM / FISHERS	(e)	(e)	(e)	(e)	(e)	(e)
ORDER RESTRICTED	(e)	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	(e)



**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**

Aspartame

CAS Number: 22839-47-0

Date Report Requested: 01/28/2008

Time Report Requested: 17:57:48

First Dose M/F: 06/27/97 / 06/27/97

Lab: CRC

Test Type: CHRONIC-LIFETIME

Route: DOSED FEED

Species/Strain: RATS/SD

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)**

**TERMINAL SACRIFICE AT 105 WEEKS**

---

**Females**

**DOSE**                      **0 PPM**

---

**Heart**  
**Lymphoma Lympho-immunoblastic**

---

**TUMOR RATES**

OVERALL (a)	0/149 (0%)
POLY-3 RATE (b)	0/98.04
POLY-3 PERCENT (g)	0%
TERMINAL (d)	0/40 (0%)
FIRST INCIDENCE	---

---

**STATISTICAL TESTS**

LIFE TABLE	(e)
POLY 3	(e)
POLY 1.5	(e)
POLY 6	(e)
LOGISTIC REGRESSION	(e)
COCH-ARM / FISHERS	(e)
ORDER RESTRICTED	(e)
MAX-ISO-POLY-3	(e)

---

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Date Report Requested: 01/28/2008

Test Type: CHRONIC-LIFETIME

Aspartame

Time Report Requested: 17:57:48

Route: DOSED FEED

CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
 TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Females					
	100000 PPM	50000 PPM	10000 PPM	2000 PPM	400 PPM	80 PPM
<b>Heart Myxoma</b>						
<b>TUMOR RATES</b>						
OVERALL (a)	2/99 (2%)	0/99 (0%)	0/99 (0%)	0/149 (0%)	1/150 (1%)	2/150 (1%)
POLY-3 RATE (b)	2/74.87	0/69.74	0/70.12	0/98.05	1/102.84	2/97.16
POLY-3 PERCENT (g)	2.7%	0%	0%	0%	1%	2.1%
TERMINAL (d)	2/44 (5%)	0/36 (0%)	0/30 (0%)	0/45 (0%)	1/45 (2%)	2/46 (4%)
FIRST INCIDENCE	730 (T)	---	---	---	730 (T)	730 (T)
<b>STATISTICAL TESTS</b>						
LIFE TABLE	P=0.260	(e)	(e)	(e)	P=0.523	P=0.270
POLY 3	P=0.179	(e)	(e)	(e)	P=0.510	P=0.236
POLY 1.5	P=0.167	(e)	(e)	(e)	P=0.506	P=0.238
POLY 6	P=0.196	(e)	(e)	(e)	P=0.515	P=0.238
LOGISTIC REGRESSION	P=0.260	(e)	(e)	(e)	P=0.523	P=0.270
COCH-ARM / FISHERS	P=0.158	(e)	(e)	(e)	P=0.502	P=0.251
ORDER RESTRICTED	(e)	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	(e)

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Date Report Requested: 01/28/2008

Test Type: CHRONIC-LIFETIME

Aspartame

Time Report Requested: 17:57:48

Route: DOSED FEED

CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)

TERMINAL SACRIFICE AT 105 WEEKS

Females

DOSE 0 PPM

Heart Myxoma

TUMOR RATES

OVERALL (a)	0/149 (0%)
POLY-3 RATE (b)	0/98.04
POLY-3 PERCENT (g)	0%
TERMINAL (d)	0/40 (0%)
FIRST INCIDENCE	---

STATISTICAL TESTS

LIFE TABLE	P=0.229
POLY 3	P=0.135
POLY 1.5	P=0.129
POLY 6	P=0.144
LOGISTIC REGRESSION	(e)
COCH-ARM / FISHERS	P=0.122
ORDER RESTRICTED	P=0.045*
MAX-ISO-POLY-3	P=0.054

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Date Report Requested: 01/28/2008

Test Type: CHRONIC-LIFETIME

Aspartame

Time Report Requested: 17:57:48

Route: DOSED FEED

CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
 TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Females					
	100000 PPM	50000 PPM	10000 PPM	2000 PPM	400 PPM	80 PPM

Intestine Large: Colon/Rectum  
 Leiomyoma

TUMOR RATES	#	#	#	#	#	#
OVERALL (a)	0/100 (0%)	0/100 (0%)	0/100 (0%)	0/150 (0%)	0/150 (0%)	0/150 (0%)
POLY-3 RATE (b)	0/75.87	0/70.59	0/70.68	0/98.95	0/102.84	0/97.16
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	0%
TERMINAL (d)	0/45 (0%)	0/36 (0%)	0/30 (0%)	0/45 (0%)	0/45 (0%)	0/46 (0%)
FIRST INCIDENCE	---	---	---	---	---	---

STATISTICAL TESTS

LIFE TABLE	P=0.477N	P=0.521N	P=0.557N	P=0.477N	P=0.477N	P=0.472N
POLY 3	P=0.553N	P=0.567N	P=0.567N	P=0.499N	P=0.492N	P=0.503N
POLY 1.5	P=0.565N	P=0.573N	P=0.573N	P=0.502N	P=0.495N	P=0.502N
POLY 6	P=0.535N	P=0.558N	P=0.559N	P=0.495N	P=0.486N	P=0.501N
LOGISTIC REGRESSION	(e)	(e)	(e)	(e)	(e)	(e)
COCH-ARM / FISHERS	P=0.600N	P=0.600N	P=0.600N	P=0.500N	P=0.500N	P=0.500N
ORDER RESTRICTED	(e)	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	(e)

**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**

Aspartame

CAS Number: 22839-47-0

Date Report Requested: 01/28/2008

Time Report Requested: 17:57:48

First Dose M/F: 06/27/97 / 06/27/97

Lab: CRC

Test Type: CHRONIC-LIFETIME

Route: DOSED FEED

Species/Strain: RATS/SD

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
TERMINAL SACRIFICE AT 105 WEEKS**

---

**Females**

**DOSE**                      **0 PPM**

---

**Intestine Large: Colon/Rectum  
Leiomyoma**

---

<b>TUMOR RATES</b>	<b>#</b>
OVERALL (a)	1/150 (1%)
POLY-3 RATE (b)	1/98.69
POLY-3 PERCENT (g)	1%
TERMINAL (d)	1/40 (3%)
FIRST INCIDENCE	730 (T)

---

**STATISTICAL TESTS**

LIFE TABLE	P=0.518N
POLY 3	P=0.596N
POLY 1.5	P=0.589N
POLY 6	P=0.605N
LOGISTIC REGRESSION	P=0.518N
COCH-ARM / FISHERS	P=0.582N
ORDER RESTRICTED	P=0.088N
MAX-ISO-POLY-3	P=0.099N

---

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Date Report Requested: 01/28/2008

Test Type: CHRONIC-LIFETIME

Aspartame

Time Report Requested: 17:57:48

Route: DOSED FEED

CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
 TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Females					
	100000 PPM	50000 PPM	10000 PPM	2000 PPM	400 PPM	80 PPM

Intestine Large: Colon/Rectum  
 Polyp Adenomatous

TUMOR RATES	#	#	#	#	#	#
OVERALL (a)	0/100 (0%)	2/100 (2%)	1/100 (1%)	1/150 (1%)	0/150 (0%)	0/150 (0%)
POLY-3 RATE (b)	0/75.87	2/71.06	1/70.68	1/98.95	0/102.84	0/97.16
POLY-3 PERCENT (g)	0%	2.8%	1.4%	1%	0%	0%
TERMINAL (d)	0/45 (0%)	0/36 (0%)	1/30 (3%)	1/45 (2%)	0/45 (0%)	0/46 (0%)
FIRST INCIDENCE	---	651	730 (T)	730 (T)	---	---

STATISTICAL TESTS

LIFE TABLE	P=0.580N	P=0.409	P=0.684	P=0.754N	P=0.503N	P=0.510N
POLY 3	P=0.555N	P=0.383	P=0.684	P=0.760	P=0.493N	P=0.505N
POLY 1.5	P=0.566N	P=0.373	P=0.677	P=0.758	P=0.496N	P=0.503N
POLY 6	P=0.537N	P=0.401	P=0.694	P=0.758N	P=0.489N	P=0.503N
LOGISTIC REGRESSION	P=0.670N	P=0.350	P=0.656	P=0.758N	P=0.526N	P=0.497N
COCH-ARM / FISHERS	P=0.600N	P=0.351	P=0.641	P=0.751N	P=0.500N	P=0.500N
ORDER RESTRICTED	(e)	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	(e)

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Date Report Requested: 01/28/2008

Test Type: CHRONIC-LIFETIME

Aspartame

Time Report Requested: 17:57:48

Route: DOSED FEED

CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
TERMINAL SACRIFICE AT 105 WEEKS

Females

DOSE 0 PPM

Intestine Large: Colon/Rectum  
Polyp Adenomatous

TUMOR RATES	#
OVERALL (a)	1/150 (1%)
POLY-3 RATE (b)	1/99.47
POLY-3 PERCENT (g)	1%
TERMINAL (d)	0/40 (0%)
FIRST INCIDENCE	443

STATISTICAL TESTS

LIFE TABLE	P=0.607
POLY 3	P=0.598
POLY 1.5	P=0.566
POLY 6	P=0.639
LOGISTIC REGRESSION	P=0.540
COCH-ARM / FISHERS	P=0.522
ORDER RESTRICTED	P=0.431
MAX-ISO-POLY-3	P=0.434

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Date Report Requested: 01/28/2008

Test Type: CHRONIC-LIFETIME

Aspartame

Time Report Requested: 17:57:48

Route: DOSED FEED

CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
 TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Females					
	100000 PPM	50000 PPM	10000 PPM	2000 PPM	400 PPM	80 PPM

Islets, Pancreatic  
 Adenoma

TUMOR RATES

OVERALL (a)	0/99 (0%)	1/99 (1%)	0/99 (0%)	2/149 (1%)	1/147 (1%)	4/149 (3%)
POLY-3 RATE (b)	0/75.6	1/69.74	0/70.12	2/98.85	1/101.39	4/96.39
POLY-3 PERCENT (g)	0%	1.4%	0%	2%	1%	4.2%
TERMINAL (d)	0/45 (0%)	1/36 (3%)	0/30 (0%)	2/45 (4%)	1/45 (2%)	4/46 (9%)
FIRST INCIDENCE	---	730 (T)	---	730 (T)	730 (T)	730 (T)

STATISTICAL TESTS

LIFE TABLE	P=0.560N	P=0.701	P=0.576N	P=0.525	P=0.746N	P=0.212
POLY 3	P=0.555N	P=0.681	P=0.570N	P=0.499	P=0.756N	P=0.173
POLY 1.5	P=0.567N	P=0.674	P=0.575N	P=0.495	P=0.760N	P=0.176
POLY 6	P=0.537N	P=0.693	P=0.562N	P=0.506	P=0.750N	P=0.174
LOGISTIC REGRESSION	P=0.612N	P=0.677	P=0.597N	P=0.505	P=0.759N	P=0.183
COCH-ARM / FISHERS	P=0.602N	P=0.638	P=0.602N	P=0.497	P=0.746	P=0.183
ORDER RESTRICTED	(e)	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	(e)



P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Date Report Requested: 01/28/2008

Test Type: CHRONIC-LIFETIME

Aspartame

Time Report Requested: 17:57:48

Route: DOSED FEED

CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
TERMINAL SACRIFICE AT 105 WEEKS

---

Females

DOSE                                      0 PPM

---

Islets, Pancreatic  
Adenoma

---

TUMOR RATES

OVERALL (a)	1/150 (1%)
POLY-3 RATE (b)	1/99.2
POLY-3 PERCENT (g)	1%
TERMINAL (d)	0/40 (0%)
FIRST INCIDENCE	578

---

STATISTICAL TESTS

LIFE TABLE	P=0.120N
POLY 3	P=0.171N
POLY 1.5	P=0.181N
POLY 6	P=0.156N
LOGISTIC REGRESSION	P=0.141N
COCH-ARM / FISHERS	P=0.195N
ORDER RESTRICTED	P=0.149N
MAX-ISO-POLY-3	P=0.164N

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P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Date Report Requested: 01/28/2008

Test Type: CHRONIC-LIFETIME

Aspartame

Time Report Requested: 17:57:48

Route: DOSED FEED

CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
 TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Females					
	100000 PPM	50000 PPM	10000 PPM	2000 PPM	400 PPM	80 PPM

Islets, Pancreatic  
 Carcinoma or Adenoma

TUMOR RATES

OVERALL (a)	0/99 (0%)	1/99 (1%)	0/99 (0%)	2/149 (1%)	2/147 (1%)	4/149 (3%)
POLY-3 RATE (b)	0/75.6	1/69.74	0/70.12	2/98.85	2/101.74	4/96.39
POLY-3 PERCENT (g)	0%	1.4%	0%	2%	2%	4.2%
TERMINAL (d)	0/45 (0%)	1/36 (3%)	0/30 (0%)	2/45 (4%)	1/45 (2%)	4/46 (9%)
FIRST INCIDENCE	---	730 (T)	---	730 (T)	633	730 (T)

STATISTICAL TESTS

LIFE TABLE	P=0.560N	P=0.701	P=0.576N	P=0.525	P=0.529	P=0.212
POLY 3	P=0.555N	P=0.681	P=0.570N	P=0.499	P=0.509	P=0.173
POLY 1.5	P=0.567N	P=0.674	P=0.575N	P=0.495	P=0.502	P=0.176
POLY 6	P=0.537N	P=0.693	P=0.562N	P=0.506	P=0.520	P=0.174
LOGISTIC REGRESSION	P=0.612N	P=0.677	P=0.597N	P=0.505	P=0.502	P=0.183
COCH-ARM / FISHERS	P=0.602N	P=0.638	P=0.602N	P=0.497	P=0.492	P=0.183
ORDER RESTRICTED	(e)	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	(e)

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Date Report Requested: 01/28/2008

Test Type: CHRONIC-LIFETIME

Aspartame

Time Report Requested: 17:57:48

Route: DOSED FEED

CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
TERMINAL SACRIFICE AT 105 WEEKS

Females

DOSE 0 PPM

Islets, Pancreatic  
Carcinoma or Adenoma

TUMOR RATES

OVERALL (a)	1/150 (1%)
POLY-3 RATE (b)	1/99.2
POLY-3 PERCENT (g)	1%
TERMINAL (d)	0/40 (0%)
FIRST INCIDENCE	578

STATISTICAL TESTS

LIFE TABLE	P=0.097N
POLY 3	P=0.138N
POLY 1.5	P=0.147N
POLY 6	P=0.124N
LOGISTIC REGRESSION	P=0.118N
COCH-ARM / FISHERS	P=0.162N
ORDER RESTRICTED	P=0.171N
MAX-ISO-POLY-3	P=0.185N

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Date Report Requested: 01/28/2008

Test Type: CHRONIC-LIFETIME

Aspartame

Time Report Requested: 17:57:48

Route: DOSED FEED

CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
 TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Females					
	100000 PPM	50000 PPM	10000 PPM	2000 PPM	400 PPM	80 PPM

Islets, Pancreatic  
 Leukemia Myeloid

TUMOR RATES

OVERALL (a)	2/99 (2%)	0/99 (0%)	0/99 (0%)	1/149 (1%)	0/147 (0%)	0/149 (0%)
POLY-3 RATE (b)	2/76.5	0/69.74	0/70.12	1/98.85	0/101.39	0/96.39
POLY-3 PERCENT (g)	2.6%	0%	0%	1%	0%	0%
TERMINAL (d)	1/45 (2%)	0/36 (0%)	0/30 (0%)	0/45 (0%)	0/45 (0%)	0/46 (0%)
FIRST INCIDENCE	331	---	---	729	---	---

STATISTICAL TESTS

LIFE TABLE	P=0.211	(e)	(e)	P=0.532	(e)	(e)
POLY 3	P=0.181	(e)	(e)	P=0.500	(e)	(e)
POLY 1.5	P=0.169	(e)	(e)	P=0.498	(e)	(e)
POLY 6	P=0.201	(e)	(e)	P=0.505	(e)	(e)
LOGISTIC REGRESSION	P=0.106	(e)	(e)	P=0.530	(e)	(e)
COCH-ARM / FISHERS	P=0.157	(e)	(e)	P=0.498	(e)	(e)
ORDER RESTRICTED	(e)	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	(e)

**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**

Aspartame

CAS Number: 22839-47-0

Date Report Requested: 01/28/2008

Time Report Requested: 17:57:48

First Dose M/F: 06/27/97 / 06/27/97

Lab: CRC

Test Type: CHRONIC-LIFETIME

Route: DOSED FEED

Species/Strain: RATS/SD

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)**

**TERMINAL SACRIFICE AT 105 WEEKS**

---

**Females**

**DOSE**                      **0 PPM**

---

**Islets, Pancreatic  
Leukemia Myeloid**

---

**TUMOR RATES**

OVERALL (a)	0/150 (0%)
POLY-3 RATE (b)	0/98.69
POLY-3 PERCENT (g)	0%
TERMINAL (d)	0/40 (0%)
FIRST INCIDENCE	---

---

**STATISTICAL TESTS**

LIFE TABLE	P=0.034*
POLY 3	P=0.018*
POLY 1.5	P=0.016*
POLY 6	P=0.019*
LOGISTIC REGRESSION	P=0.012*
COCH-ARM / FISHERS	P=0.015*
ORDER RESTRICTED	P=0.010**
MAX-ISO-POLY-3	P=0.013*

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P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Date Report Requested: 01/28/2008

Test Type: CHRONIC-LIFETIME

Aspartame

Time Report Requested: 17:57:48

Route: DOSED FEED

CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
 TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Females					
	100000 PPM	50000 PPM	10000 PPM	2000 PPM	400 PPM	80 PPM

Kidney: Pelvis and Transitional Epithelium  
 Carcinoma

TUMOR RATES

OVERALL (a)	4/100 (4%)	3/99 (3%)	3/100 (3%)	3/150 (2%)	3/150 (2%)	1/150 (1%)
POLY-3 RATE (b)	4/76.24	3/70.72	3/72.3	3/98.95	3/103.6	1/97.53
POLY-3 PERCENT (g)	5.3%	4.2%	4.2%	3%	2.9%	1%
TERMINAL (d)	2/45 (4%)	1/36 (3%)	0/30 (0%)	3/45 (7%)	1/45 (2%)	0/46 (0%)
FIRST INCIDENCE	653	542	474	730 (T)	572	624

STATISTICAL TESTS

LIFE TABLE	P=0.075	P=0.081	P=0.073	P=0.143	P=0.137	P=0.515
POLY 3	P=0.034*	P=0.068	P=0.071	P=0.122	P=0.130	P=0.498
POLY 1.5	P=0.029*	P=0.064	P=0.066	P=0.120	P=0.127	P=0.498
POLY 6	P=0.043*	P=0.075	P=0.078	P=0.126	P=0.137	P=0.501
LOGISTIC REGRESSION	P=0.048*	P=0.061	P=0.048*	P=0.143	P=0.128	P=0.499
COCH-ARM / FISHERS	P=0.025*	P=0.062	P=0.063	P=0.124	P=0.124	P=0.500
ORDER RESTRICTED	(e)	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	(e)

Test Type: CHRONIC-LIFETIME

Aspartame

Time Report Requested: 17:57:48

Route: DOSED FEED

CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
 TERMINAL SACRIFICE AT 105 WEEKS

Females

DOSE 0 PPM

Kidney: Pelvis and Transitional Epithelium  
 Carcinoma

TUMOR RATES

OVERALL (a)	0/150 (0%)
POLY-3 RATE (b)	0/98.69
POLY-3 PERCENT (g)	0%
TERMINAL (d)	0/40 (0%)
FIRST INCIDENCE	---

STATISTICAL TESTS

LIFE TABLE	P=0.091
POLY 3	P=0.047*
POLY 1.5	P=0.038*
POLY 6	P=0.063
LOGISTIC REGRESSION	P=0.040*
COCH-ARM / FISHERS	P=0.029*
ORDER RESTRICTED	P=0.029*
MAX-ISO-POLY-3	P=0.035*

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Date Report Requested: 01/28/2008

Test Type: CHRONIC-LIFETIME

Aspartame

Time Report Requested: 17:57:48

Route: DOSED FEED

CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
 TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Females					
	100000 PPM	50000 PPM	10000 PPM	2000 PPM	400 PPM	80 PPM

Kidney: Pelvis and Transitional Epithelium  
 Papilloma

TUMOR RATES

OVERALL (a)	3/100 (3%)	1/99 (1%)	4/100 (4%)	2/150 (1%)	2/150 (1%)	3/150 (2%)
POLY-3 RATE (b)	3/76.39	1/69.74	4/71.64	2/99.43	2/103.64	3/97.97
POLY-3 PERCENT (g)	3.9%	1.4%	5.6%	2%	1.9%	3.1%
TERMINAL (d)	2/45 (4%)	1/36 (3%)	0/30 (0%)	1/45 (2%)	0/45 (0%)	0/46 (0%)
FIRST INCIDENCE	571	730 (T)	494	589	507	570

STATISTICAL TESTS

LIFE TABLE	P=0.294	P=0.719	P=0.118	P=0.518	P=0.530	P=0.315
POLY 3	P=0.217	P=0.682	P=0.096	P=0.501	P=0.516	P=0.303
POLY 1.5	P=0.199	P=0.675	P=0.090	P=0.497	P=0.509	P=0.304
POLY 6	P=0.246	P=0.693	P=0.105	P=0.510	P=0.526	P=0.308
LOGISTIC REGRESSION	P=0.206	P=0.688	P=0.090	P=0.499	P=0.497	P=0.304
COCH-ARM / FISHERS	P=0.177	P=0.638	P=0.085	P=0.500	P=0.500	P=0.311
ORDER RESTRICTED	(e)	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	(e)



**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**

**Test Type:** CHRONIC-LIFETIME  
**Route:** DOSED FEED  
**Species/Strain:** RATS/SD

Aspartame  
**CAS Number:** 22839-47-0

**Date Report Requested:** 01/28/2008  
**Time Report Requested:** 17:57:48  
**First Dose M/F:** 06/27/97 / 06/27/97  
**Lab:** CRC

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
TERMINAL SACRIFICE AT 105 WEEKS**

---

**Females**

**DOSE**                      **0 PPM**

---

**Kidney: Pelvis and Transitional Epithelium  
Papilloma**

---

**TUMOR RATES**

OVERALL (a)	1/150 (1%)
POLY-3 RATE (b)	1/99.06
POLY-3 PERCENT (g)	1%
TERMINAL (d)	0/40 (0%)
FIRST INCIDENCE	629

---

**STATISTICAL TESTS**

LIFE TABLE	P=0.425
POLY 3	P=0.334
POLY 1.5	P=0.306
POLY 6	P=0.376
LOGISTIC REGRESSION	P=0.311
COCH-ARM / FISHERS	P=0.270
ORDER RESTRICTED	P=0.214
MAX-ISO-POLY-3	P=0.225

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P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Date Report Requested: 01/28/2008

Test Type: CHRONIC-LIFETIME

Aspartame

Time Report Requested: 17:57:48

Route: DOSED FEED

CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
 TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Females					
	100000 PPM	50000 PPM	10000 PPM	2000 PPM	400 PPM	80 PPM

Kidney: Renal Tubule  
 Leukemia Lymphoblastic

TUMOR RATES

OVERALL (a)	0/100 (0%)	0/99 (0%)	0/100 (0%)	2/150 (1%)	0/150 (0%)	0/150 (0%)
POLY-3 RATE (b)	0/75.87	0/69.74	0/70.68	2/100.93	0/102.84	0/97.16
POLY-3 PERCENT (g)	0%	0%	0%	2%	0%	0%
TERMINAL (d)	0/45 (0%)	0/36 (0%)	0/30 (0%)	0/45 (0%)	0/45 (0%)	0/46 (0%)
FIRST INCIDENCE	---	---	---	100	---	---

STATISTICAL TESTS

LIFE TABLE	(e)	(e)	(e)	P=0.238	(e)	(e)
POLY 3	(e)	(e)	(e)	P=0.243	(e)	(e)
POLY 1.5	(e)	(e)	(e)	P=0.240	(e)	(e)
POLY 6	(e)	(e)	(e)	P=0.250	(e)	(e)
LOGISTIC REGRESSION	(e)	(e)	(e)	P=0.806	(e)	(e)
COCH-ARM / FISHERS	(e)	(e)	(e)	P=0.249	(e)	(e)
ORDER RESTRICTED	(e)	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	(e)

**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**

Aspartame

CAS Number: 22839-47-0

Date Report Requested: 01/28/2008

Time Report Requested: 17:57:48

First Dose M/F: 06/27/97 / 06/27/97

Lab: CRC

Test Type: CHRONIC-LIFETIME

Route: DOSED FEED

Species/Strain: RATS/SD

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
TERMINAL SACRIFICE AT 105 WEEKS**

---

**Females**

**DOSE**                      **0 PPM**

---

**Kidney: Renal Tubule  
Leukemia Lymphoblastic**

---

**TUMOR RATES**

OVERALL (a)	0/150 (0%)
POLY-3 RATE (b)	0/98.69
POLY-3 PERCENT (g)	0%
TERMINAL (d)	0/40 (0%)
FIRST INCIDENCE	---

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**STATISTICAL TESTS**

LIFE TABLE	P=0.436N
POLY 3	P=0.432N
POLY 1.5	P=0.435N
POLY 6	P=0.426N
LOGISTIC REGRESSION	P=0.525N
COCH-ARM / FISHERS	P=0.437N
ORDER RESTRICTED	P=0.452
MAX-ISO-POLY-3	P=0.455

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P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Date Report Requested: 01/28/2008

Test Type: CHRONIC-LIFETIME

Aspartame

Time Report Requested: 17:57:48

Route: DOSED FEED

CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
 TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Females					
	100000 PPM	50000 PPM	10000 PPM	2000 PPM	400 PPM	80 PPM

Kidney: Renal Tubule  
 Leukemia Monocytic

TUMOR RATES

OVERALL (a)	1/100 (1%)	4/99 (4%)	1/100 (1%)	1/150 (1%)	4/150 (3%)	1/150 (1%)
POLY-3 RATE (b)	1/75.87	4/71.49	1/70.68	1/99.55	4/103.53	1/97.16
POLY-3 PERCENT (g)	1.3%	5.6%	1.4%	1%	3.9%	1%
TERMINAL (d)	1/45 (2%)	1/36 (3%)	1/30 (3%)	0/45 (0%)	1/45 (2%)	1/46 (2%)
FIRST INCIDENCE	730 (T)	503	730 (T)	540	509	730 (T)

STATISTICAL TESTS

LIFE TABLE	P=0.523	P=0.033*	P=0.443	P=0.500	P=0.085	P=0.528
POLY 3	P=0.447	P=0.029*	P=0.433	P=0.502	P=0.070	P=0.497
POLY 1.5	P=0.435	P=0.026*	P=0.427	P=0.499	P=0.068	P=0.498
POLY 6	P=0.465	P=0.033*	P=0.441	P=0.508	P=0.074	P=0.499
LOGISTIC REGRESSION	P=0.523	P=0.022*	P=0.443	P=0.513	P=0.071	P=0.528
COCH-ARM / FISHERS	P=0.400	P=0.024*	P=0.400	P=0.500	P=0.061	P=0.500
ORDER RESTRICTED	(e)	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	(e)

**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**

Aspartame

CAS Number: 22839-47-0

Date Report Requested: 01/28/2008

Time Report Requested: 17:57:48

First Dose M/F: 06/27/97 / 06/27/97

Lab: CRC

Test Type: CHRONIC-LIFETIME

Route: DOSED FEED

Species/Strain: RATS/SD

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
TERMINAL SACRIFICE AT 105 WEEKS**

---

**Females**

**DOSE**                      **0 PPM**

---

**Kidney: Renal Tubule  
Leukemia Monocytic**

---

**TUMOR RATES**

OVERALL (a)	0/150 (0%)
POLY-3 RATE (b)	0/98.69
POLY-3 PERCENT (g)	0%
TERMINAL (d)	0/40 (0%)
FIRST INCIDENCE	---

---

**STATISTICAL TESTS**

LIFE TABLE	P=0.401
POLY 3	P=0.350
POLY 1.5	P=0.313
POLY 6	P=0.403
LOGISTIC REGRESSION	P=0.292
COCH-ARM / FISHERS	P=0.265
ORDER RESTRICTED	P=0.095
MAX-ISO-POLY-3	P=0.106

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P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Date Report Requested: 01/28/2008

Test Type: CHRONIC-LIFETIME

Aspartame

Time Report Requested: 17:57:48

Route: DOSED FEED

CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
 TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Females					
	100000 PPM	50000 PPM	10000 PPM	2000 PPM	400 PPM	80 PPM

Kidney: Renal Tubule  
 Leukemia Myeloid

TUMOR RATES

OVERALL (a)	2/100 (2%)	1/99 (1%)	0/100 (0%)	1/150 (1%)	0/150 (0%)	0/150 (0%)
POLY-3 RATE (b)	2/76.77	1/69.93	0/70.68	1/98.96	0/102.84	0/97.16
POLY-3 PERCENT (g)	2.6%	1.4%	0%	1%	0%	0%
TERMINAL (d)	1/45 (2%)	0/36 (0%)	0/30 (0%)	0/45 (0%)	0/45 (0%)	0/46 (0%)
FIRST INCIDENCE	331	680	---	729	---	---

STATISTICAL TESTS

LIFE TABLE	P=0.211	P=0.460	(e)	P=0.532	(e)	(e)
POLY 3	P=0.182	P=0.431	(e)	P=0.501	(e)	(e)
POLY 1.5	P=0.170	P=0.425	(e)	P=0.498	(e)	(e)
POLY 6	P=0.202	P=0.441	(e)	P=0.505	(e)	(e)
LOGISTIC REGRESSION	P=0.110	P=0.435	(e)	P=0.530	(e)	(e)
COCH-ARM / FISHERS	P=0.159	P=0.398	(e)	P=0.500	(e)	(e)
ORDER RESTRICTED	(e)	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	(e)

Test Type: CHRONIC-LIFETIME

Aspartame

Time Report Requested: 17:57:48

Route: DOSED FEED

CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
 TERMINAL SACRIFICE AT 105 WEEKS

Females

DOSE 0 PPM

Kidney: Renal Tubule  
 Leukemia Myeloid

TUMOR RATES

OVERALL (a)	0/150 (0%)
POLY-3 RATE (b)	0/98.69
POLY-3 PERCENT (g)	0%
TERMINAL (d)	0/40 (0%)
FIRST INCIDENCE	---

STATISTICAL TESTS

LIFE TABLE	P=0.024*
POLY 3	P=0.012*
POLY 1.5	P=0.011*
POLY 6	P=0.015*
LOGISTIC REGRESSION	P=0.008**
COCH-ARM / FISHERS	P=0.009**
ORDER RESTRICTED	P=0.026*
MAX-ISO-POLY-3	P=0.024*

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Date Report Requested: 01/28/2008

Test Type: CHRONIC-LIFETIME

Aspartame

Time Report Requested: 17:57:48

Route: DOSED FEED

CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
 TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Females					
	100000 PPM	50000 PPM	10000 PPM	2000 PPM	400 PPM	80 PPM

Kidney: Renal Tubule  
 Lymphoma Lympho-immunoblastic

TUMOR RATES

OVERALL (a)	0/100 (0%)	1/99 (1%)	0/100 (0%)	0/150 (0%)	1/150 (1%)	0/150 (0%)
POLY-3 RATE (b)	0/75.87	1/69.74	0/70.68	0/98.95	1/102.84	0/97.16
POLY-3 PERCENT (g)	0%	1.4%	0%	0%	1%	0%
TERMINAL (d)	0/45 (0%)	1/36 (3%)	0/30 (0%)	0/45 (0%)	1/45 (2%)	0/46 (0%)
FIRST INCIDENCE	---	730 (T)	---	---	730 (T)	---

STATISTICAL TESTS

LIFE TABLE	P=0.568N	P=0.707	P=0.572N	P=0.502N	P=0.744N	P=0.513N
POLY 3	P=0.554N	P=0.681	P=0.568N	P=0.501N	P=0.753N	P=0.505N
POLY 1.5	P=0.566N	P=0.674	P=0.573N	P=0.502N	P=0.756N	P=0.503N
POLY 6	P=0.537N	P=0.692	P=0.561N	P=0.497N	P=0.748N	P=0.503N
LOGISTIC REGRESSION	P=0.650N	P=0.662	P=0.632N	P=0.469N	P=0.759	P=0.495N
COCH-ARM / FISHERS	P=0.600N	P=0.638	P=0.600N	P=0.500N	P=0.751N	P=0.500N
ORDER RESTRICTED	(e)	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	(e)



**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**

Aspartame

CAS Number: 22839-47-0

Date Report Requested: 01/28/2008

Time Report Requested: 17:57:48

First Dose M/F: 06/27/97 / 06/27/97

Lab: CRC

Test Type: CHRONIC-LIFETIME

Route: DOSED FEED

Species/Strain: RATS/SD

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
TERMINAL SACRIFICE AT 105 WEEKS**

---

**Females**

**DOSE**                      **0 PPM**

---

**Kidney: Renal Tubule  
Lymphoma Lympho-immunoblastic**

---

**TUMOR RATES**

OVERALL (a)	1/150 (1%)
POLY-3 RATE (b)	1/99.4
POLY-3 PERCENT (g)	1%
TERMINAL (d)	0/40 (0%)
FIRST INCIDENCE	485

---

**STATISTICAL TESTS**

LIFE TABLE	P=0.562N
POLY 3	P=0.614N
POLY 1.5	P=0.626N
POLY 6	P=0.598N
LOGISTIC REGRESSION	P=0.629N
COCH-ARM / FISHERS	P=0.644N
ORDER RESTRICTED	P=0.332N
MAX-ISO-POLY-3	P=0.341N

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P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Date Report Requested: 01/28/2008

Test Type: CHRONIC-LIFETIME

Aspartame

Time Report Requested: 17:57:48

Route: DOSED FEED

CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
 TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Females					
	100000 PPM	50000 PPM	10000 PPM	2000 PPM	400 PPM	80 PPM
<b>Liver</b>						
<b>Cholangioma</b>						
<b>TUMOR RATES</b>						
OVERALL (a)	4/100 (4%)	2/99 (2%)	0/99 (0%)	0/149 (0%)	2/149 (1%)	0/150 (0%)
POLY-3 RATE (b)	4/76.43	2/69.74	0/70.12	0/98.89	2/103.05	0/97.16
POLY-3 PERCENT (g)	5.2%	2.9%	0%	0%	1.9%	0%
TERMINAL (d)	3/45 (7%)	2/36 (6%)	0/30 (0%)	0/45 (0%)	0/45 (0%)	0/46 (0%)
FIRST INCIDENCE	552	730 (T)	---	---	558	---
<b>STATISTICAL TESTS</b>						
LIFE TABLE	P=0.529	P=0.548N	P=0.176N	P=0.101N	P=0.452N	P=0.098N
POLY 3	P=0.363	P=0.655N	P=0.187N	P=0.121N	P=0.481N	P=0.124N
POLY 1.5	P=0.331	P=0.667N	P=0.194N	P=0.124N	P=0.490N	P=0.124N
POLY 6	P=0.413	P=0.635N	P=0.176N	P=0.116N	P=0.465N	P=0.122N
LOGISTIC REGRESSION	P=0.432	P=0.548N	(e)	(e)	P=0.466N	(e)
COCH-ARM / FISHERS	P=0.287	P=0.661	P=0.217N	P=0.125N	P=0.503N	P=0.124N
ORDER RESTRICTED	(e)	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	(e)

Test Type: CHRONIC-LIFETIME

Aspartame

Time Report Requested: 17:57:48

Route: DOSED FEED

CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
 TERMINAL SACRIFICE AT 105 WEEKS

Females

DOSE 0 PPM

Liver  
 Cholangioma

TUMOR RATES

OVERALL (a)	3/150 (2%)
POLY-3 RATE (b)	3/98.69
POLY-3 PERCENT (g)	3%
TERMINAL (d)	3/40 (8%)
FIRST INCIDENCE	730 (T)

STATISTICAL TESTS

LIFE TABLE	P=0.028*
POLY 3	P=0.008**
POLY 1.5	P=0.007**
POLY 6	P=0.010**
LOGISTIC REGRESSION	P=0.014*
COCH-ARM / FISHERS	P=0.005**
ORDER RESTRICTED	P=0.031*
MAX-ISO-POLY-3	P=0.015*

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Date Report Requested: 01/28/2008

Test Type: CHRONIC-LIFETIME

Aspartame

Time Report Requested: 17:57:48

Route: DOSED FEED

CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
 TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Females					
	100000 PPM	50000 PPM	10000 PPM	2000 PPM	400 PPM	80 PPM

Liver  
 Hepatocellular Adenoma

TUMOR RATES

OVERALL (a)	0/100 (0%)	0/99 (0%)	0/99 (0%)	0/149 (0%)	0/149 (0%)	1/150 (1%)
POLY-3 RATE (b)	0/75.87	0/69.74	0/70.12	0/98.89	0/102.49	1/97.16
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	1%
TERMINAL (d)	0/45 (0%)	0/36 (0%)	0/30 (0%)	0/45 (0%)	0/45 (0%)	1/46 (2%)
FIRST INCIDENCE	---	---	---	---	---	730 (T)

STATISTICAL TESTS

LIFE TABLE	P=0.264N	P=0.299N	P=0.293N	P=0.238N	P=0.221N	P=0.479N
POLY 3	P=0.298N	P=0.319N	P=0.317N	P=0.240N	P=0.232N	P=0.508N
POLY 1.5	P=0.313N	P=0.325N	P=0.324N	P=0.242N	P=0.235N	P=0.505N
POLY 6	P=0.278N	P=0.308N	P=0.308N	P=0.235N	P=0.227N	P=0.507N
LOGISTIC REGRESSION	P=0.332N	P=0.332N	P=0.332N	P=0.241N	P=0.239N	P=0.504N
COCH-ARM / FISHERS	P=0.359N	P=0.362N	P=0.362N	P=0.251N	P=0.251N	P=0.500N
ORDER RESTRICTED	(e)	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	(e)



P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Date Report Requested: 01/28/2008

Test Type: CHRONIC-LIFETIME

Aspartame

Time Report Requested: 17:57:48

Route: DOSED FEED

CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
 TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Females					
	100000 PPM	50000 PPM	10000 PPM	2000 PPM	400 PPM	80 PPM

Liver  
 Hepatocellular Carcinoma or Hepatocellular Adenoma

TUMOR RATES

OVERALL (a)	0/100 (0%)	0/99 (0%)	0/99 (0%)	0/149 (0%)	1/149 (1%)	1/150 (1%)
POLY-3 RATE (b)	0/75.87	0/69.74	0/70.12	0/98.89	1/102.9	1/97.16
POLY-3 PERCENT (g)	0%	0%	0%	0%	1%	1%
TERMINAL (d)	0/45 (0%)	0/36 (0%)	0/30 (0%)	0/45 (0%)	0/45 (0%)	1/46 (2%)
FIRST INCIDENCE	---	---	---	---	613	730 (T)

STATISTICAL TESTS

LIFE TABLE	P=0.264N	P=0.299N	P=0.293N	P=0.238N	P=0.471N	P=0.479N
POLY 3	P=0.298N	P=0.319N	P=0.317N	P=0.240N	P=0.488N	P=0.508N
POLY 1.5	P=0.313N	P=0.325N	P=0.324N	P=0.242N	P=0.494N	P=0.505N
POLY 6	P=0.278N	P=0.308N	P=0.308N	P=0.235N	P=0.479N	P=0.507N
LOGISTIC REGRESSION	P=0.332N	P=0.332N	P=0.332N	P=0.241N	P=0.502N	P=0.504N
COCH-ARM / FISHERS	P=0.359N	P=0.362N	P=0.362N	P=0.251N	P=0.503N	P=0.500N
ORDER RESTRICTED	(e)	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	(e)

Test Type: CHRONIC-LIFETIME

Aspartame

Time Report Requested: 17:57:48

Route: DOSED FEED

CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
 TERMINAL SACRIFICE AT 105 WEEKS

Females

DOSE 0 PPM

Liver  
 Hepatocellular Carcinoma or Hepatocellular Adenoma

TUMOR RATES

OVERALL (a)	2/150 (1%)
POLY-3 RATE (b)	2/99.43
POLY-3 PERCENT (g)	2%
TERMINAL (d)	0/40 (0%)
FIRST INCIDENCE	617

STATISTICAL TESTS

LIFE TABLE	P=0.196N
POLY 3	P=0.226N
POLY 1.5	P=0.229N
POLY 6	P=0.223N
LOGISTIC REGRESSION	P=0.225N
COCH-ARM / FISHERS	P=0.234N
ORDER RESTRICTED	P=0.088N
MAX-ISO-POLY-3	P=0.101N

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Date Report Requested: 01/28/2008

Test Type: CHRONIC-LIFETIME

Aspartame

Time Report Requested: 17:57:48

Route: DOSED FEED

CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
 TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Females					
	100000 PPM	50000 PPM	10000 PPM	2000 PPM	400 PPM	80 PPM

Liver  
 Hepatocellular Carcinoma, Hepatocellular Adenoma, or Hepatoblastoma

TUMOR RATES

OVERALL (a)	0/100 (0%)	0/99 (0%)	0/99 (0%)	0/149 (0%)	1/149 (1%)	1/150 (1%)
POLY-3 RATE (b)	0/75.87	0/69.74	0/70.12	0/98.89	1/102.9	1/97.16
POLY-3 PERCENT (g)	0%	0%	0%	0%	1%	1%
TERMINAL (d)	0/45 (0%)	0/36 (0%)	0/30 (0%)	0/45 (0%)	0/45 (0%)	1/46 (2%)
FIRST INCIDENCE	---	---	---	---	613	730 (T)

STATISTICAL TESTS

LIFE TABLE	P=0.264N	P=0.299N	P=0.293N	P=0.238N	P=0.471N	P=0.479N
POLY 3	P=0.298N	P=0.319N	P=0.317N	P=0.240N	P=0.488N	P=0.508N
POLY 1.5	P=0.313N	P=0.325N	P=0.324N	P=0.242N	P=0.494N	P=0.505N
POLY 6	P=0.278N	P=0.308N	P=0.308N	P=0.235N	P=0.479N	P=0.507N
LOGISTIC REGRESSION	P=0.332N	P=0.332N	P=0.332N	P=0.241N	P=0.502N	P=0.504N
COCH-ARM / FISHERS	P=0.359N	P=0.362N	P=0.362N	P=0.251N	P=0.503N	P=0.500N
ORDER RESTRICTED	(e)	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	(e)



**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**

**Test Type:** CHRONIC-LIFETIME  
**Route:** DOSED FEED  
**Species/Strain:** RATS/SD

Aspartame  
**CAS Number:** 22839-47-0

**Date Report Requested:** 01/28/2008  
**Time Report Requested:** 17:57:48  
**First Dose M/F:** 06/27/97 / 06/27/97  
**Lab:** CRC

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
TERMINAL SACRIFICE AT 105 WEEKS**

---

**Females**

**DOSE**                      **0 PPM**

---

**Liver**  
**Hepatocellular Carcinoma, Hepatocellular Adenoma, or Hepatoblastoma**

---

**TUMOR RATES**

<b>OVERALL (a)</b>	2/150 (1%)
<b>POLY-3 RATE (b)</b>	2/99.43
<b>POLY-3 PERCENT (g)</b>	2%
<b>TERMINAL (d)</b>	0/40 (0%)
<b>FIRST INCIDENCE</b>	617

---

**STATISTICAL TESTS**

<b>LIFE TABLE</b>	P=0.196N
<b>POLY 3</b>	P=0.226N
<b>POLY 1.5</b>	P=0.229N
<b>POLY 6</b>	P=0.223N
<b>LOGISTIC REGRESSION</b>	P=0.225N
<b>COCH-ARM / FISHERS</b>	P=0.234N
<b>ORDER RESTRICTED</b>	P=0.088N
<b>MAX-ISO-POLY-3</b>	P=0.101N

---

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Date Report Requested: 01/28/2008

Test Type: CHRONIC-LIFETIME

Aspartame

Time Report Requested: 17:57:48

Route: DOSED FEED

CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
 TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Females					
	100000 PPM	50000 PPM	10000 PPM	2000 PPM	400 PPM	80 PPM

Liver  
 Leukemia Lymphocytic

TUMOR RATES

OVERALL (a)	0/100 (0%)	0/99 (0%)	0/99 (0%)	2/149 (1%)	0/149 (0%)	0/150 (0%)
POLY-3 RATE (b)	0/75.87	0/69.74	0/70.12	2/100.86	0/102.49	0/97.16
POLY-3 PERCENT (g)	0%	0%	0%	2%	0%	0%
TERMINAL (d)	0/45 (0%)	0/36 (0%)	0/30 (0%)	0/45 (0%)	0/45 (0%)	0/46 (0%)
FIRST INCIDENCE	---	---	---	100	---	---

STATISTICAL TESTS

LIFE TABLE	(e)	(e)	(e)	P=0.238	(e)	(e)
POLY 3	(e)	(e)	(e)	P=0.243	(e)	(e)
POLY 1.5	(e)	(e)	(e)	P=0.240	(e)	(e)
POLY 6	(e)	(e)	(e)	P=0.250	(e)	(e)
LOGISTIC REGRESSION	(e)	(e)	(e)	P=0.800	(e)	(e)
COCH-ARM / FISHERS	(e)	(e)	(e)	P=0.247	(e)	(e)
ORDER RESTRICTED	(e)	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	(e)

**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**

Aspartame

CAS Number: 22839-47-0

Date Report Requested: 01/28/2008

Time Report Requested: 17:57:48

First Dose M/F: 06/27/97 / 06/27/97

Lab: CRC

Test Type: CHRONIC-LIFETIME

Route: DOSED FEED

Species/Strain: RATS/SD

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
TERMINAL SACRIFICE AT 105 WEEKS**

---

**Females**

**DOSE**                      **0 PPM**

---

Liver  
Leukemia Lymphocytic

---

**TUMOR RATES**

OVERALL (a)	0/150 (0%)
POLY-3 RATE (b)	0/98.69
POLY-3 PERCENT (g)	0%
TERMINAL (d)	0/40 (0%)
FIRST INCIDENCE	---

---

**STATISTICAL TESTS**

LIFE TABLE	P=0.436N
POLY 3	P=0.430N
POLY 1.5	P=0.434N
POLY 6	P=0.424N
LOGISTIC REGRESSION	P=0.525N
COCH-ARM / FISHERS	P=0.436N
ORDER RESTRICTED	P=0.451
MAX-ISO-POLY-3	P=0.454

---

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Date Report Requested: 01/28/2008

Test Type: CHRONIC-LIFETIME

Aspartame

Time Report Requested: 17:57:48

Route: DOSED FEED

CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
 TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Females					
	100000 PPM	50000 PPM	10000 PPM	2000 PPM	400 PPM	80 PPM
<b>Liver</b>						
<b>Leukemia Monocytic</b>						
<b>TUMOR RATES</b>						
OVERALL (a)	2/100 (2%)	4/99 (4%)	2/99 (2%)	4/149 (3%)	5/149 (3%)	1/150 (1%)
POLY-3 RATE (b)	2/75.87	4/71.49	2/70.5	4/99.82	5/103.57	1/97.16
POLY-3 PERCENT (g)	2.6%	5.6%	2.8%	4%	4.8%	1%
TERMINAL (d)	2/45 (4%)	1/36 (3%)	1/30 (3%)	1/45 (2%)	1/45 (2%)	1/46 (2%)
FIRST INCIDENCE	730 (T)	503	621	540	509	730 (T)
<b>STATISTICAL TESTS</b>						
LIFE TABLE	P=0.265	P=0.033*	P=0.185	P=0.074	P=0.048*	P=0.528
POLY 3	P=0.180	P=0.029*	P=0.166	P=0.065	P=0.038*	P=0.497
POLY 1.5	P=0.168	P=0.026*	P=0.160	P=0.063	P=0.037*	P=0.498
POLY 6	P=0.198	P=0.033*	P=0.175	P=0.069	P=0.042*	P=0.499
LOGISTIC REGRESSION	P=0.265	P=0.022*	P=0.169	P=0.065	P=0.038*	P=0.528
COCH-ARM / FISHERS	P=0.159	P=0.024*	P=0.157	P=0.060	P=0.030*	P=0.500
ORDER RESTRICTED	(e)	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	(e)

**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**

Aspartame

CAS Number: 22839-47-0

Date Report Requested: 01/28/2008

Time Report Requested: 17:57:48

First Dose M/F: 06/27/97 / 06/27/97

Lab: CRC

Test Type: CHRONIC-LIFETIME

Route: DOSED FEED

Species/Strain: RATS/SD

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
TERMINAL SACRIFICE AT 105 WEEKS**

---

**Females**

**DOSE**                      **0 PPM**

---

**Liver**  
**Leukemia Monocytic**

---

**TUMOR RATES**

OVERALL (a)	0/150 (0%)
POLY-3 RATE (b)	0/98.69
POLY-3 PERCENT (g)	0%
TERMINAL (d)	0/40 (0%)
FIRST INCIDENCE	---

---

**STATISTICAL TESTS**

LIFE TABLE	P=0.459
POLY 3	P=0.380
POLY 1.5	P=0.339
POLY 6	P=0.439
LOGISTIC REGRESSION	P=0.335
COCH-ARM / FISHERS	P=0.287
ORDER RESTRICTED	P=0.100
MAX-ISO-POLY-3	P=0.112

---

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Date Report Requested: 01/28/2008

Test Type: CHRONIC-LIFETIME

Aspartame

Time Report Requested: 17:57:48

Route: DOSED FEED

CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
 TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Females					
	100000 PPM	50000 PPM	10000 PPM	2000 PPM	400 PPM	80 PPM

Liver  
 Lymphoma Malignant

TUMOR RATES

OVERALL (a)	0/100 (0%)	2/99 (2%)	0/99 (0%)	0/149 (0%)	1/149 (1%)	2/150 (1%)
POLY-3 RATE (b)	0/75.87	2/69.74	0/70.12	0/98.89	1/103.29	2/97.16
POLY-3 PERCENT (g)	0%	2.9%	0%	0%	1%	2.1%
TERMINAL (d)	0/45 (0%)	2/36 (6%)	0/30 (0%)	0/45 (0%)	0/45 (0%)	2/46 (4%)
FIRST INCIDENCE	---	730 (T)	---	---	430	730 (T)

STATISTICAL TESTS

LIFE TABLE	P=0.477N	P=0.463	P=0.557N	P=0.477N	P=0.746N	P=0.549
POLY 3	P=0.553N	P=0.380	P=0.569N	P=0.500N	P=0.751N	P=0.495
POLY 1.5	P=0.565N	P=0.370	P=0.575N	P=0.502N	P=0.755N	P=0.496
POLY 6	P=0.535N	P=0.396	P=0.560N	P=0.495N	P=0.743N	P=0.499
LOGISTIC REGRESSION	(e)	P=0.463	(e)	(e)	P=0.753	P=0.549
COCH-ARM / FISHERS	P=0.600N	P=0.348	P=0.602N	P=0.502N	P=0.749	P=0.500
ORDER RESTRICTED	(e)	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	(e)

**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**

Aspartame

CAS Number: 22839-47-0

Date Report Requested: 01/28/2008

Time Report Requested: 17:57:48

First Dose M/F: 06/27/97 / 06/27/97

Lab: CRC

Test Type: CHRONIC-LIFETIME

Route: DOSED FEED

Species/Strain: RATS/SD

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
TERMINAL SACRIFICE AT 105 WEEKS**

---

**Females**

**DOSE**                      **0 PPM**

---

Liver  
Lymphoma Malignant

---

**TUMOR RATES**

OVERALL (a)	1/150 (1%)
POLY-3 RATE (b)	1/98.69
POLY-3 PERCENT (g)	1%
TERMINAL (d)	1/40 (3%)
FIRST INCIDENCE	730 (T)

---

**STATISTICAL TESTS**

LIFE TABLE	P=0.455N
POLY 3	P=0.535N
POLY 1.5	P=0.554N
POLY 6	P=0.508N
LOGISTIC REGRESSION	P=0.530N
COCH-ARM / FISHERS	P=0.581N
ORDER RESTRICTED	P=0.295N
MAX-ISO-POLY-3	P=0.306N

---

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Date Report Requested: 01/28/2008

Test Type: CHRONIC-LIFETIME

Aspartame

Time Report Requested: 17:57:48

Route: DOSED FEED

CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
 TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Females					
	100000 PPM	50000 PPM	10000 PPM	2000 PPM	400 PPM	80 PPM

Lung  
 Adenoma

TUMOR RATES

OVERALL (a)	0/100 (0%)	2/99 (2%)	0/99 (0%)	0/149 (0%)	0/148 (0%)	0/150 (0%)
POLY-3 RATE (b)	0/75.87	2/70.73	0/70.12	0/98.89	0/101.49	0/97.16
POLY-3 PERCENT (g)	0%	2.8%	0%	0%	0%	0%
TERMINAL (d)	0/45 (0%)	0/36 (0%)	0/30 (0%)	0/45 (0%)	0/44 (0%)	0/46 (0%)
FIRST INCIDENCE	---	531	---	---	---	---

STATISTICAL TESTS

LIFE TABLE	(e)	P=0.167	(e)	(e)	(e)	(e)
POLY 3	(e)	P=0.166	(e)	(e)	(e)	(e)
POLY 1.5	(e)	P=0.160	(e)	(e)	(e)	(e)
POLY 6	(e)	P=0.177	(e)	(e)	(e)	(e)
LOGISTIC REGRESSION	(e)	P=0.144	(e)	(e)	(e)	(e)
COCH-ARM / FISHERS	(e)	P=0.157	(e)	(e)	(e)	(e)
ORDER RESTRICTED	(e)	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	(e)



**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**

Aspartame

CAS Number: 22839-47-0

Date Report Requested: 01/28/2008

Time Report Requested: 17:57:48

First Dose M/F: 06/27/97 / 06/27/97

Lab: CRC

Test Type: CHRONIC-LIFETIME

Route: DOSED FEED

Species/Strain: RATS/SD

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
TERMINAL SACRIFICE AT 105 WEEKS**

---

**Females**

**DOSE**                      **0 PPM**

---

**Lung  
Adenoma**

---

**TUMOR RATES**

OVERALL (a)	0/150 (0%)
POLY-3 RATE (b)	0/98.69
POLY-3 PERCENT (g)	0%
TERMINAL (d)	0/40 (0%)
FIRST INCIDENCE	---

---

**STATISTICAL TESTS**

LIFE TABLE	P=0.235
POLY 3	P=0.262
POLY 1.5	P=0.236
POLY 6	P=0.300
LOGISTIC REGRESSION	P=0.181
COCH-ARM / FISHERS	P=0.202
ORDER RESTRICTED	P=0.103
MAX-ISO-POLY-3	P=0.115

---

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Date Report Requested: 01/28/2008

Test Type: CHRONIC-LIFETIME

Aspartame

Time Report Requested: 17:57:48

Route: DOSED FEED

CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
 TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Females					
	100000 PPM	50000 PPM	10000 PPM	2000 PPM	400 PPM	80 PPM

Lung  
 Alveolar/Bronchiolar Adenoma

TUMOR RATES

OVERALL (a)	0/100 (0%)	0/99 (0%)	0/99 (0%)	2/149 (1%)	0/148 (0%)	0/150 (0%)
POLY-3 RATE (b)	0/75.87	0/69.74	0/70.12	2/99.48	0/101.49	0/97.16
POLY-3 PERCENT (g)	0%	0%	0%	2%	0%	0%
TERMINAL (d)	0/45 (0%)	0/36 (0%)	0/30 (0%)	1/45 (2%)	0/44 (0%)	0/46 (0%)
FIRST INCIDENCE	---	---	---	540	---	---

STATISTICAL TESTS

LIFE TABLE	(e)	(e)	(e)	P=0.253	(e)	(e)
POLY 3	(e)	(e)	(e)	P=0.240	(e)	(e)
POLY 1.5	(e)	(e)	(e)	P=0.237	(e)	(e)
POLY 6	(e)	(e)	(e)	P=0.246	(e)	(e)
LOGISTIC REGRESSION	(e)	(e)	(e)	P=0.237	(e)	(e)
COCH-ARM / FISHERS	(e)	(e)	(e)	P=0.247	(e)	(e)
ORDER RESTRICTED	(e)	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	(e)

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Date Report Requested: 01/28/2008

Test Type: CHRONIC-LIFETIME

Aspartame

Time Report Requested: 17:57:48

Route: DOSED FEED

CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)

TERMINAL SACRIFICE AT 105 WEEKS

Females

DOSE 0 PPM

Lung  
Alveolar/Bronchiolar Adenoma

TUMOR RATES

OVERALL (a)	0/150 (0%)
POLY-3 RATE (b)	0/98.69
POLY-3 PERCENT (g)	0%
TERMINAL (d)	0/40 (0%)
FIRST INCIDENCE	---

STATISTICAL TESTS

LIFE TABLE	P=0.393N
POLY 3	P=0.432N
POLY 1.5	P=0.436N
POLY 6	P=0.426N
LOGISTIC REGRESSION	P=0.431N
COCH-ARM / FISHERS	P=0.436N
ORDER RESTRICTED	P=0.449
MAX-ISO-POLY-3	P=0.453

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Date Report Requested: 01/28/2008

Test Type: CHRONIC-LIFETIME

Aspartame

Time Report Requested: 17:57:48

Route: DOSED FEED

CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
 TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Females					
	100000 PPM	50000 PPM	10000 PPM	2000 PPM	400 PPM	80 PPM
<b>Lung Fibroangioma</b>						
<b>TUMOR RATES</b>						
OVERALL (a)	0/100 (0%)	0/99 (0%)	0/99 (0%)	2/149 (1%)	0/148 (0%)	0/150 (0%)
POLY-3 RATE (b)	0/75.87	0/69.74	0/70.12	2/100.04	0/101.49	0/97.16
POLY-3 PERCENT (g)	0%	0%	0%	2%	0%	0%
TERMINAL (d)	0/45 (0%)	0/36 (0%)	0/30 (0%)	0/45 (0%)	0/44 (0%)	0/46 (0%)
FIRST INCIDENCE	---	---	---	529	---	---
<b>STATISTICAL TESTS</b>						
LIFE TABLE	(e)	(e)	(e)	P=0.239	(e)	(e)
POLY 3	(e)	(e)	(e)	P=0.241	(e)	(e)
POLY 1.5	(e)	(e)	(e)	P=0.238	(e)	(e)
POLY 6	(e)	(e)	(e)	P=0.249	(e)	(e)
LOGISTIC REGRESSION	(e)	(e)	(e)	P=0.246	(e)	(e)
COCH-ARM / FISHERS	(e)	(e)	(e)	P=0.247	(e)	(e)
ORDER RESTRICTED	(e)	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	(e)

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Date Report Requested: 01/28/2008

Test Type: CHRONIC-LIFETIME

Aspartame

Time Report Requested: 17:57:48

Route: DOSED FEED

CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
TERMINAL SACRIFICE AT 105 WEEKS

Females

DOSE 0 PPM

Lung  
Fibroangioma

TUMOR RATES

OVERALL (a)	0/150 (0%)
POLY-3 RATE (b)	0/98.69
POLY-3 PERCENT (g)	0%
TERMINAL (d)	0/40 (0%)
FIRST INCIDENCE	---

STATISTICAL TESTS

LIFE TABLE	P=0.421N
POLY 3	P=0.431N
POLY 1.5	P=0.435N
POLY 6	P=0.424N
LOGISTIC REGRESSION	P=0.463N
COCH-ARM / FISHERS	P=0.436N
ORDER RESTRICTED	P=0.450
MAX-ISO-POLY-3	P=0.454

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Date Report Requested: 01/28/2008

Test Type: CHRONIC-LIFETIME

Aspartame

Time Report Requested: 17:57:48

Route: DOSED FEED

CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
 TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Females					
	100000 PPM	50000 PPM	10000 PPM	2000 PPM	400 PPM	80 PPM

Lung  
 Leukemia Lymphoblastic

TUMOR RATES

OVERALL (a)	0/100 (0%)	0/99 (0%)	0/99 (0%)	2/149 (1%)	0/148 (0%)	0/150 (0%)
POLY-3 RATE (b)	0/75.87	0/69.74	0/70.12	2/100.86	0/101.49	0/97.16
POLY-3 PERCENT (g)	0%	0%	0%	2%	0%	0%
TERMINAL (d)	0/45 (0%)	0/36 (0%)	0/30 (0%)	0/45 (0%)	0/44 (0%)	0/46 (0%)
FIRST INCIDENCE	---	---	---	100	---	---

STATISTICAL TESTS

LIFE TABLE	(e)	(e)	(e)	P=0.238	(e)	(e)
POLY 3	(e)	(e)	(e)	P=0.243	(e)	(e)
POLY 1.5	(e)	(e)	(e)	P=0.240	(e)	(e)
POLY 6	(e)	(e)	(e)	P=0.250	(e)	(e)
LOGISTIC REGRESSION	(e)	(e)	(e)	P=0.800	(e)	(e)
COCH-ARM / FISHERS	(e)	(e)	(e)	P=0.247	(e)	(e)
ORDER RESTRICTED	(e)	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	(e)

**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**

Aspartame

CAS Number: 22839-47-0

Date Report Requested: 01/28/2008

Time Report Requested: 17:57:48

First Dose M/F: 06/27/97 / 06/27/97

Lab: CRC

Test Type: CHRONIC-LIFETIME

Route: DOSED FEED

Species/Strain: RATS/SD

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
TERMINAL SACRIFICE AT 105 WEEKS**

---

**Females**

**DOSE**                      **0 PPM**

---

**Lung**  
**Leukemia Lymphoblastic**

---

**TUMOR RATES**

OVERALL (a)	0/150 (0%)
POLY-3 RATE (b)	0/98.69
POLY-3 PERCENT (g)	0%
TERMINAL (d)	0/40 (0%)
FIRST INCIDENCE	---

---

**STATISTICAL TESTS**

LIFE TABLE	P=0.436N
POLY 3	P=0.429N
POLY 1.5	P=0.433N
POLY 6	P=0.423N
LOGISTIC REGRESSION	P=0.525N
COCH-ARM / FISHERS	P=0.436N
ORDER RESTRICTED	P=0.451
MAX-ISO-POLY-3	P=0.455

---

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Date Report Requested: 01/28/2008

Test Type: CHRONIC-LIFETIME

Aspartame

Time Report Requested: 17:57:48

Route: DOSED FEED

CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
 TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Females					
	100000 PPM	50000 PPM	10000 PPM	2000 PPM	400 PPM	80 PPM
<b>Lung</b>						
<b>Leukemia Monocytic</b>						
<b>TUMOR RATES</b>						
OVERALL (a)	1/100 (1%)	4/99 (4%)	1/99 (1%)	1/149 (1%)	5/148 (3%)	2/150 (1%)
POLY-3 RATE (b)	1/75.87	4/71.49	1/70.12	1/99.12	5/102.57	2/97.19
POLY-3 PERCENT (g)	1.3%	5.6%	1.4%	1%	4.9%	2.1%
TERMINAL (d)	1/45 (2%)	1/36 (3%)	1/30 (3%)	0/45 (0%)	1/44 (2%)	1/46 (2%)
FIRST INCIDENCE	730 (T)	503	730 (T)	669	509	723
<b>STATISTICAL TESTS</b>						
LIFE TABLE	P=0.523	P=0.033*	P=0.443	P=0.512	P=0.048*	P=0.271
POLY 3	P=0.447	P=0.029*	P=0.431	P=0.501	P=0.037*	P=0.235
POLY 1.5	P=0.435	P=0.026*	P=0.425	P=0.498	P=0.036*	P=0.236
POLY 6	P=0.465	P=0.033*	P=0.440	P=0.506	P=0.040*	P=0.237
LOGISTIC REGRESSION	P=0.523	P=0.022*	P=0.443	P=0.501	P=0.037*	P=0.259
COCH-ARM / FISHERS	P=0.400	P=0.024*	P=0.398	P=0.498	P=0.029*	P=0.249
ORDER RESTRICTED	(e)	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	(e)



**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**

Aspartame

CAS Number: 22839-47-0

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First Dose M/F: 06/27/97 / 06/27/97

Lab: CRC

Test Type: CHRONIC-LIFETIME

Route: DOSED FEED

Species/Strain: RATS/SD

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
TERMINAL SACRIFICE AT 105 WEEKS**

---

**Females**

**DOSE**                      **0 PPM**

---

**Lung  
Leukemia Monocytic**

---

**TUMOR RATES**

OVERALL (a)	0/150 (0%)
POLY-3 RATE (b)	0/98.69
POLY-3 PERCENT (g)	0%
TERMINAL (d)	0/40 (0%)
FIRST INCIDENCE	---

---

**STATISTICAL TESTS**

LIFE TABLE	P=0.543
POLY 3	P=0.487
POLY 1.5	P=0.446
POLY 6	P=0.544
LOGISTIC REGRESSION	P=0.439
COCH-ARM / FISHERS	P=0.390
ORDER RESTRICTED	P=0.122
MAX-ISO-POLY-3	P=0.136

---

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Date Report Requested: 01/28/2008

Test Type: CHRONIC-LIFETIME

Aspartame

Time Report Requested: 17:57:48

Route: DOSED FEED

CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
 TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Females					
	100000 PPM	50000 PPM	10000 PPM	2000 PPM	400 PPM	80 PPM
<b>Lung</b>						
<b>Leukemia Myeloid</b>						
<b>TUMOR RATES</b>						
OVERALL (a)	2/100 (2%)	0/99 (0%)	0/99 (0%)	1/149 (1%)	0/148 (0%)	0/150 (0%)
POLY-3 RATE (b)	2/76.77	0/69.74	0/70.12	1/98.89	0/101.49	0/97.16
POLY-3 PERCENT (g)	2.6%	0%	0%	1%	0%	0%
TERMINAL (d)	1/45 (2%)	0/36 (0%)	0/30 (0%)	0/45 (0%)	0/44 (0%)	0/46 (0%)
FIRST INCIDENCE	331	---	---	729	---	---
<b>STATISTICAL TESTS</b>						
LIFE TABLE	P=0.211	(e)	(e)	P=0.532	(e)	(e)
POLY 3	P=0.182	(e)	(e)	P=0.500	(e)	(e)
POLY 1.5	P=0.170	(e)	(e)	P=0.498	(e)	(e)
POLY 6	P=0.202	(e)	(e)	P=0.505	(e)	(e)
LOGISTIC REGRESSION	P=0.110	(e)	(e)	P=0.530	(e)	(e)
COCH-ARM / FISHERS	P=0.159	(e)	(e)	P=0.498	(e)	(e)
ORDER RESTRICTED	(e)	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	(e)

**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**

Aspartame

CAS Number: 22839-47-0

Date Report Requested: 01/28/2008

Time Report Requested: 17:57:48

First Dose M/F: 06/27/97 / 06/27/97

Lab: CRC

Test Type: CHRONIC-LIFETIME

Route: DOSED FEED

Species/Strain: RATS/SD

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
TERMINAL SACRIFICE AT 105 WEEKS**

---

**Females**

**DOSE**                      **0 PPM**

---

**Lung  
Leukemia Myeloid**

---

**TUMOR RATES**

OVERALL (a)	0/150 (0%)
POLY-3 RATE (b)	0/98.69
POLY-3 PERCENT (g)	0%
TERMINAL (d)	0/40 (0%)
FIRST INCIDENCE	---

---

**STATISTICAL TESTS**

LIFE TABLE	P=0.034*
POLY 3	P=0.018*
POLY 1.5	P=0.017*
POLY 6	P=0.020*
LOGISTIC REGRESSION	P=0.013*
COCH-ARM / FISHERS	P=0.015*
ORDER RESTRICTED	P=0.010**
MAX-ISO-POLY-3	P=0.013*

---

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Date Report Requested: 01/28/2008

Test Type: CHRONIC-LIFETIME

Aspartame

Time Report Requested: 17:57:48

Route: DOSED FEED

CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
 TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Females					
	100000 PPM	50000 PPM	10000 PPM	2000 PPM	400 PPM	80 PPM
<b>Lung</b>						
<b>Lymphoma Lympho-immunoblastic</b>						
<b>TUMOR RATES</b>						
OVERALL (a)	11/100 (11%)	6/99 (6%)	1/99 (1%)	6/149 (4%)	8/148 (5%)	6/150 (4%)
POLY-3 RATE (b)	11/78.58	6/71.25	1/70.27	6/101.59	8/104.11	6/99.01
POLY-3 PERCENT (g)	14%	8.4%	1.4%	5.9%	7.7%	6.1%
TERMINAL (d)	5/45 (11%)	2/36 (6%)	0/30 (0%)	1/45 (2%)	2/44 (5%)	3/46 (7%)
FIRST INCIDENCE	473	522	691	132	353	431
<b>STATISTICAL TESTS</b>						
LIFE TABLE	P=0.076	P=0.337	P=0.186N	P=0.520	P=0.334	P=0.525
POLY 3	P=0.030*	P=0.275	P=0.204N	P=0.508	P=0.306	P=0.491
POLY 1.5	P=0.022*	P=0.259	P=0.213N	P=0.498	P=0.294	P=0.493
POLY 6	P=0.047*	P=0.305	P=0.192N	P=0.527	P=0.326	P=0.497
LOGISTIC REGRESSION	P=0.018*	P=0.251	P=0.220N	P=0.506	P=0.277	P=0.497
COCH-ARM / FISHERS	P=0.016*	P=0.237	P=0.234N	P=0.495	P=0.278	P=0.500
ORDER RESTRICTED	(e)	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	(e)

**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**

Aspartame

CAS Number: 22839-47-0

Date Report Requested: 01/28/2008

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First Dose M/F: 06/27/97 / 06/27/97

Lab: CRC

Test Type: CHRONIC-LIFETIME

Route: DOSED FEED

Species/Strain: RATS/SD

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
TERMINAL SACRIFICE AT 105 WEEKS**

---

**Females**

**DOSE**                      **0 PPM**

---

**Lung**  
**Lymphoma Lympho-immunoblastic**

---

**TUMOR RATES**

OVERALL (a)	5/150 (3%)
POLY-3 RATE (b)	5/100.39
POLY-3 PERCENT (g)	5%
TERMINAL (d)	1/40 (3%)
FIRST INCIDENCE	485

---

**STATISTICAL TESTS**

LIFE TABLE	P=0.016*
POLY 3	P=0.004**
POLY 1.5	P=0.002**
POLY 6	P=0.006**
LOGISTIC REGRESSION	P=0.002**
COCH-ARM / FISHERS	P=0.002**
ORDER RESTRICTED	P=0.013*
MAX-ISO-POLY-3	P=0.007**

---

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

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Test Type: CHRONIC-LIFETIME

Aspartame

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Route: DOSED FEED

CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
 TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Females					
	100000 PPM	50000 PPM	10000 PPM	2000 PPM	400 PPM	80 PPM
<b>Lung</b>						
<b>Lymphoma Lymphoblastic</b>						
<b>TUMOR RATES</b>						
OVERALL (a)	0/100 (0%)	0/99 (0%)	1/99 (1%)	1/149 (1%)	2/148 (1%)	0/150 (0%)
POLY-3 RATE (b)	0/75.87	0/69.74	1/70.12	1/98.89	2/102.35	0/97.16
POLY-3 PERCENT (g)	0%	0%	1.4%	1%	2%	0%
TERMINAL (d)	0/45 (0%)	0/36 (0%)	1/30 (3%)	1/45 (2%)	0/44 (0%)	0/46 (0%)
FIRST INCIDENCE	---	---	730 (T)	730 (T)	526	---
<b>STATISTICAL TESTS</b>						
LIFE TABLE	P=0.477N	P=0.521N	P=0.696	P=0.735N	P=0.514	P=0.472N
POLY 3	P=0.553N	P=0.570N	P=0.684	P=0.760N	P=0.513	P=0.503N
POLY 1.5	P=0.565N	P=0.576N	P=0.676	P=0.758	P=0.505	P=0.502N
POLY 6	P=0.535N	P=0.560N	P=0.695	P=0.755N	P=0.525	P=0.501N
LOGISTIC REGRESSION	(e)	(e)	P=0.696	P=0.735N	P=0.501	(e)
COCH-ARM / FISHERS	P=0.600N	P=0.602N	P=0.638	P=0.749	P=0.495	P=0.500N
ORDER RESTRICTED	(e)	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	(e)

**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**

Aspartame

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Lab: CRC

Test Type: CHRONIC-LIFETIME

Route: DOSED FEED

Species/Strain: RATS/SD

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
TERMINAL SACRIFICE AT 105 WEEKS**

---

**Females**

**DOSE**                      **0 PPM**

---

**Lung  
Lymphoma Lymphoblastic**

---

**TUMOR RATES**

OVERALL (a)	1/150 (1%)
POLY-3 RATE (b)	1/98.69
POLY-3 PERCENT (g)	1%
TERMINAL (d)	1/40 (3%)
FIRST INCIDENCE	730 (T)

---

**STATISTICAL TESTS**

LIFE TABLE	P=0.182N
POLY 3	P=0.209N
POLY 1.5	P=0.219N
POLY 6	P=0.197N
LOGISTIC REGRESSION	P=0.209N
COCH-ARM / FISHERS	P=0.233N
ORDER RESTRICTED	P=0.422N
MAX-ISO-POLY-3	P=0.406N

---

**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**

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CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females					
	100000 PPM	50000 PPM	10000 PPM	2000 PPM	400 PPM	80 PPM
<b>Lymph Node Fibroangioma</b>						
<b>TUMOR RATES</b>	#	#	#	#	#	#
OVERALL (a)	0/100 (0%)	0/100 (0%)	0/100 (0%)	0/150 (0%)	0/150 (0%)	1/150 (1%)
POLY-3 RATE (b)	0/75.87	0/70.59	0/70.68	0/98.95	0/102.84	1/97.5
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	1%
TERMINAL (d)	0/45 (0%)	0/36 (0%)	0/30 (0%)	0/45 (0%)	0/45 (0%)	0/46 (0%)
FIRST INCIDENCE	---	---	---	---	---	636
<b>STATISTICAL TESTS</b>						
LIFE TABLE	(e)	(e)	(e)	(e)	(e)	P=0.511
POLY 3	(e)	(e)	(e)	(e)	(e)	P=0.498
POLY 1.5	(e)	(e)	(e)	(e)	(e)	P=0.498
POLY 6	(e)	(e)	(e)	(e)	(e)	P=0.501
LOGISTIC REGRESSION	(e)	(e)	(e)	(e)	(e)	P=0.498
COCH-ARM / FISHERS	(e)	(e)	(e)	(e)	(e)	P=0.500
ORDER RESTRICTED	(e)	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	(e)



**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**

Aspartame

CAS Number: 22839-47-0

Date Report Requested: 01/28/2008

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First Dose M/F: 06/27/97 / 06/27/97

Lab: CRC

Test Type: CHRONIC-LIFETIME

Route: DOSED FEED

Species/Strain: RATS/SD

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
TERMINAL SACRIFICE AT 105 WEEKS**

---

**Females**

**DOSE**                      **0 PPM**

---

**Lymph Node  
Fibroangioma**

---

<b>TUMOR RATES</b>	#
OVERALL (a)	0/150 (0%)
POLY-3 RATE (b)	0/98.69
POLY-3 PERCENT (g)	0%
TERMINAL (d)	0/40 (0%)
FIRST INCIDENCE	---

---

**STATISTICAL TESTS**

LIFE TABLE	P=0.542N
POLY 3	P=0.599N
POLY 1.5	P=0.593N
POLY 6	P=0.606N
LOGISTIC REGRESSION	P=0.579N
COCH-ARM / FISHERS	P=0.583N
ORDER RESTRICTED	P=0.394N
MAX-ISO-POLY-3	P=0.399N

---

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

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First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
 TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Females					
	100000 PPM	50000 PPM	10000 PPM	2000 PPM	400 PPM	80 PPM

Lymph Node  
 Leukemia Lymphoblastic

TUMOR RATES	#	#	#	#	#	#
OVERALL (a)	0/100 (0%)	0/100 (0%)	0/100 (0%)	2/150 (1%)	0/150 (0%)	0/150 (0%)
POLY-3 RATE (b)	0/75.87	0/70.59	0/70.68	2/100.93	0/102.84	0/97.16
POLY-3 PERCENT (g)	0%	0%	0%	2%	0%	0%
TERMINAL (d)	0/45 (0%)	0/36 (0%)	0/30 (0%)	0/45 (0%)	0/45 (0%)	0/46 (0%)
FIRST INCIDENCE	---	---	---	100	---	---

STATISTICAL TESTS

LIFE TABLE	(e)	(e)	(e)	P=0.238	(e)	(e)
POLY 3	(e)	(e)	(e)	P=0.243	(e)	(e)
POLY 1.5	(e)	(e)	(e)	P=0.240	(e)	(e)
POLY 6	(e)	(e)	(e)	P=0.250	(e)	(e)
LOGISTIC REGRESSION	(e)	(e)	(e)	P=0.806	(e)	(e)
COCH-ARM / FISHERS	(e)	(e)	(e)	P=0.249	(e)	(e)
ORDER RESTRICTED	(e)	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	(e)

**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**

Aspartame

CAS Number: 22839-47-0

Date Report Requested: 01/28/2008

Time Report Requested: 17:57:48

First Dose M/F: 06/27/97 / 06/27/97

Lab: CRC

Test Type: CHRONIC-LIFETIME

Route: DOSED FEED

Species/Strain: RATS/SD

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
TERMINAL SACRIFICE AT 105 WEEKS**

---

**Females**

**DOSE**                      **0 PPM**

---

**Lymph Node  
Leukemia Lymphoblastic**

---

<b>TUMOR RATES</b>	#
OVERALL (a)	0/150 (0%)
POLY-3 RATE (b)	0/98.69
POLY-3 PERCENT (g)	0%
TERMINAL (d)	0/40 (0%)
FIRST INCIDENCE	---

---

**STATISTICAL TESTS**

LIFE TABLE	P=0.436N
POLY 3	P=0.431N
POLY 1.5	P=0.434N
POLY 6	P=0.425N
LOGISTIC REGRESSION	P=0.525N
COCH-ARM / FISHERS	P=0.437N
ORDER RESTRICTED	P=0.453
MAX-ISO-POLY-3	P=0.456

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P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Date Report Requested: 01/28/2008

Test Type: CHRONIC-LIFETIME

Aspartame

Time Report Requested: 17:57:48

Route: DOSED FEED

CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
 TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Females					
	100000 PPM	50000 PPM	10000 PPM	2000 PPM	400 PPM	80 PPM

Lymph Node  
 Leukemia Monocytic

TUMOR RATES	#	#	#	#	#	#
OVERALL (a)	2/100 (2%)	3/100 (3%)	2/100 (2%)	4/150 (3%)	5/150 (3%)	2/150 (1%)
POLY-3 RATE (b)	2/75.87	3/72.35	2/71.07	4/99.88	5/103.92	2/97.19
POLY-3 PERCENT (g)	2.6%	4.2%	2.8%	4%	4.8%	2.1%
TERMINAL (d)	2/45 (4%)	0/36 (0%)	1/30 (3%)	1/45 (2%)	1/45 (2%)	1/46 (2%)
FIRST INCIDENCE	730 (T)	503	621	540	509	723

STATISTICAL TESTS

LIFE TABLE	P=0.265	P=0.064	P=0.185	P=0.074	P=0.048*	P=0.271
POLY 3	P=0.180	P=0.071	P=0.167	P=0.065	P=0.039*	P=0.235
POLY 1.5	P=0.168	P=0.066	P=0.162	P=0.064	P=0.037*	P=0.236
POLY 6	P=0.198	P=0.079	P=0.176	P=0.069	P=0.042*	P=0.237
LOGISTIC REGRESSION	P=0.265	P=0.052	P=0.171	P=0.066	P=0.039*	P=0.259
COCH-ARM / FISHERS	P=0.159	P=0.063	P=0.159	P=0.061	P=0.030*	P=0.249
ORDER RESTRICTED	(e)	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	(e)

**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**

Aspartame

CAS Number: 22839-47-0

Date Report Requested: 01/28/2008

Time Report Requested: 17:57:48

First Dose M/F: 06/27/97 / 06/27/97

Lab: CRC

Test Type: CHRONIC-LIFETIME

Route: DOSED FEED

Species/Strain: RATS/SD

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)**

**TERMINAL SACRIFICE AT 105 WEEKS**

---

**Females**

**DOSE**                      **0 PPM**

---

**Lymph Node  
Leukemia Monocytic**

---

<b>TUMOR RATES</b>	#
OVERALL (a)	0/150 (0%)
POLY-3 RATE (b)	0/98.69
POLY-3 PERCENT (g)	0%
TERMINAL (d)	0/40 (0%)
FIRST INCIDENCE	---

---

**STATISTICAL TESTS**

LIFE TABLE	P=0.544N
POLY 3	P=0.515
POLY 1.5	P=0.474
POLY 6	P=0.571
LOGISTIC REGRESSION	P=0.472
COCH-ARM / FISHERS	P=0.420
ORDER RESTRICTED	P=0.128
MAX-ISO-POLY-3	P=0.141

---

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Date Report Requested: 01/28/2008

Test Type: CHRONIC-LIFETIME

Aspartame

Time Report Requested: 17:57:48

Route: DOSED FEED

CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
 TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Females					
	100000 PPM	50000 PPM	10000 PPM	2000 PPM	400 PPM	80 PPM

Lymph Node  
 Leukemia Myeloid

TUMOR RATES	#	#	#	#	#	#
OVERALL (a)	2/100 (2%)	0/100 (0%)	0/100 (0%)	1/150 (1%)	0/150 (0%)	0/150 (0%)
POLY-3 RATE (b)	2/76.77	0/70.59	0/70.68	1/98.96	0/102.84	0/97.16
POLY-3 PERCENT (g)	2.6%	0%	0%	1%	0%	0%
TERMINAL (d)	1/45 (2%)	0/36 (0%)	0/30 (0%)	0/45 (0%)	0/45 (0%)	0/46 (0%)
FIRST INCIDENCE	331	---	---	729	---	---

STATISTICAL TESTS

LIFE TABLE	P=0.211	(e)	(e)	P=0.532	(e)	(e)
POLY 3	P=0.182	(e)	(e)	P=0.501	(e)	(e)
POLY 1.5	P=0.170	(e)	(e)	P=0.498	(e)	(e)
POLY 6	P=0.202	(e)	(e)	P=0.505	(e)	(e)
LOGISTIC REGRESSION	P=0.110	(e)	(e)	P=0.530	(e)	(e)
COCH-ARM / FISHERS	P=0.159	(e)	(e)	P=0.500	(e)	(e)
ORDER RESTRICTED	(e)	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	(e)

**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**

Aspartame

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Test Type: CHRONIC-LIFETIME

Route: DOSED FEED

Species/Strain: RATS/SD

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
TERMINAL SACRIFICE AT 105 WEEKS**

---

**Females**

**DOSE**                      **0 PPM**

---

**Lymph Node  
Leukemia Myeloid**

---

<b>TUMOR RATES</b>	#
OVERALL (a)	0/150 (0%)
POLY-3 RATE (b)	0/98.69
POLY-3 PERCENT (g)	0%
TERMINAL (d)	0/40 (0%)
FIRST INCIDENCE	---

---

**STATISTICAL TESTS**

LIFE TABLE	P=0.034*
POLY 3	P=0.018*
POLY 1.5	P=0.016*
POLY 6	P=0.019*
LOGISTIC REGRESSION	P=0.012*
COCH-ARM / FISHERS	P=0.015*
ORDER RESTRICTED	P=0.010**
MAX-ISO-POLY-3	P=0.013*

---

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Date Report Requested: 01/28/2008

Test Type: CHRONIC-LIFETIME

Aspartame

Time Report Requested: 17:57:48

Route: DOSED FEED

CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
 TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Females					
	100000 PPM	50000 PPM	10000 PPM	2000 PPM	400 PPM	80 PPM

Lymph Node  
 Lymphoma Lympho-immunoblastic

TUMOR RATES	#	#	#	#	#	#
OVERALL (a)	1/100 (1%)	5/100 (5%)	2/100 (2%)	4/150 (3%)	3/150 (2%)	0/150 (0%)
POLY-3 RATE (b)	1/76.59	5/71.66	2/70.97	4/100.6	3/103.8	0/97.16
POLY-3 PERCENT (g)	1.3%	7%	2.8%	4%	2.9%	0%
TERMINAL (d)	0/45 (0%)	2/36 (6%)	1/30 (3%)	0/45 (0%)	1/45 (2%)	0/46 (0%)
FIRST INCIDENCE	473	515	652	132	527	---

STATISTICAL TESTS

LIFE TABLE	P=0.371N	P=0.249	P=0.622N	P=0.516	P=0.625N	P=0.119N
POLY 3	P=0.404N	P=0.196	P=0.652N	P=0.504	P=0.643N	P=0.126N
POLY 1.5	P=0.428N	P=0.184	P=0.662N	P=0.498	P=0.650N	P=0.125N
POLY 6	P=0.370N	P=0.216	P=0.636N	P=0.518	P=0.630N	P=0.125N
LOGISTIC REGRESSION	P=0.510N	P=0.182	P=0.665N	P=0.516	P=0.660N	P=0.123N
COCH-ARM / FISHERS	P=0.475N	P=0.170	P=0.665	P=0.500	P=0.658N	P=0.124N
ORDER RESTRICTED	(e)	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	(e)



**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**

Aspartame

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First Dose M/F: 06/27/97 / 06/27/97

Lab: CRC

Test Type: CHRONIC-LIFETIME

Route: DOSED FEED

Species/Strain: RATS/SD

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
TERMINAL SACRIFICE AT 105 WEEKS**

---

**Females**

**DOSE**                      **0 PPM**

---

**Lymph Node**  
**Lymphoma Lympho-immunoblastic**

---

<b>TUMOR RATES</b>	<b>#</b>
OVERALL (a)	3/150 (2%)
POLY-3 RATE (b)	3/99.79
POLY-3 PERCENT (g)	3%
TERMINAL (d)	1/40 (3%)
FIRST INCIDENCE	485

---

**STATISTICAL TESTS**

LIFE TABLE	P=0.559N
POLY 3	P=0.538
POLY 1.5	P=0.489
POLY 6	P=0.561N
LOGISTIC REGRESSION	P=0.411
COCH-ARM / FISHERS	P=0.423
ORDER RESTRICTED	P=0.309
MAX-ISO-POLY-3	P=0.318

---

**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**

**Date Report Requested:** 01/28/2008

**Test Type:** CHRONIC-LIFETIME

Aspartame

**Time Report Requested:** 17:57:48

**Route:** DOSED FEED

**CAS Number:** 22839-47-0

**First Dose M/F:** 06/27/97 / 06/27/97

**Species/Strain:** RATS/SD

**Lab:** CRC

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females					
	100000 PPM	50000 PPM	10000 PPM	2000 PPM	400 PPM	80 PPM
<b>Lymph Node</b>						
<b>Lymphoma Lymphoblastic</b>						
<b>TUMOR RATES</b>	#	#	#	#	#	#
OVERALL (a)	1/100 (1%)	2/100 (2%)	2/100 (2%)	4/150 (3%)	7/150 (5%)	3/150 (2%)
POLY-3 RATE (b)	1/75.87	2/70.59	2/70.87	4/99.07	7/105.18	3/97.49
POLY-3 PERCENT (g)	1.3%	2.8%	2.8%	4%	6.7%	3.1%
TERMINAL (d)	1/45 (2%)	2/36 (6%)	1/30 (3%)	3/45 (7%)	3/45 (7%)	2/46 (4%)
FIRST INCIDENCE	730 (T)	730 (T)	680	700	430	638
<b>STATISTICAL TESTS</b>						
LIFE TABLE	P=0.468N	P=0.653	P=0.598	P=0.383	P=0.109	P=0.547
POLY 3	P=0.592N	P=0.568	P=0.570	P=0.340	P=0.101	P=0.494
POLY 1.5	P=0.613N	P=0.556	P=0.558	P=0.336	P=0.095	P=0.495
POLY 6	P=0.561N	P=0.587	P=0.588	P=0.351	P=0.112	P=0.500
LOGISTIC REGRESSION	P=0.503N	P=0.639	P=0.604	P=0.380	P=0.091	P=0.511
COCH-ARM / FISHERS	P=0.649N	P=0.525	P=0.525	P=0.342	P=0.087	P=0.500
ORDER RESTRICTED	(e)	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	(e)

**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**

Aspartame

CAS Number: 22839-47-0

Date Report Requested: 01/28/2008

Time Report Requested: 17:57:48

First Dose M/F: 06/27/97 / 06/27/97

Lab: CRC

Test Type: CHRONIC-LIFETIME

Route: DOSED FEED

Species/Strain: RATS/SD

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
TERMINAL SACRIFICE AT 105 WEEKS**

---

**Females**

**DOSE**                      **0 PPM**

---

**Lymph Node  
Lymphoma Lymphoblastic**

---

<b>TUMOR RATES</b>	#
OVERALL (a)	2/150 (1%)
POLY-3 RATE (b)	2/98.8
POLY-3 PERCENT (g)	2%
TERMINAL (d)	1/40 (3%)
FIRST INCIDENCE	704

---

**STATISTICAL TESTS**

LIFE TABLE	P=0.094N
POLY 3	P=0.145N
POLY 1.5	P=0.166N
POLY 6	P=0.119N
LOGISTIC REGRESSION	P=0.143N
COCH-ARM / FISHERS	P=0.198N
ORDER RESTRICTED	P=0.321N
MAX-ISO-POLY-3	P=0.283N

---

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Date Report Requested: 01/28/2008

Test Type: CHRONIC-LIFETIME

Aspartame

Time Report Requested: 17:57:48

Route: DOSED FEED

CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
 TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Females					
	100000 PPM	50000 PPM	10000 PPM	2000 PPM	400 PPM	80 PPM
<b>Lymph Node</b>						
<b>Lymphoma Lymphocytic</b>						
<b>TUMOR RATES</b>	#	#	#	#	#	#
OVERALL (a)	0/100 (0%)	0/100 (0%)	2/100 (2%)	1/150 (1%)	2/150 (1%)	4/150 (3%)
POLY-3 RATE (b)	0/75.87	0/70.59	2/70.68	1/98.95	2/103.36	4/97.72
POLY-3 PERCENT (g)	0%	0%	2.8%	1%	1.9%	4.1%
TERMINAL (d)	0/45 (0%)	0/36 (0%)	2/30 (7%)	1/45 (2%)	1/45 (2%)	1/46 (2%)
FIRST INCIDENCE	---	---	730 (T)	730 (T)	572	657
<b>STATISTICAL TESTS</b>						
LIFE TABLE	P=0.241N	P=0.277N	P=0.601	P=0.473N	P=0.656N	P=0.372
POLY 3	P=0.298N	P=0.315N	P=0.567	P=0.501N	P=0.678N	P=0.332
POLY 1.5	P=0.312N	P=0.322N	P=0.557	P=0.504N	P=0.684N	P=0.335
POLY 6	P=0.277N	P=0.304N	P=0.582	P=0.494N	P=0.669N	P=0.338
LOGISTIC REGRESSION	P=0.301N	P=0.315N	P=0.592	P=0.491N	P=0.681N	P=0.337
COCH-ARM / FISHERS	P=0.359N	P=0.359N	P=0.525	P=0.500N	P=0.689N	P=0.342
ORDER RESTRICTED	(e)	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	(e)

**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**

Aspartame

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Date Report Requested: 01/28/2008

Time Report Requested: 17:57:48

First Dose M/F: 06/27/97 / 06/27/97

Lab: CRC

Test Type: CHRONIC-LIFETIME

Route: DOSED FEED

Species/Strain: RATS/SD

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)**

**TERMINAL SACRIFICE AT 105 WEEKS**

---

**Females**

**DOSE**                      **0 PPM**

---

**Lymph Node**  
**Lymphoma Lymphocytic**

---

<b>TUMOR RATES</b>	<b>#</b>
OVERALL (a)	2/150 (1%)
POLY-3 RATE (b)	2/99.15
POLY-3 PERCENT (g)	2%
TERMINAL (d)	0/40 (0%)
FIRST INCIDENCE	631

---

**STATISTICAL TESTS**

LIFE TABLE	P=0.048N*
POLY 3	P=0.065N
POLY 1.5	P=0.070N
POLY 6	P=0.057N
LOGISTIC REGRESSION	P=0.060N
COCH-ARM / FISHERS	P=0.079N
ORDER RESTRICTED	P=0.118N
MAX-ISO-POLY-3	P=0.125N

---

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

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Aspartame

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Route: DOSED FEED

CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
 TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Females					
	100000 PPM	50000 PPM	10000 PPM	2000 PPM	400 PPM	80 PPM
<b>Mammary Gland Adenoma</b>						
<b>TUMOR RATES</b>	#	#	#	#	#	#
OVERALL (a)	0/100 (0%)	2/100 (2%)	0/100 (0%)	0/150 (0%)	2/150 (1%)	0/150 (0%)
POLY-3 RATE (b)	0/75.87	2/72.26	0/70.68	0/98.95	2/102.95	0/97.16
POLY-3 PERCENT (g)	0%	2.8%	0%	0%	1.9%	0%
TERMINAL (d)	0/45 (0%)	0/36 (0%)	0/30 (0%)	0/45 (0%)	0/45 (0%)	0/46 (0%)
FIRST INCIDENCE	---	117	---	---	703	---
<b>STATISTICAL TESTS</b>						
LIFE TABLE	P=0.527N	P=0.384	P=0.550N	P=0.500N	P=0.542	P=0.510N
POLY 3	P=0.553N	P=0.391	P=0.567N	P=0.500N	P=0.514	P=0.504N
POLY 1.5	P=0.565N	P=0.379	P=0.573N	P=0.502N	P=0.508	P=0.503N
POLY 6	P=0.536N	P=0.409	P=0.560N	P=0.496N	P=0.523	P=0.502N
LOGISTIC REGRESSION	P=0.553N	P=0.326	P=0.565N	P=0.498N	P=0.531	P=0.502N
COCH-ARM / FISHERS	P=0.600N	P=0.351	P=0.600N	P=0.500N	P=0.500	P=0.500N
ORDER RESTRICTED	(e)	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	(e)

**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**

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Test Type: CHRONIC-LIFETIME

Route: DOSED FEED

Species/Strain: RATS/SD

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
TERMINAL SACRIFICE AT 105 WEEKS**

---

**Females**

**DOSE**                      **0 PPM**

---

**Mammary Gland  
Adenoma**

---

<b>TUMOR RATES</b>	#
OVERALL (a)	1/150 (1%)
POLY-3 RATE (b)	1/98.9
POLY-3 PERCENT (g)	1%
TERMINAL (d)	0/40 (0%)
FIRST INCIDENCE	675

---

**STATISTICAL TESTS**

LIFE TABLE	P=0.610N
POLY 3	P=0.633N
POLY 1.5	P=0.623
POLY 6	P=0.605N
LOGISTIC REGRESSION	P=0.536
COCH-ARM / FISHERS	P=0.582
ORDER RESTRICTED	P=0.445N
MAX-ISO-POLY-3	P=0.448N

---

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Date Report Requested: 01/28/2008

Test Type: CHRONIC-LIFETIME

Aspartame

Time Report Requested: 17:57:48

Route: DOSED FEED

CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
 TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Females					
	100000 PPM	50000 PPM	10000 PPM	2000 PPM	400 PPM	80 PPM
<b>Mammary Gland Carcinoma</b>						
<b>TUMOR RATES</b>	#	#	#	#	#	#
OVERALL (a)	7/100 (7%)	18/100 (18%)	7/100 (7%)	12/150 (8%)	16/150 (11%)	16/150 (11%)
POLY-3 RATE (b)	7/77.03	18/72.21	7/72.46	12/100.41	16/107.93	16/102.09
POLY-3 PERCENT (g)	9.1%	24.9%	9.7%	12%	14.8%	15.7%
TERMINAL (d)	4/45 (9%)	10/36 (28%)	3/30 (10%)	6/45 (13%)	4/45 (9%)	8/46 (17%)
FIRST INCIDENCE	397	639	508	580	353	438
<b>STATISTICAL TESTS</b>						
LIFE TABLE	P=0.503N	P=0.012*	P=0.489	P=0.311	P=0.110	P=0.092
POLY 3	P=0.506	P=0.002**	P=0.456	P=0.241	P=0.091	P=0.068
POLY 1.5	P=0.457	P<0.001**	P=0.430	P=0.235	P=0.080	P=0.067
POLY 6	P=0.576	P=0.002**	P=0.495	P=0.257	P=0.109	P=0.074
LOGISTIC REGRESSION	P=0.512	P=0.003**	P=0.447	P=0.260	P=0.074	P=0.064
COCH-ARM / FISHERS	P=0.388	P<0.001**	P=0.388	P=0.244	P=0.067	P=0.067
ORDER RESTRICTED	(e)	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	(e)



**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**

Aspartame

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Lab: CRC

Test Type: CHRONIC-LIFETIME

Route: DOSED FEED

Species/Strain: RATS/SD

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
TERMINAL SACRIFICE AT 105 WEEKS**

---

**Females**

**DOSE**                      **0 PPM**

---

**Mammary Gland  
Carcinoma**

---

<b>TUMOR RATES</b>	#
OVERALL (a)	8/150 (5%)
POLY-3 RATE (b)	8/100
POLY-3 PERCENT (g)	8%
TERMINAL (d)	3/40 (8%)
FIRST INCIDENCE	536

---

**STATISTICAL TESTS**

LIFE TABLE	P=0.361N
POLY 3	P=0.477
POLY 1.5	P=0.401
POLY 6	P=0.500N
LOGISTIC REGRESSION	P=0.427
COCH-ARM / FISHERS	P=0.301
ORDER RESTRICTED	P=0.075
MAX-ISO-POLY-3	P=0.085

---

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Date Report Requested: 01/28/2008

Test Type: CHRONIC-LIFETIME

Aspartame

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CAS Number: 22839-47-0

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Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
 TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Females					
	100000 PPM	50000 PPM	10000 PPM	2000 PPM	400 PPM	80 PPM

Mammary Gland  
 Carcinoma or Adenoma

TUMOR RATES	#	#	#	#	#	#
OVERALL (a)	7/100 (7%)	20/100 (20%)	7/100 (7%)	12/150 (8%)	18/150 (12%)	16/150 (11%)
POLY-3 RATE (b)	7/77.03	20/73.88	7/72.46	12/100.41	18/108.05	16/102.09
POLY-3 PERCENT (g)	9.1%	27.1%	9.7%	12%	16.7%	15.7%
TERMINAL (d)	4/45 (9%)	10/36 (28%)	3/30 (10%)	6/45 (13%)	4/45 (9%)	8/46 (17%)
FIRST INCIDENCE	397	117	508	580	353	438

STATISTICAL TESTS

LIFE TABLE	P=0.409N	P=0.008**	P=0.579	P=0.399	P=0.095	P=0.135
POLY 3	P=0.596	P<0.001**	P=0.546	P=0.323	P=0.072	P=0.106
POLY 1.5	P=0.546	P<0.001**	P=0.518	P=0.316	P=0.063	P=0.104
POLY 6	P=0.547N	P=0.002**	P=0.585	P=0.340	P=0.088	P=0.114
LOGISTIC REGRESSION	P=0.603	P<0.001**	P=0.537	P=0.345	P=0.060	P=0.100
COCH-ARM / FISHERS	P=0.473	P<0.001**	P=0.473	P=0.326	P=0.053	P=0.105
ORDER RESTRICTED	(e)	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	(e)

**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**

Aspartame

CAS Number: 22839-47-0

Date Report Requested: 01/28/2008

Time Report Requested: 17:57:48

First Dose M/F: 06/27/97 / 06/27/97

Lab: CRC

Test Type: CHRONIC-LIFETIME

Route: DOSED FEED

Species/Strain: RATS/SD

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
TERMINAL SACRIFICE AT 105 WEEKS**

---

**Females**

**DOSE**                      **0 PPM**

---

**Mammary Gland  
Carcinoma or Adenoma**

---

<b>TUMOR RATES</b>	#
OVERALL (a)	9/150 (6%)
POLY-3 RATE (b)	9/100.21
POLY-3 PERCENT (g)	9%
TERMINAL (d)	3/40 (8%)
FIRST INCIDENCE	536

---

**STATISTICAL TESTS**

LIFE TABLE	P=0.361N
POLY 3	P=0.477
POLY 1.5	P=0.398
POLY 6	P=0.492N
LOGISTIC REGRESSION	P=0.400
COCH-ARM / FISHERS	P=0.294
ORDER RESTRICTED	P=0.076
MAX-ISO-POLY-3	P=0.086

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P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Date Report Requested: 01/28/2008

Test Type: CHRONIC-LIFETIME

Aspartame

Time Report Requested: 17:57:48

Route: DOSED FEED

CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
 TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Females					
	100000 PPM	50000 PPM	10000 PPM	2000 PPM	400 PPM	80 PPM
<b>Mammary Gland Fibroadenoma</b>						
<b>TUMOR RATES</b>	#	#	#	#	#	#
OVERALL (a)	58/100 (58%)	54/100 (54%)	55/100 (55%)	65/150 (43%)	88/150 (59%)	66/150 (44%)
POLY-3 RATE (b)	58/85.26	54/83.44	55/81.75	65/111.94	88/124.74	66/114.19
POLY-3 PERCENT (g)	68%	64.7%	67.3%	58.1%	70.6%	57.8%
TERMINAL (d)	32/45 (71%)	23/36 (64%)	22/30 (73%)	28/45 (62%)	34/45 (76%)	26/46 (57%)
FIRST INCIDENCE	397	400	438	479	335	430
<b>STATISTICAL TESTS</b>						
LIFE TABLE	P=0.004N**	P=0.045N*	P=0.117N	P=0.007N**	P=0.286N	P=0.011N*
POLY 3	P=0.275N	P=0.128N	P=0.238N	P=0.008N**	P=0.413N	P=0.007N**
POLY 1.5	P=0.359N	P=0.176N	P=0.262N	P=0.007N**	P=0.467N	P=0.006N**
POLY 6	P=0.204N	P=0.090N	P=0.224N	P=0.010N**	P=0.351N	P=0.009N**
LOGISTIC REGRESSION	P=0.200N	P=0.161N	P=0.173N	P=0.003N**	P=0.447N	P=0.008N**
COCH-ARM / FISHERS	P=0.510N	P=0.274N	P=0.328N	P=0.005N**	P=0.547N	P=0.008N**
ORDER RESTRICTED	(e)	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	(e)

**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**

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Test Type: CHRONIC-LIFETIME

Route: DOSED FEED

Species/Strain: RATS/SD

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
TERMINAL SACRIFICE AT 105 WEEKS**

---

**Females**

**DOSE**                      **0 PPM**

---

**Mammary Gland  
Fibroadenoma**

---

**TUMOR RATES**

#

OVERALL (a)                      88/150 (59%)

POLY-3 RATE (b)                88/121.37

POLY-3 PERCENT (g)            72.5%

TERMINAL (d)                    29/40 (73%)

FIRST INCIDENCE                356

.....  
**STATISTICAL TESTS**

LIFE TABLE                    P=0.050N\*

POLY 3                            P=0.375

POLY 1.5                        P=0.258

POLY 6                            P=0.508

LOGISTIC REGRESSION        P=0.402

COCH-ARM / FISHERS         P=0.121

ORDER RESTRICTED            P=0.157N

MAX-ISO-POLY-3               P=0.184N

---

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Date Report Requested: 01/28/2008

Test Type: CHRONIC-LIFETIME

Aspartame

Time Report Requested: 17:57:48

Route: DOSED FEED

CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
 TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Females					
	100000 PPM	50000 PPM	10000 PPM	2000 PPM	400 PPM	80 PPM

Mammary Gland  
 Fibrolipoma

TUMOR RATES	#	#	#	#	#	#
OVERALL (a)	0/100 (0%)	0/100 (0%)	1/100 (1%)	0/150 (0%)	0/150 (0%)	0/150 (0%)
POLY-3 RATE (b)	0/75.87	0/70.59	1/70.95	0/98.95	0/102.84	0/97.16
POLY-3 PERCENT (g)	0%	0%	1.4%	0%	0%	0%
TERMINAL (d)	0/45 (0%)	0/36 (0%)	0/30 (0%)	0/45 (0%)	0/45 (0%)	0/46 (0%)
FIRST INCIDENCE	---	---	659	---	---	---

STATISTICAL TESTS

LIFE TABLE	P=0.511N	P=0.549N	P=0.710	P=0.495N	P=0.474N	P=0.495N
POLY 3	P=0.554N	P=0.568N	P=0.686	P=0.500N	P=0.492N	P=0.504N
POLY 1.5	P=0.566N	P=0.574N	P=0.679	P=0.502N	P=0.496N	P=0.503N
POLY 6	P=0.536N	P=0.559N	P=0.697	P=0.496N	P=0.488N	P=0.502N
LOGISTIC REGRESSION	P=0.575N	P=0.576N	P=0.678	P=0.501N	P=0.497N	P=0.502N
COCH-ARM / FISHERS	P=0.600N	P=0.600N	P=0.641	P=0.500N	P=0.500N	P=0.500N
ORDER RESTRICTED	(e)	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	(e)

**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**

Aspartame

CAS Number: 22839-47-0

Date Report Requested: 01/28/2008

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First Dose M/F: 06/27/97 / 06/27/97

Lab: CRC

Test Type: CHRONIC-LIFETIME

Route: DOSED FEED

Species/Strain: RATS/SD

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
TERMINAL SACRIFICE AT 105 WEEKS**

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**Females**

**DOSE**                      **0 PPM**

---

**Mammary Gland  
Fibrolipoma**

---

<b>TUMOR RATES</b>	<b>#</b>
OVERALL (a)	1/150 (1%)
POLY-3 RATE (b)	1/99.02
POLY-3 PERCENT (g)	1%
TERMINAL (d)	0/40 (0%)
FIRST INCIDENCE	641

---

**STATISTICAL TESTS**

LIFE TABLE	P=0.443N
POLY 3	P=0.475N
POLY 1.5	P=0.480N
POLY 6	P=0.469N
LOGISTIC REGRESSION	P=0.475N
COCH-ARM / FISHERS	P=0.488N
ORDER RESTRICTED	P=0.232N
MAX-ISO-POLY-3	P=0.244N

---

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Date Report Requested: 01/28/2008

Test Type: CHRONIC-LIFETIME

Aspartame

Time Report Requested: 17:57:48

Route: DOSED FEED

CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
 TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Females					
	100000 PPM	50000 PPM	10000 PPM	2000 PPM	400 PPM	80 PPM
<b>Mammary Gland Fibroma</b>						
<b>TUMOR RATES</b>	#	#	#	#	#	#
OVERALL (a)	1/100 (1%)	5/100 (5%)	3/100 (3%)	4/150 (3%)	1/150 (1%)	2/150 (1%)
POLY-3 RATE (b)	1/75.87	5/71.68	3/71.24	4/99.08	1/102.84	2/97.72
POLY-3 PERCENT (g)	1.3%	7%	4.2%	4%	1%	2.1%
TERMINAL (d)	1/45 (2%)	3/36 (8%)	1/30 (3%)	3/45 (7%)	1/45 (2%)	0/46 (0%)
FIRST INCIDENCE	730 (T)	554	563	698	730 (T)	633
<b>STATISTICAL TESTS</b>						
LIFE TABLE	P=0.735N	P=0.067	P=0.205	P=0.217	P=0.735N	P=0.518
POLY 3	P=0.703	P=0.046*	P=0.197	P=0.183	P=0.752N	P=0.497
POLY 1.5	P=0.688	P=0.042*	P=0.189	P=0.180	P=0.755N	P=0.497
POLY 6	P=0.725	P=0.053	P=0.211	P=0.190	P=0.746N	P=0.503
LOGISTIC REGRESSION	P=0.735N	P=0.047*	P=0.207	P=0.213	P=0.735N	P=0.497
COCH-ARM / FISHERS	P=0.641	P=0.039*	P=0.177	P=0.185	P=0.751N	P=0.500
ORDER RESTRICTED	(e)	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	(e)



**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**

Aspartame

CAS Number: 22839-47-0

Date Report Requested: 01/28/2008

Time Report Requested: 17:57:48

First Dose M/F: 06/27/97 / 06/27/97

Lab: CRC

Test Type: CHRONIC-LIFETIME

Route: DOSED FEED

Species/Strain: RATS/SD

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
TERMINAL SACRIFICE AT 105 WEEKS**

---

**Females**

**DOSE**                      **0 PPM**

---

**Mammary Gland  
Fibroma**

---

<b>TUMOR RATES</b>	<b>#</b>
OVERALL (a)	1/150 (1%)
POLY-3 RATE (b)	1/98.69
POLY-3 PERCENT (g)	1%
TERMINAL (d)	1/40 (3%)
FIRST INCIDENCE	730 (T)

---

**STATISTICAL TESTS**

LIFE TABLE	P=0.540
POLY 3	P=0.447
POLY 1.5	P=0.401
POLY 6	P=0.512
LOGISTIC REGRESSION	P=0.445
COCH-ARM / FISHERS	P=0.342
ORDER RESTRICTED	P=0.201
MAX-ISO-POLY-3	P=0.212

---

**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**

**Test Type:** CHRONIC-LIFETIME  
**Route:** DOSED FEED  
**Species/Strain:** RATS/SD

Aspartame  
**CAS Number:** 22839-47-0

**Date Report Requested:** 01/28/2008  
**Time Report Requested:** 17:57:48  
**First Dose M/F:** 06/27/97 / 06/27/97  
**Lab:** CRC

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females					
	100000 PPM	50000 PPM	10000 PPM	2000 PPM	400 PPM	80 PPM
<b>Mammary Gland Fibroma, Fibroadenoma or Adenoma</b>						
<b>TUMOR RATES</b>	#	#	#	#	#	#
OVERALL (a)	58/100 (58%)	59/100 (59%)	57/100 (57%)	68/150 (45%)	89/150 (59%)	67/150 (45%)
POLY-3 RATE (b)	58/85.26	59/85	57/81.77	68/111.94	89/124.74	67/114.54
POLY-3 PERCENT (g)	68%	69.4%	69.7%	60.8%	71.4%	58.5%
TERMINAL (d)	32/45 (71%)	26/36 (72%)	23/30 (77%)	31/45 (69%)	34/45 (76%)	26/46 (57%)
FIRST INCIDENCE	397	117	438	479	335	430
<b>STATISTICAL TESTS</b>						
LIFE TABLE	P=0.004N**	P=0.110N	P=0.147N	P=0.011N*	P=0.284N	P=0.012N*
POLY 3	P=0.236N	P=0.314N	P=0.334N	P=0.018N*	P=0.420N	P=0.006N**
POLY 1.5	P=0.316N	P=0.385N	P=0.349N	P=0.015N*	P=0.470N	P=0.006N**
POLY 6	P=0.172N	P=0.253N	P=0.338N	P=0.025N*	P=0.365N	P=0.008N**
LOGISTIC REGRESSION	P=0.167N	P=0.397N	P=0.226N	P=0.007N**	P=0.444N	P=0.008N**
COCH-ARM / FISHERS	P=0.468N	P=0.531N	P=0.406N	P=0.010N**	P=0.547N	P=0.008N**
ORDER RESTRICTED	(e)	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	(e)



P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Date Report Requested: 01/28/2008

Test Type: CHRONIC-LIFETIME

Aspartame

Time Report Requested: 17:57:48

Route: DOSED FEED

CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
 TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Females					
	100000 PPM	50000 PPM	10000 PPM	2000 PPM	400 PPM	80 PPM

Mammary Gland  
 Fibroma, Fibroadenoma, Carcinoma, or Adenoma

TUMOR RATES	#	#	#	#	#	#
OVERALL (a)	60/100 (60%)	63/100 (63%)	60/100 (60%)	73/150 (49%)	95/150 (63%)	79/150 (53%)
POLY-3 RATE (b)	60/85.5	63/85.47	60/83.21	73/112.58	95/127.96	79/119.45
POLY-3 PERCENT (g)	70.2%	73.7%	72.1%	64.8%	74.2%	66.1%
TERMINAL (d)	33/45 (73%)	28/36 (78%)	23/30 (77%)	33/45 (73%)	34/45 (76%)	31/46 (67%)
FIRST INCIDENCE	397	117	438	479	335	430

STATISTICAL TESTS

LIFE TABLE	P=0.004N**	P=0.167N	P=0.195N	P=0.022N*	P=0.406N	P=0.093N
POLY 3	P=0.273N	P=0.509N	P=0.397N	P=0.049N*	P=0.537N	P=0.075N
POLY 1.5	P=0.356N	P=0.555	P=0.432N	P=0.038N*	P=0.494	P=0.079N
POLY 6	P=0.209N	P=0.450N	P=0.375N	P=0.071N	P=0.443N	P=0.078N
LOGISTIC REGRESSION	P=0.184N	P=0.551	P=0.320N	P=0.016N*	P=0.450	P=0.115N
COCH-ARM / FISHERS	P=0.510N	P=0.406	P=0.510N	P=0.024N*	P=0.361	P=0.100N
ORDER RESTRICTED	(e)	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	(e)

**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**

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Lab: CRC

Test Type: CHRONIC-LIFETIME

Route: DOSED FEED

Species/Strain: RATS/SD

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
TERMINAL SACRIFICE AT 105 WEEKS**

---

**Females**

**DOSE**                      **0 PPM**

---

**Mammary Gland  
Fibroma, Fibroadenoma, Carcinoma, or Adenoma**

---

<b>TUMOR RATES</b>	<b>#</b>
OVERALL (a)	91/150 (61%)
POLY-3 RATE (b)	91/122.02
POLY-3 PERCENT (g)	74.6%
TERMINAL (d)	29/40 (73%)
FIRST INCIDENCE	356

---

**STATISTICAL TESTS**

LIFE TABLE	P=0.022N*
POLY 3	P=0.465
POLY 1.5	P=0.351
POLY 6	P=0.482N
LOGISTIC REGRESSION	P=0.519
COCH-ARM / FISHERS	P=0.183
ORDER RESTRICTED	P=0.405N
MAX-ISO-POLY-3	P=0.423N

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P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

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Aspartame

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Route: DOSED FEED

CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
 TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Females					
	100000 PPM	50000 PPM	10000 PPM	2000 PPM	400 PPM	80 PPM

Mammary Gland  
 Leukemia Monocytic

TUMOR RATES	#	#	#	#	#	#
OVERALL (a)	0/100 (0%)	0/100 (0%)	2/100 (2%)	1/150 (1%)	0/150 (0%)	0/150 (0%)
POLY-3 RATE (b)	0/75.87	0/70.59	2/71.07	1/99.55	0/102.84	0/97.16
POLY-3 PERCENT (g)	0%	0%	2.8%	1%	0%	0%
TERMINAL (d)	0/45 (0%)	0/36 (0%)	1/30 (3%)	0/45 (0%)	0/45 (0%)	0/46 (0%)
FIRST INCIDENCE	---	---	621	540	---	---

STATISTICAL TESTS

LIFE TABLE	(e)	(e)	P=0.185	P=0.500	(e)	(e)
POLY 3	(e)	(e)	P=0.167	P=0.502	(e)	(e)
POLY 1.5	(e)	(e)	P=0.162	P=0.499	(e)	(e)
POLY 6	(e)	(e)	P=0.176	P=0.508	(e)	(e)
LOGISTIC REGRESSION	(e)	(e)	P=0.171	P=0.513	(e)	(e)
COCH-ARM / FISHERS	(e)	(e)	P=0.159	P=0.500	(e)	(e)
ORDER RESTRICTED	(e)	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	(e)

**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**

Aspartame

CAS Number: 22839-47-0

Date Report Requested: 01/28/2008

Time Report Requested: 17:57:48

First Dose M/F: 06/27/97 / 06/27/97

Lab: CRC

Test Type: CHRONIC-LIFETIME

Route: DOSED FEED

Species/Strain: RATS/SD

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
TERMINAL SACRIFICE AT 105 WEEKS**

---

**Females**

**DOSE**                      **0 PPM**

---

**Mammary Gland  
Leukemia Monocytic**

---

<b>TUMOR RATES</b>	#
OVERALL (a)	0/150 (0%)
POLY-3 RATE (b)	0/98.69
POLY-3 PERCENT (g)	0%
TERMINAL (d)	0/40 (0%)
FIRST INCIDENCE	---

---

**STATISTICAL TESTS**

LIFE TABLE	P=0.394N
POLY 3	P=0.416N
POLY 1.5	P=0.429N
POLY 6	P=0.397N
LOGISTIC REGRESSION	P=0.443N
COCH-ARM / FISHERS	P=0.447N
ORDER RESTRICTED	P=0.360
MAX-ISO-POLY-3	P=0.366

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P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

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Aspartame

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Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
 TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Females					
	100000 PPM	50000 PPM	10000 PPM	2000 PPM	400 PPM	80 PPM
<b>Mammary Gland</b>						
<b>Lymphoma Malignant Lymphocytic</b>						
<b>TUMOR RATES</b>	#	#	#	#	#	#
OVERALL (a)	0/100 (0%)	2/100 (2%)	1/100 (1%)	0/150 (0%)	0/150 (0%)	0/150 (0%)
POLY-3 RATE (b)	0/75.87	2/70.59	1/71.24	0/98.95	0/102.84	0/97.16
POLY-3 PERCENT (g)	0%	2.8%	1.4%	0%	0%	0%
TERMINAL (d)	0/45 (0%)	2/36 (6%)	0/30 (0%)	0/45 (0%)	0/45 (0%)	0/46 (0%)
FIRST INCIDENCE	---	730 (T)	554	---	---	---
<b>STATISTICAL TESTS</b>						
LIFE TABLE	(e)	P=0.215	P=0.418	(e)	(e)	(e)
POLY 3	(e)	P=0.166	P=0.434	(e)	(e)	(e)
POLY 1.5	(e)	P=0.161	P=0.428	(e)	(e)	(e)
POLY 6	(e)	P=0.175	P=0.444	(e)	(e)	(e)
LOGISTIC REGRESSION	(e)	P=0.215	P=0.397	(e)	(e)	(e)
COCH-ARM / FISHERS	(e)	P=0.159	P=0.400	(e)	(e)	(e)
ORDER RESTRICTED	(e)	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	(e)



**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**

**Date Report Requested:** 01/28/2008

**Test Type:** CHRONIC-LIFETIME

Aspartame

**Time Report Requested:** 17:57:48

**Route:** DOSED FEED

**CAS Number:** 22839-47-0

**First Dose M/F:** 06/27/97 / 06/27/97

**Species/Strain:** RATS/SD

**Lab:** CRC

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
TERMINAL SACRIFICE AT 105 WEEKS**

---

**Females**

**DOSE**                      **0 PPM**

---

**Mammary Gland  
Lymphoma Malignant Lymphocytic**

---

<b>TUMOR RATES</b>	<b>#</b>
OVERALL (a)	0/150 (0%)
POLY-3 RATE (b)	0/98.69
POLY-3 PERCENT (g)	0%
TERMINAL (d)	0/40 (0%)
FIRST INCIDENCE	---

---

**STATISTICAL TESTS**

LIFE TABLE	P=0.378
POLY 3	P=0.376
POLY 1.5	P=0.341
POLY 6	P=0.425
LOGISTIC REGRESSION	P=0.327
COCH-ARM / FISHERS	P=0.295
ORDER RESTRICTED	P=0.180
MAX-ISO-POLY-3	P=0.193

---

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Date Report Requested: 01/28/2008

Test Type: CHRONIC-LIFETIME

Aspartame

Time Report Requested: 17:57:48

Route: DOSED FEED

CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
 TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Females					
	100000 PPM	50000 PPM	10000 PPM	2000 PPM	400 PPM	80 PPM

Mammary Gland  
 Neoplasm NOS

TUMOR RATES	#	#	#	#	#	#
OVERALL (a)	2/100 (2%)	0/100 (0%)	0/100 (0%)	0/150 (0%)	0/150 (0%)	1/150 (1%)
POLY-3 RATE (b)	2/76.89	0/70.59	0/70.68	0/98.95	0/102.84	1/97.85
POLY-3 PERCENT (g)	2.6%	0%	0%	0%	0%	1%
TERMINAL (d)	0/45 (0%)	0/36 (0%)	0/30 (0%)	0/45 (0%)	0/45 (0%)	0/46 (0%)
FIRST INCIDENCE	397	---	---	---	---	495

STATISTICAL TESTS

LIFE TABLE	P=0.195	(e)	(e)	(e)	(e)	P=0.489
POLY 3	P=0.183	(e)	(e)	(e)	(e)	P=0.498
POLY 1.5	P=0.170	(e)	(e)	(e)	(e)	P=0.498
POLY 6	P=0.203	(e)	(e)	(e)	(e)	P=0.501
LOGISTIC REGRESSION	P=0.113	(e)	(e)	(e)	(e)	P=0.505
COCH-ARM / FISHERS	P=0.159	(e)	(e)	(e)	(e)	P=0.500
ORDER RESTRICTED	(e)	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	(e)

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Date Report Requested: 01/28/2008

Test Type: CHRONIC-LIFETIME

Aspartame

Time Report Requested: 17:57:48

Route: DOSED FEED

CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
TERMINAL SACRIFICE AT 105 WEEKS

Females

DOSE 0 PPM

Mammary Gland  
Neoplasm NOS

TUMOR RATES	#
OVERALL (a)	0/150 (0%)
POLY-3 RATE (b)	0/98.69
POLY-3 PERCENT (g)	0%
TERMINAL (d)	0/40 (0%)
FIRST INCIDENCE	---

STATISTICAL TESTS

LIFE TABLE	P=0.025*
POLY 3	P=0.019*
POLY 1.5	P=0.018*
POLY 6	P=0.021*
LOGISTIC REGRESSION	P=0.008**
COCH-ARM / FISHERS	P=0.017*
ORDER RESTRICTED	P=0.010**
MAX-ISO-POLY-3	P=0.013*

**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**

**Date Report Requested:** 01/28/2008

**Test Type:** CHRONIC-LIFETIME

Aspartame

**Time Report Requested:** 17:57:48

**Route:** DOSED FEED

**CAS Number:** 22839-47-0

**First Dose M/F:** 06/27/97 / 06/27/97

**Species/Strain:** RATS/SD

**Lab:** CRC

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females					
	100000 PPM	50000 PPM	10000 PPM	2000 PPM	400 PPM	80 PPM
<b>Nose Adenoma</b>						
<b>TUMOR RATES</b>						
OVERALL (a)	2/100 (2%)	0/100 (0%)	2/100 (2%)	1/150 (1%)	1/150 (1%)	2/150 (1%)
POLY-3 RATE (b)	2/76.22	0/70.59	2/71.54	1/98.95	1/103.49	2/98.34
POLY-3 PERCENT (g)	2.6%	0%	2.8%	1%	1%	2%
TERMINAL (d)	1/45 (2%)	0/36 (0%)	0/30 (0%)	1/45 (2%)	0/45 (0%)	0/46 (0%)
FIRST INCIDENCE	630	---	518	730 (T)	515	528
<b>STATISTICAL TESTS</b>						
LIFE TABLE	P=0.244	(e)	P=0.178	P=0.523	P=0.500	P=0.214
POLY 3	P=0.181	(e)	P=0.169	P=0.501	P=0.509	P=0.238
POLY 1.5	P=0.169	(e)	P=0.163	P=0.498	P=0.505	P=0.237
POLY 6	P=0.200	(e)	P=0.178	P=0.505	P=0.516	P=0.242
LOGISTIC REGRESSION	P=0.185	(e)	P=0.146	P=0.523	P=0.484	P=0.244
COCH-ARM / FISHERS	P=0.159	(e)	P=0.159	P=0.500	P=0.500	P=0.249
ORDER RESTRICTED	(e)	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	(e)

**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**

Aspartame

CAS Number: 22839-47-0

Date Report Requested: 01/28/2008

Time Report Requested: 17:57:48

First Dose M/F: 06/27/97 / 06/27/97

Lab: CRC

Test Type: CHRONIC-LIFETIME

Route: DOSED FEED

Species/Strain: RATS/SD

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)**

**TERMINAL SACRIFICE AT 105 WEEKS**

---

**Females**

**DOSE**                      **0 PPM**

---

**Nose  
Adenoma**

---

**TUMOR RATES**

OVERALL (a)	0/150 (0%)
POLY-3 RATE (b)	0/98.69
POLY-3 PERCENT (g)	0%
TERMINAL (d)	0/40 (0%)
FIRST INCIDENCE	---

---

**STATISTICAL TESTS**

LIFE TABLE	P=0.373
POLY 3	P=0.329
POLY 1.5	P=0.310
POLY 6	P=0.357
LOGISTIC REGRESSION	P=0.274
COCH-ARM / FISHERS	P=0.286
ORDER RESTRICTED	P=0.115
MAX-ISO-POLY-3	P=0.127

---

**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**

**Date Report Requested:** 01/28/2008

**Test Type:** CHRONIC-LIFETIME

Aspartame

**Time Report Requested:** 17:57:48

**Route:** DOSED FEED

**CAS Number:** 22839-47-0

**First Dose M/F:** 06/27/97 / 06/27/97

**Species/Strain:** RATS/SD

**Lab:** CRC

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females					
	100000 PPM	50000 PPM	10000 PPM	2000 PPM	400 PPM	80 PPM

**Oral Cavity (Oral Mucosa, Tongue, Pharynx, Tooth, Gingiva)  
Papilloma Squamous or Papilloma**

TUMOR RATES	#	#	#	#	#	#
OVERALL (a)	2/100 (2%)	0/100 (0%)	1/100 (1%)	0/150 (0%)	0/150 (0%)	1/150 (1%)
POLY-3 RATE (b)	2/76.89	0/70.59	1/70.84	0/98.95	0/102.84	1/97.16
POLY-3 PERCENT (g)	2.6%	0%	1.4%	0%	0%	1%
TERMINAL (d)	0/45 (0%)	0/36 (0%)	0/30 (0%)	0/45 (0%)	0/45 (0%)	1/46 (2%)
FIRST INCIDENCE	515	---	689	---	---	730 (T)

**STATISTICAL TESTS**

LIFE TABLE	P=0.196	(e)	P=0.459	(e)	(e)	P=0.528
POLY 3	P=0.183	(e)	P=0.433	(e)	(e)	P=0.497
POLY 1.5	P=0.170	(e)	P=0.427	(e)	(e)	P=0.498
POLY 6	P=0.203	(e)	P=0.442	(e)	(e)	P=0.499
LOGISTIC REGRESSION	P=0.125	(e)	P=0.441	(e)	(e)	P=0.528
COCH-ARM / FISHERS	P=0.159	(e)	P=0.400	(e)	(e)	P=0.500
ORDER RESTRICTED	(e)	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	(e)



P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Date Report Requested: 01/28/2008

Test Type: CHRONIC-LIFETIME

Aspartame

Time Report Requested: 17:57:48

Route: DOSED FEED

CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
 TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Females					
	100000 PPM	50000 PPM	10000 PPM	2000 PPM	400 PPM	80 PPM

Oral Cavity (Oral Mucosa, Tongue, Pharynx, Tooth, Gingiva)  
 Squamous Cell Carcinoma

TUMOR RATES	#	#	#	#	#	#
OVERALL (a)	1/100 (1%)	1/100 (1%)	1/100 (1%)	1/150 (1%)	4/150 (3%)	0/150 (0%)
POLY-3 RATE (b)	1/75.87	1/70.79	1/70.68	1/98.95	4/103.25	0/97.16
POLY-3 PERCENT (g)	1.3%	1.4%	1.4%	1%	3.9%	0%
TERMINAL (d)	1/45 (2%)	0/36 (0%)	1/30 (3%)	1/45 (2%)	2/45 (4%)	0/46 (0%)
FIRST INCIDENCE	730 (T)	680	730 (T)	730 (T)	621	---

STATISTICAL TESTS

LIFE TABLE	P=0.297N	P=0.369N	P=0.397N	P=0.273N	P=0.569	P=0.115N
POLY 3	P=0.404N	P=0.432N	P=0.432N	P=0.307N	P=0.522	P=0.125N
POLY 1.5	P=0.428N	P=0.444N	P=0.443N	P=0.311N	P=0.513	P=0.124N
POLY 6	P=0.371N	P=0.412N	P=0.417N	P=0.299N	P=0.537	P=0.123N
LOGISTIC REGRESSION	P=0.344N	P=0.408N	P=0.400N	P=0.286N	P=0.546	P=0.120N
COCH-ARM / FISHERS	P=0.475N	P=0.475N	P=0.475N	P=0.311N	P=0.500	P=0.124N
ORDER RESTRICTED	(e)	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	(e)





P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Date Report Requested: 01/28/2008

Test Type: CHRONIC-LIFETIME

Aspartame

Time Report Requested: 17:57:48

Route: DOSED FEED

CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
 TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Females					
	100000 PPM	50000 PPM	10000 PPM	2000 PPM	400 PPM	80 PPM

Oral Cavity (Oral Mucosa, Tongue, Pharynx, Tooth, Gingiva)  
 Squamous Cell Carcinoma, Papilloma Squamous, or Papilloma

TUMOR RATES	#	#	#	#	#	#
OVERALL (a)	3/100 (3%)	1/100 (1%)	2/100 (2%)	1/150 (1%)	4/150 (3%)	1/150 (1%)
POLY-3 RATE (b)	3/76.89	1/70.79	2/70.84	1/98.95	4/103.25	1/97.16
POLY-3 PERCENT (g)	3.9%	1.4%	2.8%	1%	3.9%	1%
TERMINAL (d)	1/45 (2%)	0/36 (0%)	1/30 (3%)	1/45 (2%)	2/45 (4%)	1/46 (2%)
FIRST INCIDENCE	515	680	689	730 (T)	621	730 (T)

STATISTICAL TESTS

LIFE TABLE	P=0.638	P=0.369N	P=0.603N	P=0.273N	P=0.569	P=0.283N
POLY 3	P=0.541	P=0.432N	P=0.649N	P=0.307N	P=0.522	P=0.313N
POLY 1.5	P=0.508	P=0.444N	P=0.661N	P=0.311N	P=0.513	P=0.312N
POLY 6	P=0.588	P=0.412N	P=0.633N	P=0.299N	P=0.537	P=0.310N
LOGISTIC REGRESSION	P=0.514	P=0.408N	P=0.618N	P=0.286N	P=0.546	P=0.297N
COCH-ARM / FISHERS	P=0.456	P=0.475N	P=0.665	P=0.311N	P=0.500	P=0.311N
ORDER RESTRICTED	(e)	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	(e)

**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**

**Test Type:** CHRONIC-LIFETIME  
**Route:** DOSED FEED  
**Species/Strain:** RATS/SD

Aspartame  
**CAS Number:** 22839-47-0

**Date Report Requested:** 01/28/2008  
**Time Report Requested:** 17:57:48  
**First Dose M/F:** 06/27/97 / 06/27/97  
**Lab:** CRC

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
TERMINAL SACRIFICE AT 105 WEEKS**

---

**Females**

**DOSE**                      **0 PPM**

---

**Oral Cavity (Oral Mucosa, Tongue, Pharynx, Tooth, Gingiva)  
Squamous Cell Carcinoma, Papilloma Squamous, or Papilloma**

---

<b>TUMOR RATES</b>	<b>#</b>
OVERALL (a)	3/150 (2%)
POLY-3 RATE (b)	3/99.04
POLY-3 PERCENT (g)	3%
TERMINAL (d)	0/40 (0%)
FIRST INCIDENCE	671

---

**STATISTICAL TESTS**

LIFE TABLE	P=0.458
POLY 3	P=0.340
POLY 1.5	P=0.311
POLY 6	P=0.380
LOGISTIC REGRESSION	P=0.365
COCH-ARM / FISHERS	P=0.273
ORDER RESTRICTED	P=0.411
MAX-ISO-POLY-3	P=0.412

---

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Date Report Requested: 01/28/2008

Test Type: CHRONIC-LIFETIME

Aspartame

Time Report Requested: 17:57:48

Route: DOSED FEED

CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
 TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Females					
	100000 PPM	50000 PPM	10000 PPM	2000 PPM	400 PPM	80 PPM
<b>Oral Mucosa Squamous Cell Carcinoma</b>						
<b>TUMOR RATES</b>	#	#	#	#	#	#
OVERALL (a)	1/100 (1%)	0/100 (0%)	1/100 (1%)	1/150 (1%)	4/150 (3%)	0/150 (0%)
POLY-3 RATE (b)	1/75.87	0/70.59	1/70.68	1/98.95	4/103.25	0/97.16
POLY-3 PERCENT (g)	1.3%	0%	1.4%	1%	3.9%	0%
TERMINAL (d)	1/45 (2%)	0/36 (0%)	1/30 (3%)	1/45 (2%)	2/45 (4%)	0/46 (0%)
FIRST INCIDENCE	730 (T)	---	730 (T)	730 (T)	621	---
<b>STATISTICAL TESTS</b>						
LIFE TABLE	P=0.495N	P=0.281N	P=0.589N	P=0.462N	P=0.399	P=0.234N
POLY 3	P=0.593N	P=0.315N	P=0.617N	P=0.500N	P=0.359	P=0.242N
POLY 1.5	P=0.613N	P=0.322N	P=0.625N	P=0.503N	P=0.351	P=0.241N
POLY 6	P=0.562N	P=0.303N	P=0.604N	P=0.492N	P=0.372	P=0.240N
LOGISTIC REGRESSION	P=0.536N	P=0.298N	P=0.587N	P=0.480N	P=0.378	P=0.236N
COCH-ARM / FISHERS	P=0.649N	P=0.359N	P=0.649N	P=0.500N	P=0.342	P=0.249N
ORDER RESTRICTED	(e)	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	(e)

**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**

Aspartame

CAS Number: 22839-47-0

Date Report Requested: 01/28/2008

Time Report Requested: 17:57:48

First Dose M/F: 06/27/97 / 06/27/97

Lab: CRC

Test Type: CHRONIC-LIFETIME

Route: DOSED FEED

Species/Strain: RATS/SD

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
TERMINAL SACRIFICE AT 105 WEEKS**

---

**Females**

**DOSE**                      **0 PPM**

---

**Oral Mucosa  
Squamous Cell Carcinoma**

---

<b>TUMOR RATES</b>	#
OVERALL (a)	2/150 (1%)
POLY-3 RATE (b)	2/98.94
POLY-3 PERCENT (g)	2%
TERMINAL (d)	0/40 (0%)
FIRST INCIDENCE	671

---

**STATISTICAL TESTS**

LIFE TABLE	P=0.273N
POLY 3	P=0.359N
POLY 1.5	P=0.374N
POLY 6	P=0.338N
LOGISTIC REGRESSION	P=0.308N
COCH-ARM / FISHERS	P=0.398N
ORDER RESTRICTED	P=0.449N
MAX-ISO-POLY-3	P=0.452N

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P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Date Report Requested: 01/28/2008

Test Type: CHRONIC-LIFETIME

Aspartame

Time Report Requested: 17:57:48

Route: DOSED FEED

CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
 TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Females					
	100000 PPM	50000 PPM	10000 PPM	2000 PPM	400 PPM	80 PPM

Oral Mucosa  
 Squamous Cell Papilloma

TUMOR RATES	#	#	#	#	#	#
OVERALL (a)	2/100 (2%)	0/100 (0%)	0/100 (0%)	0/150 (0%)	0/150 (0%)	1/150 (1%)
POLY-3 RATE (b)	2/76.89	0/70.59	0/70.68	0/98.95	0/102.84	1/97.16
POLY-3 PERCENT (g)	2.6%	0%	0%	0%	0%	1%
TERMINAL (d)	0/45 (0%)	0/36 (0%)	0/30 (0%)	0/45 (0%)	0/45 (0%)	1/46 (2%)
FIRST INCIDENCE	515	---	---	---	---	730 (T)

STATISTICAL TESTS

LIFE TABLE	P=0.196	(e)	(e)	(e)	(e)	P=0.528
POLY 3	P=0.183	(e)	(e)	(e)	(e)	P=0.497
POLY 1.5	P=0.170	(e)	(e)	(e)	(e)	P=0.498
POLY 6	P=0.203	(e)	(e)	(e)	(e)	P=0.499
LOGISTIC REGRESSION	P=0.125	(e)	(e)	(e)	(e)	P=0.528
COCH-ARM / FISHERS	P=0.159	(e)	(e)	(e)	(e)	P=0.500
ORDER RESTRICTED	(e)	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	(e)

**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**

Aspartame

CAS Number: 22839-47-0

Date Report Requested: 01/28/2008

Time Report Requested: 17:57:48

First Dose M/F: 06/27/97 / 06/27/97

Lab: CRC

Test Type: CHRONIC-LIFETIME

Route: DOSED FEED

Species/Strain: RATS/SD

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)**

**TERMINAL SACRIFICE AT 105 WEEKS**

---

**Females**

**DOSE**                      **0 PPM**

---

**Oral Mucosa  
Squamous Cell Papilloma**

---

<b>TUMOR RATES</b>	#
OVERALL (a)	0/150 (0%)
POLY-3 RATE (b)	0/98.69
POLY-3 PERCENT (g)	0%
TERMINAL (d)	0/40 (0%)
FIRST INCIDENCE	---

---

**STATISTICAL TESTS**

LIFE TABLE	P=0.033*
POLY 3	P=0.019*
POLY 1.5	P=0.018*
POLY 6	P=0.021*
LOGISTIC REGRESSION	P=0.016*
COCH-ARM / FISHERS	P=0.017*
ORDER RESTRICTED	P=0.010**
MAX-ISO-POLY-3	P=0.013*

---

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Date Report Requested: 01/28/2008

Test Type: CHRONIC-LIFETIME

Aspartame

Time Report Requested: 17:57:48

Route: DOSED FEED

CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
 TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Females					
	100000 PPM	50000 PPM	10000 PPM	2000 PPM	400 PPM	80 PPM
<b>Ovary Cystadenoma</b>						
<b>TUMOR RATES</b>						
OVERALL (a)	1/100 (1%)	0/99 (0%)	1/99 (1%)	8/148 (5%)	2/149 (1%)	4/148 (3%)
POLY-3 RATE (b)	1/76.55	0/69.74	1/70.12	8/100.23	2/102.49	4/96.8
POLY-3 PERCENT (g)	1.3%	0%	1.4%	8%	2%	4.1%
TERMINAL (d)	0/45 (0%)	0/36 (0%)	1/30 (3%)	3/45 (7%)	2/45 (4%)	3/46 (7%)
FIRST INCIDENCE	496	---	730 (T)	499	730 (T)	596
<b>STATISTICAL TESTS</b>						
LIFE TABLE	P=0.117N	P=0.055N	P=0.179N	P=0.336	P=0.177N	P=0.445N
POLY 3	P=0.173N	P=0.073N	P=0.202N	P=0.287	P=0.208N	P=0.517N
POLY 1.5	P=0.194N	P=0.077N	P=0.212N	P=0.277	P=0.215N	P=0.514N
POLY 6	P=0.146N	P=0.066N	P=0.188N	P=0.308	P=0.199N	P=0.511N
LOGISTIC REGRESSION	P=0.195N	P=0.068N	P=0.184N	P=0.290	P=0.188N	P=0.504N
COCH-ARM / FISHERS	P=0.230N	P=0.077N	P=0.234N	P=0.278	P=0.227N	P=0.508N
ORDER RESTRICTED	(e)	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	(e)



**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**

Aspartame

CAS Number: 22839-47-0

Date Report Requested: 01/28/2008

Time Report Requested: 17:57:48

First Dose M/F: 06/27/97 / 06/27/97

Lab: CRC

Test Type: CHRONIC-LIFETIME

Route: DOSED FEED

Species/Strain: RATS/SD

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)**

**TERMINAL SACRIFICE AT 105 WEEKS**

---

**Females**

**DOSE**                      **0 PPM**

---

**Ovary**  
**Cystadenoma**

---

**TUMOR RATES**

OVERALL (a)	5/150 (3%)
POLY-3 RATE (b)	5/99.45
POLY-3 PERCENT (g)	5%
TERMINAL (d)	2/40 (5%)
FIRST INCIDENCE	620

---

**STATISTICAL TESTS**

LIFE TABLE	P=0.027N*
POLY 3	P=0.044N*
POLY 1.5	P=0.050N*
POLY 6	P=0.036N*
LOGISTIC REGRESSION	P=0.042N*
COCH-ARM / FISHERS	P=0.060N
ORDER RESTRICTED	P=0.100N
MAX-ISO-POLY-3	P=0.085N

---

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Date Report Requested: 01/28/2008

Test Type: CHRONIC-LIFETIME

Aspartame

Time Report Requested: 17:57:48

Route: DOSED FEED

CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
 TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Females					
	100000 PPM	50000 PPM	10000 PPM	2000 PPM	400 PPM	80 PPM
<b>Ovary</b>						
<b>Fibroangioma</b>						
<b>TUMOR RATES</b>						
OVERALL (a)	3/100 (3%)	3/99 (3%)	1/99 (1%)	1/148 (1%)	0/149 (0%)	0/148 (0%)
POLY-3 RATE (b)	3/76.37	3/70.2	1/70.12	1/98.92	0/102.49	0/96.34
POLY-3 PERCENT (g)	3.9%	4.3%	1.4%	1%	0%	0%
TERMINAL (d)	1/45 (2%)	1/36 (3%)	1/30 (3%)	0/45 (0%)	0/45 (0%)	0/46 (0%)
FIRST INCIDENCE	656	667	730 (T)	636	---	---
<b>STATISTICAL TESTS</b>						
LIFE TABLE	P=0.115	P=0.095	P=0.443	P=0.513	(e)	(e)
POLY 3	P=0.078	P=0.067	P=0.431	P=0.500	(e)	(e)
POLY 1.5	P=0.070	P=0.063	P=0.425	P=0.497	(e)	(e)
POLY 6	P=0.092	P=0.073	P=0.440	P=0.507	(e)	(e)
LOGISTIC REGRESSION	P=0.084	P=0.073	P=0.443	P=0.497	(e)	(e)
COCH-ARM / FISHERS	P=0.063	P=0.062	P=0.398	P=0.497	(e)	(e)
ORDER RESTRICTED	(e)	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	(e)

**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**

Aspartame

CAS Number: 22839-47-0

Date Report Requested: 01/28/2008

Time Report Requested: 17:57:48

First Dose M/F: 06/27/97 / 06/27/97

Lab: CRC

Test Type: CHRONIC-LIFETIME

Route: DOSED FEED

Species/Strain: RATS/SD

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
TERMINAL SACRIFICE AT 105 WEEKS**

---

**Females**

**DOSE**                      **0 PPM**

---

**Ovary  
Fibroangioma**

---

**TUMOR RATES**

OVERALL (a)	0/150 (0%)
POLY-3 RATE (b)	0/98.69
POLY-3 PERCENT (g)	0%
TERMINAL (d)	0/40 (0%)
FIRST INCIDENCE	---

---

**STATISTICAL TESTS**

LIFE TABLE	P=0.004**
POLY 3	P<0.001**
POLY 1.5	P<0.001**
POLY 6	P=0.002**
LOGISTIC REGRESSION	P=0.002**
COCH-ARM / FISHERS	P<0.001**
ORDER RESTRICTED	P=0.013*
MAX-ISO-POLY-3	P=0.003**

---

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Date Report Requested: 01/28/2008

Test Type: CHRONIC-LIFETIME

Aspartame

Time Report Requested: 17:57:48

Route: DOSED FEED

CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
 TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Females					
	100000 PPM	50000 PPM	10000 PPM	2000 PPM	400 PPM	80 PPM

Ovary  
 Granulosa-Theca Tumor Benign

TUMOR RATES

OVERALL (a)	2/100 (2%)	0/99 (0%)	0/99 (0%)	2/148 (1%)	1/149 (1%)	1/148 (1%)
POLY-3 RATE (b)	2/76.24	0/69.74	0/70.12	2/99.84	1/102.9	1/96.34
POLY-3 PERCENT (g)	2.6%	0%	0%	2%	1%	1%
TERMINAL (d)	1/45 (2%)	0/36 (0%)	0/30 (0%)	0/45 (0%)	0/45 (0%)	1/46 (2%)
FIRST INCIDENCE	623	---	---	407	613	730 (T)

STATISTICAL TESTS

LIFE TABLE	P=0.241	(e)	(e)	P=0.234	P=0.515	P=0.528
POLY 3	P=0.181	(e)	(e)	P=0.241	P=0.508	P=0.495
POLY 1.5	P=0.169	(e)	(e)	P=0.237	P=0.504	P=0.496
POLY 6	P=0.200	(e)	(e)	P=0.249	P=0.515	P=0.498
LOGISTIC REGRESSION	P=0.182	(e)	(e)	P=0.256	P=0.497	P=0.528
COCH-ARM / FISHERS	P=0.159	(e)	(e)	P=0.246	P=0.498	P=0.497
ORDER RESTRICTED	(e)	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	(e)



P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Date Report Requested: 01/28/2008

Test Type: CHRONIC-LIFETIME

Aspartame

Time Report Requested: 17:57:48

Route: DOSED FEED

CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
 TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Females					
	100000 PPM	50000 PPM	10000 PPM	2000 PPM	400 PPM	80 PPM

Ovary  
 Leukemia Lymphoblastic

TUMOR RATES

OVERALL (a)	0/100 (0%)	0/99 (0%)	0/99 (0%)	2/148 (1%)	0/149 (0%)	0/148 (0%)
POLY-3 RATE (b)	0/75.87	0/69.74	0/70.12	2/100.56	0/102.49	0/96.34
POLY-3 PERCENT (g)	0%	0%	0%	2%	0%	0%
TERMINAL (d)	0/45 (0%)	0/36 (0%)	0/30 (0%)	0/45 (0%)	0/45 (0%)	0/46 (0%)
FIRST INCIDENCE	---	---	---	100	---	---

STATISTICAL TESTS

LIFE TABLE	(e)	(e)	(e)	P=0.238	(e)	(e)
POLY 3	(e)	(e)	(e)	P=0.243	(e)	(e)
POLY 1.5	(e)	(e)	(e)	P=0.239	(e)	(e)
POLY 6	(e)	(e)	(e)	P=0.250	(e)	(e)
LOGISTIC REGRESSION	(e)	(e)	(e)	P=0.805	(e)	(e)
COCH-ARM / FISHERS	(e)	(e)	(e)	P=0.246	(e)	(e)
ORDER RESTRICTED	(e)	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	(e)

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Date Report Requested: 01/28/2008

Test Type: CHRONIC-LIFETIME

Aspartame

Time Report Requested: 17:57:48

Route: DOSED FEED

CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
TERMINAL SACRIFICE AT 105 WEEKS

Females

DOSE 0 PPM

Ovary  
Leukemia Lymphoblastic

TUMOR RATES

OVERALL (a)	0/150 (0%)
POLY-3 RATE (b)	0/98.69
POLY-3 PERCENT (g)	0%
TERMINAL (d)	0/40 (0%)
FIRST INCIDENCE	---

STATISTICAL TESTS

LIFE TABLE	P=0.436N
POLY 3	P=0.429N
POLY 1.5	P=0.433N
POLY 6	P=0.423N
LOGISTIC REGRESSION	P=0.523N
COCH-ARM / FISHERS	P=0.435N
ORDER RESTRICTED	P=0.450
MAX-ISO-POLY-3	P=0.455

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Date Report Requested: 01/28/2008

Test Type: CHRONIC-LIFETIME

Aspartame

Time Report Requested: 17:57:48

Route: DOSED FEED

CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
 TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Females					
	100000 PPM	50000 PPM	10000 PPM	2000 PPM	400 PPM	80 PPM

Ovary  
 Leukemia Monocytic

TUMOR RATES

OVERALL (a)	2/100 (2%)	1/99 (1%)	0/99 (0%)	0/148 (0%)	1/149 (1%)	1/148 (1%)
POLY-3 RATE (b)	2/75.87	1/70.25	0/70.12	0/98.59	1/103.15	1/96.37
POLY-3 PERCENT (g)	2.6%	1.4%	0%	0%	1%	1%
TERMINAL (d)	2/45 (4%)	0/36 (0%)	0/30 (0%)	0/45 (0%)	0/45 (0%)	0/46 (0%)
FIRST INCIDENCE	730 (T)	575	---	---	509	723

STATISTICAL TESTS

LIFE TABLE	P=0.265	P=0.419	(e)	(e)	P=0.505	P=0.527
POLY 3	P=0.180	P=0.432	(e)	(e)	P=0.509	P=0.495
POLY 1.5	P=0.168	P=0.425	(e)	(e)	P=0.504	P=0.496
POLY 6	P=0.198	P=0.442	(e)	(e)	P=0.516	P=0.498
LOGISTIC REGRESSION	P=0.265	P=0.407	(e)	(e)	P=0.481	P=0.515
COCH-ARM / FISHERS	P=0.159	P=0.398	(e)	(e)	P=0.498	P=0.497
ORDER RESTRICTED	(e)	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	(e)





P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Date Report Requested: 01/28/2008

Test Type: CHRONIC-LIFETIME

Aspartame

Time Report Requested: 17:57:48

Route: DOSED FEED

CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
 TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Females					
	100000 PPM	50000 PPM	10000 PPM	2000 PPM	400 PPM	80 PPM

Pancreas  
 Leukemia Myeloid

TUMOR RATES

OVERALL (a)	2/99 (2%)	0/99 (0%)	0/99 (0%)	1/149 (1%)	0/147 (0%)	0/149 (0%)
POLY-3 RATE (b)	2/76.5	0/69.74	0/70.12	1/98.85	0/101.39	0/96.39
POLY-3 PERCENT (g)	2.6%	0%	0%	1%	0%	0%
TERMINAL (d)	1/45 (2%)	0/36 (0%)	0/30 (0%)	0/45 (0%)	0/45 (0%)	0/46 (0%)
FIRST INCIDENCE	331	---	---	729	---	---

STATISTICAL TESTS

LIFE TABLE	P=0.211	(e)	(e)	P=0.532	(e)	(e)
POLY 3	P=0.181	(e)	(e)	P=0.500	(e)	(e)
POLY 1.5	P=0.169	(e)	(e)	P=0.498	(e)	(e)
POLY 6	P=0.201	(e)	(e)	P=0.505	(e)	(e)
LOGISTIC REGRESSION	P=0.106	(e)	(e)	P=0.530	(e)	(e)
COCH-ARM / FISHERS	P=0.157	(e)	(e)	P=0.498	(e)	(e)
ORDER RESTRICTED	(e)	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	(e)

**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**

Aspartame

CAS Number: 22839-47-0

Date Report Requested: 01/28/2008

Time Report Requested: 17:57:48

First Dose M/F: 06/27/97 / 06/27/97

Lab: CRC

Test Type: CHRONIC-LIFETIME

Route: DOSED FEED

Species/Strain: RATS/SD

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
TERMINAL SACRIFICE AT 105 WEEKS**

---

**Females**

**DOSE**                      **0 PPM**

---

**Pancreas  
Leukemia Myeloid**

---

**TUMOR RATES**

OVERALL (a)	0/150 (0%)
POLY-3 RATE (b)	0/98.69
POLY-3 PERCENT (g)	0%
TERMINAL (d)	0/40 (0%)
FIRST INCIDENCE	---

---

**STATISTICAL TESTS**

LIFE TABLE	P=0.034*
POLY 3	P=0.018*
POLY 1.5	P=0.016*
POLY 6	P=0.019*
LOGISTIC REGRESSION	P=0.012*
COCH-ARM / FISHERS	P=0.015*
ORDER RESTRICTED	P=0.010**
MAX-ISO-POLY-3	P=0.013*

---

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Date Report Requested: 01/28/2008

Test Type: CHRONIC-LIFETIME

Aspartame

Time Report Requested: 17:57:48

Route: DOSED FEED

CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
 TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Females					
	100000 PPM	50000 PPM	10000 PPM	2000 PPM	400 PPM	80 PPM

Parathyroid Gland  
 Adenoma

TUMOR RATES

OVERALL (a)	0/95 (0%)	0/100 (0%)	0/99 (0%)	1/150 (1%)	1/148 (1%)	2/148 (1%)
POLY-3 RATE (b)	0/72.02	0/70.59	0/70.12	1/98.95	1/102.18	2/96.29
POLY-3 PERCENT (g)	0%	0%	0%	1%	1%	2.1%
TERMINAL (d)	0/42 (0%)	0/36 (0%)	0/30 (0%)	1/45 (2%)	1/45 (2%)	1/45 (2%)
FIRST INCIDENCE	---	---	---	730 (T)	730 (T)	628

STATISTICAL TESTS

LIFE TABLE	(e)	(e)	(e)	P=0.562	P=0.562	P=0.279
POLY 3	(e)	(e)	(e)	P=0.531	P=0.537	P=0.267
POLY 1.5	(e)	(e)	(e)	P=0.528	P=0.532	P=0.267
POLY 6	(e)	(e)	(e)	P=0.538	P=0.545	P=0.272
LOGISTIC REGRESSION	(e)	(e)	(e)	P=0.562	P=0.562	P=0.270
COCH-ARM / FISHERS	(e)	(e)	(e)	P=0.538	P=0.534	P=0.285
ORDER RESTRICTED	(e)	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	(e)

**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**

Aspartame

CAS Number: 22839-47-0

Date Report Requested: 01/28/2008

Time Report Requested: 17:57:48

First Dose M/F: 06/27/97 / 06/27/97

Lab: CRC

Test Type: CHRONIC-LIFETIME

Route: DOSED FEED

Species/Strain: RATS/SD

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
TERMINAL SACRIFICE AT 105 WEEKS**

---

**Females**

**DOSE**                      **0 PPM**

---

**Parathyroid Gland  
Adenoma**

---

**TUMOR RATES**

OVERALL (a)	0/129 (0%)
POLY-3 RATE (b)	0/84.72
POLY-3 PERCENT (g)	0%
TERMINAL (d)	0/33 (0%)
FIRST INCIDENCE	---

---

**STATISTICAL TESTS**

LIFE TABLE	P=0.190N
POLY 3	P=0.234N
POLY 1.5	P=0.238N
POLY 6	P=0.226N
LOGISTIC REGRESSION	P=0.208N
COCH-ARM / FISHERS	P=0.242N
ORDER RESTRICTED	P=0.398N
MAX-ISO-POLY-3	P=0.382N

---

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Date Report Requested: 01/28/2008

Test Type: CHRONIC-LIFETIME

Aspartame

Time Report Requested: 17:57:48

Route: DOSED FEED

CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
 TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Females					
	100000 PPM	50000 PPM	10000 PPM	2000 PPM	400 PPM	80 PPM

Peripheral Nerve  
 Schwannoma Benign

TUMOR RATES	#	#	#	#	#	#
OVERALL (a)	0/100 (0%)	0/100 (0%)	0/100 (0%)	2/150 (1%)	0/150 (0%)	0/150 (0%)
POLY-3 RATE (b)	0/75.87	0/70.59	0/70.68	2/99.71	0/102.84	0/97.16
POLY-3 PERCENT (g)	0%	0%	0%	2%	0%	0%
TERMINAL (d)	0/45 (0%)	0/36 (0%)	0/30 (0%)	1/45 (2%)	0/45 (0%)	0/46 (0%)
FIRST INCIDENCE	---	---	---	454	---	---

STATISTICAL TESTS

LIFE TABLE	(e)	(e)	(e)	P=0.250	(e)	(e)
POLY 3	(e)	(e)	(e)	P=0.241	(e)	(e)
POLY 1.5	(e)	(e)	(e)	P=0.238	(e)	(e)
POLY 6	(e)	(e)	(e)	P=0.247	(e)	(e)
LOGISTIC REGRESSION	(e)	(e)	(e)	P=0.241	(e)	(e)
COCH-ARM / FISHERS	(e)	(e)	(e)	P=0.249	(e)	(e)
ORDER RESTRICTED	(e)	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	(e)

**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**

Aspartame

CAS Number: 22839-47-0

Date Report Requested: 01/28/2008

Time Report Requested: 17:57:48

First Dose M/F: 06/27/97 / 06/27/97

Lab: CRC

Test Type: CHRONIC-LIFETIME

Route: DOSED FEED

Species/Strain: RATS/SD

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
TERMINAL SACRIFICE AT 105 WEEKS**

---

**Females**

**DOSE**                      **0 PPM**

---

**Peripheral Nerve  
Schwannoma Benign**

---

<b>TUMOR RATES</b>	#
OVERALL (a)	0/150 (0%)
POLY-3 RATE (b)	0/98.69
POLY-3 PERCENT (g)	0%
TERMINAL (d)	0/40 (0%)
FIRST INCIDENCE	---

---

**STATISTICAL TESTS**

LIFE TABLE	P=0.394N
POLY 3	P=0.433N
POLY 1.5	P=0.436N
POLY 6	P=0.427N
LOGISTIC REGRESSION	P=0.448N
COCH-ARM / FISHERS	P=0.437N
ORDER RESTRICTED	P=0.451
MAX-ISO-POLY-3	P=0.454

---

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Date Report Requested: 01/28/2008

Test Type: CHRONIC-LIFETIME

Aspartame

Time Report Requested: 17:57:48

Route: DOSED FEED

CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
 TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Females					
	100000 PPM	50000 PPM	10000 PPM	2000 PPM	400 PPM	80 PPM

Peripheral Nerve  
 Schwannoma Malignant

TUMOR RATES	#	#	#	#	#	#
OVERALL (a)	2/100 (2%)	1/100 (1%)	1/100 (1%)	3/150 (2%)	0/150 (0%)	2/150 (1%)
POLY-3 RATE (b)	2/76.81	1/71.08	1/70.87	3/100.05	0/102.84	2/98.56
POLY-3 PERCENT (g)	2.6%	1.4%	1.4%	3%	0%	2%
TERMINAL (d)	1/45 (2%)	0/36 (0%)	0/30 (0%)	1/45 (2%)	0/45 (0%)	0/46 (0%)
FIRST INCIDENCE	275	586	680	361	---	440

STATISTICAL TESTS

LIFE TABLE	P=0.208	P=0.426	P=0.451	P=0.132	(e)	P=0.224
POLY 3	P=0.182	P=0.434	P=0.433	P=0.124	(e)	P=0.238
POLY 1.5	P=0.170	P=0.427	P=0.427	P=0.122	(e)	P=0.238
POLY 6	P=0.202	P=0.445	P=0.442	P=0.129	(e)	P=0.242
LOGISTIC REGRESSION	P=0.099	P=0.411	P=0.437	P=0.125	(e)	P=0.244
COCH-ARM / FISHERS	P=0.159	P=0.400	P=0.400	P=0.124	(e)	P=0.249
ORDER RESTRICTED	(e)	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	(e)



**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**

Aspartame

CAS Number: 22839-47-0

Date Report Requested: 01/28/2008

Time Report Requested: 17:57:48

First Dose M/F: 06/27/97 / 06/27/97

Lab: CRC

Test Type: CHRONIC-LIFETIME

Route: DOSED FEED

Species/Strain: RATS/SD

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
TERMINAL SACRIFICE AT 105 WEEKS**

---

**Females**

**DOSE**                      **0 PPM**

---

**Peripheral Nerve  
Schwannoma Malignant**

---

<b>TUMOR RATES</b>	#
OVERALL (a)	0/150 (0%)
POLY-3 RATE (b)	0/98.69
POLY-3 PERCENT (g)	0%
TERMINAL (d)	0/40 (0%)
FIRST INCIDENCE	---

---

**STATISTICAL TESTS**

LIFE TABLE	P=0.288
POLY 3	P=0.259
POLY 1.5	P=0.239
POLY 6	P=0.289
LOGISTIC REGRESSION	P=0.162
COCH-ARM / FISHERS	P=0.214
ORDER RESTRICTED	P=0.139
MAX-ISO-POLY-3	P=0.150

---

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Date Report Requested: 01/28/2008

Test Type: CHRONIC-LIFETIME

Aspartame

Time Report Requested: 17:57:48

Route: DOSED FEED

CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
 TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Females					
	100000 PPM	50000 PPM	10000 PPM	2000 PPM	400 PPM	80 PPM

Peripheral Nerve  
 Schwannoma: Benign, Malignant, NOS

TUMOR RATES	#	#	#	#	#	#
OVERALL (a)	2/100 (2%)	1/100 (1%)	1/100 (1%)	5/150 (3%)	0/150 (0%)	2/150 (1%)
POLY-3 RATE (b)	2/76.81	1/71.08	1/70.87	5/100.81	0/102.84	2/98.56
POLY-3 PERCENT (g)	2.6%	1.4%	1.4%	5%	0%	2%
TERMINAL (d)	1/45 (2%)	0/36 (0%)	0/30 (0%)	2/45 (4%)	0/45 (0%)	0/46 (0%)
FIRST INCIDENCE	275	586	680	361	---	440

STATISTICAL TESTS

LIFE TABLE	P=0.208	P=0.426	P=0.451	P=0.041*	(e)	P=0.224
POLY 3	P=0.182	P=0.434	P=0.433	P=0.036*	(e)	P=0.238
POLY 1.5	P=0.170	P=0.427	P=0.427	P=0.035*	(e)	P=0.238
POLY 6	P=0.202	P=0.445	P=0.442	P=0.039*	(e)	P=0.242
LOGISTIC REGRESSION	P=0.099	P=0.411	P=0.437	P=0.036*	(e)	P=0.244
COCH-ARM / FISHERS	P=0.159	P=0.400	P=0.400	P=0.030*	(e)	P=0.249
ORDER RESTRICTED	(e)	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	(e)



P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Date Report Requested: 01/28/2008

Test Type: CHRONIC-LIFETIME

Aspartame

Time Report Requested: 17:57:48

Route: DOSED FEED

CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
 TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Females					
	100000 PPM	50000 PPM	10000 PPM	2000 PPM	400 PPM	80 PPM
<b>Peritoneum</b>						
<b>Leukemia Monocytic</b>						
<b>TUMOR RATES</b>	#	#	#	#	#	#
OVERALL (a)	1/100 (1%)	1/100 (1%)	0/100 (0%)	0/150 (0%)	3/150 (2%)	2/150 (1%)
POLY-3 RATE (b)	1/75.87	1/71.11	0/70.68	0/98.95	3/103.53	2/97.19
POLY-3 PERCENT (g)	1.3%	1.4%	0%	0%	2.9%	2.1%
TERMINAL (d)	1/45 (2%)	0/36 (0%)	0/30 (0%)	0/45 (0%)	0/45 (0%)	1/46 (2%)
FIRST INCIDENCE	730 (T)	575	---	---	509	723
<b>STATISTICAL TESTS</b>						
LIFE TABLE	P=0.523	P=0.419	(e)	(e)	P=0.150	P=0.271
POLY 3	P=0.447	P=0.434	(e)	(e)	P=0.130	P=0.235
POLY 1.5	P=0.435	P=0.427	(e)	(e)	P=0.127	P=0.236
POLY 6	P=0.465	P=0.445	(e)	(e)	P=0.136	P=0.237
LOGISTIC REGRESSION	P=0.523	P=0.409	(e)	(e)	P=0.128	P=0.259
COCH-ARM / FISHERS	P=0.400	P=0.400	(e)	(e)	P=0.124	P=0.249
ORDER RESTRICTED	(e)	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	(e)

**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**

Aspartame

CAS Number: 22839-47-0

Date Report Requested: 01/28/2008

Time Report Requested: 17:57:48

First Dose M/F: 06/27/97 / 06/27/97

Lab: CRC

Test Type: CHRONIC-LIFETIME

Route: DOSED FEED

Species/Strain: RATS/SD

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
TERMINAL SACRIFICE AT 105 WEEKS**

---

**Females**

**DOSE**                      **0 PPM**

---

**Peritoneum  
Leukemia Monocytic**

---

<b>TUMOR RATES</b>	#
OVERALL (a)	0/150 (0%)
POLY-3 RATE (b)	0/98.69
POLY-3 PERCENT (g)	0%
TERMINAL (d)	0/40 (0%)
FIRST INCIDENCE	---

---

**STATISTICAL TESTS**

LIFE TABLE	P=0.598N
POLY 3	P=0.561
POLY 1.5	P=0.538
POLY 6	P=0.593
LOGISTIC REGRESSION	P=0.552
COCH-ARM / FISHERS	P=0.505
ORDER RESTRICTED	P=0.387
MAX-ISO-POLY-3	P=0.392

---

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Date Report Requested: 01/28/2008

Test Type: CHRONIC-LIFETIME

Aspartame

Time Report Requested: 17:57:48

Route: DOSED FEED

CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
 TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Females					
	100000 PPM	50000 PPM	10000 PPM	2000 PPM	400 PPM	80 PPM
<b>Peritoneum</b>						
<b>Leukemia Myeloid</b>						
<b>TUMOR RATES</b>	#	#	#	#	#	#
OVERALL (a)	2/100 (2%)	0/100 (0%)	0/100 (0%)	1/150 (1%)	0/150 (0%)	0/150 (0%)
POLY-3 RATE (b)	2/76.77	0/70.59	0/70.68	1/98.96	0/102.84	0/97.16
POLY-3 PERCENT (g)	2.6%	0%	0%	1%	0%	0%
TERMINAL (d)	1/45 (2%)	0/36 (0%)	0/30 (0%)	0/45 (0%)	0/45 (0%)	0/46 (0%)
FIRST INCIDENCE	331	---	---	729	---	---
<b>STATISTICAL TESTS</b>						
LIFE TABLE	P=0.211	(e)	(e)	P=0.532	(e)	(e)
POLY 3	P=0.182	(e)	(e)	P=0.501	(e)	(e)
POLY 1.5	P=0.170	(e)	(e)	P=0.498	(e)	(e)
POLY 6	P=0.202	(e)	(e)	P=0.505	(e)	(e)
LOGISTIC REGRESSION	P=0.110	(e)	(e)	P=0.530	(e)	(e)
COCH-ARM / FISHERS	P=0.159	(e)	(e)	P=0.500	(e)	(e)
ORDER RESTRICTED	(e)	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	(e)

**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**

Aspartame

CAS Number: 22839-47-0

Date Report Requested: 01/28/2008

Time Report Requested: 17:57:48

First Dose M/F: 06/27/97 / 06/27/97

Lab: CRC

Test Type: CHRONIC-LIFETIME

Route: DOSED FEED

Species/Strain: RATS/SD

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
TERMINAL SACRIFICE AT 105 WEEKS**

---

**Females**

**DOSE**                      **0 PPM**

---

**Peritoneum**  
**Leukemia Myeloid**

---

<b>TUMOR RATES</b>	#
OVERALL (a)	0/150 (0%)
POLY-3 RATE (b)	0/98.69
POLY-3 PERCENT (g)	0%
TERMINAL (d)	0/40 (0%)
FIRST INCIDENCE	---

---

**STATISTICAL TESTS**

LIFE TABLE	P=0.034*
POLY 3	P=0.018*
POLY 1.5	P=0.016*
POLY 6	P=0.019*
LOGISTIC REGRESSION	P=0.012*
COCH-ARM / FISHERS	P=0.015*
ORDER RESTRICTED	P=0.010**
MAX-ISO-POLY-3	P=0.013*

---

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Date Report Requested: 01/28/2008

Test Type: CHRONIC-LIFETIME

Aspartame

Time Report Requested: 17:57:48

Route: DOSED FEED

CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
 TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Females					
	100000 PPM	50000 PPM	10000 PPM	2000 PPM	400 PPM	80 PPM
<b>Peritoneum</b>						
<b>Lymphoma Lympho-immunoblastic</b>						
<b>TUMOR RATES</b>	#	#	#	#	#	#
OVERALL (a)	0/100 (0%)	1/100 (1%)	0/100 (0%)	0/150 (0%)	1/150 (1%)	0/150 (0%)
POLY-3 RATE (b)	0/75.87	1/70.59	0/70.68	0/98.95	1/102.84	0/97.16
POLY-3 PERCENT (g)	0%	1.4%	0%	0%	1%	0%
TERMINAL (d)	0/45 (0%)	1/36 (3%)	0/30 (0%)	0/45 (0%)	1/45 (2%)	0/46 (0%)
FIRST INCIDENCE	---	730 (T)	---	---	730 (T)	---
<b>STATISTICAL TESTS</b>						
LIFE TABLE	(e)	P=0.479	(e)	(e)	P=0.523	(e)
POLY 3	(e)	P=0.433	(e)	(e)	P=0.508	(e)
POLY 1.5	(e)	P=0.427	(e)	(e)	P=0.505	(e)
POLY 6	(e)	P=0.442	(e)	(e)	P=0.514	(e)
LOGISTIC REGRESSION	(e)	P=0.479	(e)	(e)	P=0.523	(e)
COCH-ARM / FISHERS	(e)	P=0.400	(e)	(e)	P=0.500	(e)
ORDER RESTRICTED	(e)	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	(e)



P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Date Report Requested: 01/28/2008

Test Type: CHRONIC-LIFETIME

Aspartame

Time Report Requested: 17:57:48

Route: DOSED FEED

CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
TERMINAL SACRIFICE AT 105 WEEKS

Females

DOSE 0 PPM

Peritoneum  
Lymphoma Lympho-immunoblastic

TUMOR RATES	#
OVERALL (a)	0/150 (0%)
POLY-3 RATE (b)	0/98.69
POLY-3 PERCENT (g)	0%
TERMINAL (d)	0/40 (0%)
FIRST INCIDENCE	---

STATISTICAL TESTS

LIFE TABLE	P=0.660
POLY 3	P=0.656
POLY 1.5	P=0.631
POLY 6	P=0.689
LOGISTIC REGRESSION	(e)
COCH-ARM / FISHERS	P=0.594
ORDER RESTRICTED	P=0.419
MAX-ISO-POLY-3	P=0.422

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Date Report Requested: 01/28/2008

Test Type: CHRONIC-LIFETIME

Aspartame

Time Report Requested: 17:57:48

Route: DOSED FEED

CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
 TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Females					
	100000 PPM	50000 PPM	10000 PPM	2000 PPM	400 PPM	80 PPM
<b>Peritoneum</b>						
<b>Lymphoma Malignant Lymphocytic</b>						
<b>TUMOR RATES</b>	#	#	#	#	#	#
OVERALL (a)	0/100 (0%)	2/100 (2%)	1/100 (1%)	0/150 (0%)	0/150 (0%)	0/150 (0%)
POLY-3 RATE (b)	0/75.87	2/70.59	1/70.8	0/98.95	0/102.84	0/97.16
POLY-3 PERCENT (g)	0%	2.8%	1.4%	0%	0%	0%
TERMINAL (d)	0/45 (0%)	2/36 (6%)	0/30 (0%)	0/45 (0%)	0/45 (0%)	0/46 (0%)
FIRST INCIDENCE	---	730 (T)	701	---	---	---
<b>STATISTICAL TESTS</b>						
LIFE TABLE	P=0.477N	P=0.463	P=0.708	P=0.477N	P=0.477N	P=0.472N
POLY 3	P=0.553N	P=0.384	P=0.686	P=0.499N	P=0.492N	P=0.503N
POLY 1.5	P=0.565N	P=0.374	P=0.679	P=0.502N	P=0.495N	P=0.502N
POLY 6	P=0.535N	P=0.400	P=0.697	P=0.495N	P=0.486N	P=0.501N
LOGISTIC REGRESSION	(e)	P=0.463	P=0.710	(e)	(e)	(e)
COCH-ARM / FISHERS	P=0.600N	P=0.351	P=0.641	P=0.500N	P=0.500N	P=0.500N
ORDER RESTRICTED	(e)	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	(e)

**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**

Aspartame

CAS Number: 22839-47-0

Date Report Requested: 01/28/2008

Time Report Requested: 17:57:48

First Dose M/F: 06/27/97 / 06/27/97

Lab: CRC

Test Type: CHRONIC-LIFETIME

Route: DOSED FEED

Species/Strain: RATS/SD

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
TERMINAL SACRIFICE AT 105 WEEKS**

---

**Females**

**DOSE**                      **0 PPM**

---

**Peritoneum  
Lymphoma Malignant Lymphocytic**

---

<b>TUMOR RATES</b>	<b>#</b>
OVERALL (a)	1/150 (1%)
POLY-3 RATE (b)	1/98.69
POLY-3 PERCENT (g)	1%
TERMINAL (d)	1/40 (3%)
FIRST INCIDENCE	730 (T)

---

**STATISTICAL TESTS**

LIFE TABLE	P=0.540
POLY 3	P=0.507
POLY 1.5	P=0.473
POLY 6	P=0.552
LOGISTIC REGRESSION	P=0.517
COCH-ARM / FISHERS	P=0.426
ORDER RESTRICTED	P=0.345
MAX-ISO-POLY-3	P=0.352

---

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Date Report Requested: 01/28/2008

Test Type: CHRONIC-LIFETIME

Aspartame

Time Report Requested: 17:57:48

Route: DOSED FEED

CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
 TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Females					
	100000 PPM	50000 PPM	10000 PPM	2000 PPM	400 PPM	80 PPM

Pituitary Gland: Pars Distalis or Unspecified Site  
 Adenoma

TUMOR RATES

OVERALL (a)	31/98 (32%)	35/100 (35%)	27/100 (27%)	37/150 (25%)	34/148 (23%)	29/150 (19%)
POLY-3 RATE (b)	31/79.5	35/79.13	27/73.37	37/108.11	34/107.24	29/102.96
POLY-3 PERCENT (g)	39%	44.2%	36.8%	34.2%	31.7%	28.2%
TERMINAL (d)	18/45 (40%)	17/36 (47%)	15/30 (50%)	15/45 (33%)	17/45 (38%)	13/46 (28%)
FIRST INCIDENCE	472	419	554	341	492	460

STATISTICAL TESTS

LIFE TABLE	P=0.018N*	P=0.255N	P=0.061N	P=0.037N*	P=0.009N**	P=0.003N**
POLY 3	P=0.193N	P=0.455N	P=0.125N	P=0.041N*	P=0.016N*	P=0.003N**
POLY 1.5	P=0.260N	P=0.506N	P=0.121N	P=0.043N*	P=0.016N*	P=0.003N**
POLY 6	P=0.122N	P=0.402N	P=0.142N	P=0.041N*	P=0.018N*	P=0.005N**
LOGISTIC REGRESSION	P=0.190N	P=0.502N	P=0.065N	P=0.041N*	P=0.010N**	P=0.002N**
COCH-ARM / FISHERS	P=0.375N	P=0.518	P=0.135N	P=0.042N*	P=0.020N*	P=0.002N**
ORDER RESTRICTED	(e)	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	(e)

**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**

**Test Type:** CHRONIC-LIFETIME  
**Route:** DOSED FEED  
**Species/Strain:** RATS/SD

Aspartame  
**CAS Number:** 22839-47-0

**Date Report Requested:** 01/28/2008  
**Time Report Requested:** 17:57:48  
**First Dose M/F:** 06/27/97 / 06/27/97  
**Lab:** CRC

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
TERMINAL SACRIFICE AT 105 WEEKS**

---

**Females**

**DOSE**                      **0 PPM**

---

**Pituitary Gland: Pars Distalis or Unspecified Site  
Adenoma**

---

**TUMOR RATES**

OVERALL (a)	51/148 (34%)
POLY-3 RATE (b)	51/110.64
POLY-3 PERCENT (g)	46.1%
TERMINAL (d)	16/40 (40%)
FIRST INCIDENCE	456

---

**STATISTICAL TESTS**

LIFE TABLE	P=0.422N
POLY 3	P=0.153
POLY 1.5	P=0.088
POLY 6	P=0.286
LOGISTIC REGRESSION	P=0.136
COCH-ARM / FISHERS	P=0.038*
ORDER RESTRICTED	P=0.094N
MAX-ISO-POLY-3	P=0.111N

---

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Date Report Requested: 01/28/2008

Test Type: CHRONIC-LIFETIME

Aspartame

Time Report Requested: 17:57:48

Route: DOSED FEED

CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
 TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Females					
	100000 PPM	50000 PPM	10000 PPM	2000 PPM	400 PPM	80 PPM

Pituitary Gland: Pars Distalis or Unspecified Site  
 Carcinoma

TUMOR RATES

OVERALL (a)	0/98 (0%)	3/100 (3%)	1/100 (1%)	3/150 (2%)	3/148 (2%)	1/150 (1%)
POLY-3 RATE (b)	0/74.57	3/71.29	1/71.31	3/99.49	3/103.03	1/97.16
POLY-3 PERCENT (g)	0%	4.2%	1.4%	3%	2.9%	1%
TERMINAL (d)	0/45 (0%)	1/36 (3%)	0/30 (0%)	1/45 (2%)	1/45 (2%)	1/46 (2%)
FIRST INCIDENCE	---	619	524	564	449	730 (T)

STATISTICAL TESTS

LIFE TABLE	(e)	P=0.091	P=0.422	P=0.140	P=0.132	P=0.528
POLY 3	(e)	P=0.071	P=0.437	P=0.126	P=0.132	P=0.500
POLY 1.5	(e)	P=0.067	P=0.431	P=0.123	P=0.128	P=0.501
POLY 6	(e)	P=0.078	P=0.447	P=0.130	P=0.139	P=0.502
LOGISTIC REGRESSION	(e)	P=0.071	P=0.387	P=0.127	P=0.115	P=0.528
COCH-ARM / FISHERS	(e)	P=0.064	P=0.403	P=0.126	P=0.124	P=0.503
ORDER RESTRICTED	(e)	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	(e)

**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**

**Test Type:** CHRONIC-LIFETIME  
**Route:** DOSED FEED  
**Species/Strain:** RATS/SD

Aspartame  
**CAS Number:** 22839-47-0

**Date Report Requested:** 01/28/2008  
**Time Report Requested:** 17:57:48  
**First Dose M/F:** 06/27/97 / 06/27/97  
**Lab:** CRC

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
TERMINAL SACRIFICE AT 105 WEEKS**

---

**Females**

**DOSE**                      **0 PPM**

---

**Pituitary Gland: Pars Distalis or Unspecified Site  
Carcinoma**

---

**TUMOR RATES**

OVERALL (a)	0/148 (0%)
POLY-3 RATE (b)	0/97.3
POLY-3 PERCENT (g)	0%
TERMINAL (d)	0/40 (0%)
FIRST INCIDENCE	---

---

**STATISTICAL TESTS**

LIFE TABLE	P=0.355N
POLY 3	P=0.397N
POLY 1.5	P=0.430N
POLY 6	P=0.352N
LOGISTIC REGRESSION	P=0.462N
COCH-ARM / FISHERS	P=0.475N
ORDER RESTRICTED	P=0.233
MAX-ISO-POLY-3	P=0.242

---

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Date Report Requested: 01/28/2008

Test Type: CHRONIC-LIFETIME

Aspartame

Time Report Requested: 17:57:48

Route: DOSED FEED

CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
 TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Females					
	100000 PPM	50000 PPM	10000 PPM	2000 PPM	400 PPM	80 PPM

Pituitary Gland: Pars Distalis or Unspecified Site  
 Carcinoma or Adenoma

TUMOR RATES

OVERALL (a)	31/98 (32%)	38/100 (38%)	28/100 (28%)	40/150 (27%)	37/148 (25%)	30/150 (20%)
POLY-3 RATE (b)	31/79.5	38/79.82	28/74	40/108.65	37/108.63	30/102.96
POLY-3 PERCENT (g)	39%	47.6%	37.8%	36.8%	34.1%	29.1%
TERMINAL (d)	18/45 (40%)	18/36 (50%)	15/30 (50%)	16/45 (36%)	18/45 (40%)	14/46 (30%)
FIRST INCIDENCE	472	419	524	341	449	460

STATISTICAL TESTS

LIFE TABLE	P=0.018N*	P=0.396N	P=0.083N	P=0.075N	P=0.024N*	P=0.004N**
POLY 3	P=0.193N	P=0.475	P=0.157N	P=0.093N	P=0.039N*	P=0.006N**
POLY 1.5	P=0.260N	P=0.416	P=0.156N	P=0.096N	P=0.040N*	P=0.004N**
POLY 6	P=0.122N	P=0.548	P=0.171N	P=0.093N	P=0.041N*	P=0.007N**
LOGISTIC REGRESSION	P=0.190N	P=0.416	P=0.093N	P=0.090N	P=0.030N*	P=0.004N**
COCH-ARM / FISHERS	P=0.375N	P=0.331	P=0.176N	P=0.091N	P=0.049N*	P=0.004N**
ORDER RESTRICTED	(e)	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	(e)



**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**

**Date Report Requested:** 01/28/2008

**Test Type:** CHRONIC-LIFETIME

Aspartame

**Time Report Requested:** 17:57:48

**Route:** DOSED FEED

**CAS Number:** 22839-47-0

**First Dose M/F:** 06/27/97 / 06/27/97

**Species/Strain:** RATS/SD

**Lab:** CRC

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
TERMINAL SACRIFICE AT 105 WEEKS**

---

**Females**

**DOSE**                      **0 PPM**

---

**Pituitary Gland: Pars Distalis or Unspecified Site  
Carcinoma or Adenoma**

---

**TUMOR RATES**

OVERALL (a)	51/148 (34%)
POLY-3 RATE (b)	51/110.64
POLY-3 PERCENT (g)	46.1%
TERMINAL (d)	16/40 (40%)
FIRST INCIDENCE	456

---

**STATISTICAL TESTS**

LIFE TABLE	P=0.372N
POLY 3	P=0.181
POLY 1.5	P=0.106
POLY 6	P=0.328
LOGISTIC REGRESSION	P=0.157
COCH-ARM / FISHERS	P=0.046*
ORDER RESTRICTED	P=0.165N
MAX-ISO-POLY-3	P=0.186N

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P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Date Report Requested: 01/28/2008

Test Type: CHRONIC-LIFETIME

Aspartame

Time Report Requested: 17:57:48

Route: DOSED FEED

CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
 TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Females					
	100000 PPM	50000 PPM	10000 PPM	2000 PPM	400 PPM	80 PPM

Pituitary Gland: Pars Distalis or Unspecified Site  
 Leukemia Myeloid

TUMOR RATES

OVERALL (a)	1/98 (1%)	0/100 (0%)	0/100 (0%)	0/150 (0%)	0/148 (0%)	0/150 (0%)
POLY-3 RATE (b)	1/75.48	0/70.59	0/70.68	0/98.95	0/101.64	0/97.16
POLY-3 PERCENT (g)	1.3%	0%	0%	0%	0%	0%
TERMINAL (d)	0/45 (0%)	0/36 (0%)	0/30 (0%)	0/45 (0%)	0/45 (0%)	0/46 (0%)
FIRST INCIDENCE	331	---	---	---	---	---

STATISTICAL TESTS

LIFE TABLE	P=0.425	(e)	(e)	(e)	(e)	(e)
POLY 3	P=0.449	(e)	(e)	(e)	(e)	(e)
POLY 1.5	P=0.435	(e)	(e)	(e)	(e)	(e)
POLY 6	P=0.468	(e)	(e)	(e)	(e)	(e)
LOGISTIC REGRESSION	P=0.259	(e)	(e)	(e)	(e)	(e)
COCH-ARM / FISHERS	P=0.398	(e)	(e)	(e)	(e)	(e)
ORDER RESTRICTED	(e)	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	(e)

Test Type: CHRONIC-LIFETIME

Aspartame

Time Report Requested: 17:57:48

Route: DOSED FEED

CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
 TERMINAL SACRIFICE AT 105 WEEKS

Females

DOSE 0 PPM

Pituitary Gland: Pars Distalis or Unspecified Site  
 Leukemia Myeloid

TUMOR RATES

OVERALL (a)	0/148 (0%)
POLY-3 RATE (b)	0/97.3
POLY-3 PERCENT (g)	0%
TERMINAL (d)	0/40 (0%)
FIRST INCIDENCE	---

STATISTICAL TESTS

LIFE TABLE	P=0.043*
POLY 3	P=0.047*
POLY 1.5	P=0.044*
POLY 6	P=0.051
LOGISTIC REGRESSION	P=0.009**
COCH-ARM / FISHERS	P=0.040*
ORDER RESTRICTED	P=0.027*
MAX-ISO-POLY-3	P=0.031*

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Date Report Requested: 01/28/2008

Test Type: CHRONIC-LIFETIME

Aspartame

Time Report Requested: 17:57:48

Route: DOSED FEED

CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
 TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Females					
	100000 PPM	50000 PPM	10000 PPM	2000 PPM	400 PPM	80 PPM
<b>Pleura</b>						
<b>Leukemia Lymphoblastic</b>						
<b>TUMOR RATES</b>	#	#	#	#	#	#
OVERALL (a)	0/100 (0%)	0/100 (0%)	0/100 (0%)	2/150 (1%)	0/150 (0%)	0/150 (0%)
POLY-3 RATE (b)	0/75.87	0/70.59	0/70.68	2/100.93	0/102.84	0/97.16
POLY-3 PERCENT (g)	0%	0%	0%	2%	0%	0%
TERMINAL (d)	0/45 (0%)	0/36 (0%)	0/30 (0%)	0/45 (0%)	0/45 (0%)	0/46 (0%)
FIRST INCIDENCE	---	---	---	100	---	---
<b>STATISTICAL TESTS</b>						
LIFE TABLE	(e)	(e)	(e)	P=0.238	(e)	(e)
POLY 3	(e)	(e)	(e)	P=0.243	(e)	(e)
POLY 1.5	(e)	(e)	(e)	P=0.240	(e)	(e)
POLY 6	(e)	(e)	(e)	P=0.250	(e)	(e)
LOGISTIC REGRESSION	(e)	(e)	(e)	P=0.806	(e)	(e)
COCH-ARM / FISHERS	(e)	(e)	(e)	P=0.249	(e)	(e)
ORDER RESTRICTED	(e)	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	(e)

**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**

Aspartame

CAS Number: 22839-47-0

Date Report Requested: 01/28/2008

Time Report Requested: 17:57:48

First Dose M/F: 06/27/97 / 06/27/97

Lab: CRC

Test Type: CHRONIC-LIFETIME

Route: DOSED FEED

Species/Strain: RATS/SD

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)**

**TERMINAL SACRIFICE AT 105 WEEKS**

---

**Females**

**DOSE**                      **0 PPM**

---

**Pleura**  
**Leukemia Lymphoblastic**

---

<b>TUMOR RATES</b>	#
OVERALL (a)	0/150 (0%)
POLY-3 RATE (b)	0/98.69
POLY-3 PERCENT (g)	0%
TERMINAL (d)	0/40 (0%)
FIRST INCIDENCE	---

---

**STATISTICAL TESTS**

LIFE TABLE	P=0.436N
POLY 3	P=0.431N
POLY 1.5	P=0.434N
POLY 6	P=0.425N
LOGISTIC REGRESSION	P=0.525N
COCH-ARM / FISHERS	P=0.437N
ORDER RESTRICTED	P=0.453
MAX-ISO-POLY-3	P=0.456

---

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Date Report Requested: 01/28/2008

Test Type: CHRONIC-LIFETIME

Aspartame

Time Report Requested: 17:57:48

Route: DOSED FEED

CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
 TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Females					
	100000 PPM	50000 PPM	10000 PPM	2000 PPM	400 PPM	80 PPM
<b>Pleura</b>						
<b>Leukemia Monocytic</b>						
<b>TUMOR RATES</b>	#	#	#	#	#	#
OVERALL (a)	0/100 (0%)	1/100 (1%)	0/100 (0%)	0/150 (0%)	0/150 (0%)	2/150 (1%)
POLY-3 RATE (b)	0/75.87	1/71.11	0/70.68	0/98.95	0/102.84	2/97.19
POLY-3 PERCENT (g)	0%	1.4%	0%	0%	0%	2.1%
TERMINAL (d)	0/45 (0%)	0/36 (0%)	0/30 (0%)	0/45 (0%)	0/45 (0%)	1/46 (2%)
FIRST INCIDENCE	---	575	---	---	---	723
<b>STATISTICAL TESTS</b>						
LIFE TABLE	(e)	P=0.419	(e)	(e)	(e)	P=0.271
POLY 3	(e)	P=0.434	(e)	(e)	(e)	P=0.235
POLY 1.5	(e)	P=0.427	(e)	(e)	(e)	P=0.236
POLY 6	(e)	P=0.445	(e)	(e)	(e)	P=0.237
LOGISTIC REGRESSION	(e)	P=0.409	(e)	(e)	(e)	P=0.259
COCH-ARM / FISHERS	(e)	P=0.400	(e)	(e)	(e)	P=0.249
ORDER RESTRICTED	(e)	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	(e)

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Date Report Requested: 01/28/2008

Test Type: CHRONIC-LIFETIME

Aspartame

Time Report Requested: 17:57:48

Route: DOSED FEED

CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
TERMINAL SACRIFICE AT 105 WEEKS

Females

DOSE 0 PPM

Pleura  
Leukemia Monocytic

TUMOR RATES	#
OVERALL (a)	0/150 (0%)
POLY-3 RATE (b)	0/98.69
POLY-3 PERCENT (g)	0%
TERMINAL (d)	0/40 (0%)
FIRST INCIDENCE	---

STATISTICAL TESTS

LIFE TABLE	P=0.566N
POLY 3	P=0.621N
POLY 1.5	P=0.630N
POLY 6	P=0.606N
LOGISTIC REGRESSION	P=0.607N
COCH-ARM / FISHERS	P=0.642N
ORDER RESTRICTED	P=0.325N
MAX-ISO-POLY-3	P=0.333N

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Date Report Requested: 01/28/2008

Test Type: CHRONIC-LIFETIME

Aspartame

Time Report Requested: 17:57:48

Route: DOSED FEED

CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
 TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Females					
	100000 PPM	50000 PPM	10000 PPM	2000 PPM	400 PPM	80 PPM

Pleura  
 Lymphoma Lympho-immunoblastic

TUMOR RATES	#	#	#	#	#	#
OVERALL (a)	0/100 (0%)	1/100 (1%)	0/100 (0%)	0/150 (0%)	0/150 (0%)	3/150 (2%)
POLY-3 RATE (b)	0/75.87	1/70.79	0/70.68	0/98.95	0/102.84	3/99.01
POLY-3 PERCENT (g)	0%	1.4%	0%	0%	0%	3%
TERMINAL (d)	0/45 (0%)	0/36 (0%)	0/30 (0%)	0/45 (0%)	0/45 (0%)	0/46 (0%)
FIRST INCIDENCE	---	679	---	---	---	431

STATISTICAL TESTS

LIFE TABLE	(e)	P=0.460	(e)	(e)	(e)	P=0.118
POLY 3	(e)	P=0.433	(e)	(e)	(e)	P=0.122
POLY 1.5	(e)	P=0.427	(e)	(e)	(e)	P=0.122
POLY 6	(e)	P=0.444	(e)	(e)	(e)	P=0.126
LOGISTIC REGRESSION	(e)	P=0.437	(e)	(e)	(e)	P=0.127
COCH-ARM / FISHERS	(e)	P=0.400	(e)	(e)	(e)	P=0.124
ORDER RESTRICTED	(e)	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	(e)



**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**

Aspartame

CAS Number: 22839-47-0

Date Report Requested: 01/28/2008

Time Report Requested: 17:57:48

First Dose M/F: 06/27/97 / 06/27/97

Lab: CRC

Test Type: CHRONIC-LIFETIME

Route: DOSED FEED

Species/Strain: RATS/SD

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
TERMINAL SACRIFICE AT 105 WEEKS**

---

**Females**

**DOSE**                      **0 PPM**

---

**Pleura**  
**Lymphoma Lympho-immunoblastic**

---

<b>TUMOR RATES</b>	#
OVERALL (a)	0/150 (0%)
POLY-3 RATE (b)	0/98.69
POLY-3 PERCENT (g)	0%
TERMINAL (d)	0/40 (0%)
FIRST INCIDENCE	---

---

**STATISTICAL TESTS**

LIFE TABLE	P=0.475N
POLY 3	P=0.489N
POLY 1.5	P=0.500N
POLY 6	P=0.469N
LOGISTIC REGRESSION	P=0.554N
COCH-ARM / FISHERS	P=0.515N
ORDER RESTRICTED	P=0.202N
MAX-ISO-POLY-3	P=0.213N

---

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Date Report Requested: 01/28/2008

Test Type: CHRONIC-LIFETIME

Aspartame

Time Report Requested: 17:57:48

Route: DOSED FEED

CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
 TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Females					
	100000 PPM	50000 PPM	10000 PPM	2000 PPM	400 PPM	80 PPM
<b>Pleura Neoplasms NOS</b>						
<b>TUMOR RATES</b>	#	#	#	#	#	#
OVERALL (a)	0/100 (0%)	1/100 (1%)	2/100 (2%)	1/150 (1%)	0/150 (0%)	0/150 (0%)
POLY-3 RATE (b)	0/75.87	1/70.59	2/70.97	1/99.08	0/102.84	0/97.16
POLY-3 PERCENT (g)	0%	1.4%	2.8%	1%	0%	0%
TERMINAL (d)	0/45 (0%)	1/36 (3%)	0/30 (0%)	0/45 (0%)	0/45 (0%)	0/46 (0%)
FIRST INCIDENCE	---	730 (T)	684	698	---	---
<b>STATISTICAL TESTS</b>						
LIFE TABLE	(e)	P=0.479	P=0.194	P=0.518	(e)	(e)
POLY 3	(e)	P=0.433	P=0.167	P=0.501	(e)	(e)
POLY 1.5	(e)	P=0.427	P=0.162	P=0.498	(e)	(e)
POLY 6	(e)	P=0.442	P=0.176	P=0.506	(e)	(e)
LOGISTIC REGRESSION	(e)	P=0.479	P=0.177	P=0.508	(e)	(e)
COCH-ARM / FISHERS	(e)	P=0.400	P=0.159	P=0.500	(e)	(e)
ORDER RESTRICTED	(e)	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	(e)

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Date Report Requested: 01/28/2008

Test Type: CHRONIC-LIFETIME

Aspartame

Time Report Requested: 17:57:48

Route: DOSED FEED

CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)

TERMINAL SACRIFICE AT 105 WEEKS

Females

DOSE 0 PPM

Pleura  
Neoplasms NOS

TUMOR RATES	#
OVERALL (a)	0/150 (0%)
POLY-3 RATE (b)	0/98.69
POLY-3 PERCENT (g)	0%
TERMINAL (d)	0/40 (0%)
FIRST INCIDENCE	---

STATISTICAL TESTS

LIFE TABLE	P=0.542N
POLY 3	P=0.596N
POLY 1.5	P=0.617N
POLY 6	P=0.566N
LOGISTIC REGRESSION	P=0.578N
COCH-ARM / FISHERS	P=0.645N
ORDER RESTRICTED	P=0.248
MAX-ISO-POLY-3	P=0.259

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Date Report Requested: 01/28/2008

Test Type: CHRONIC-LIFETIME

Aspartame

Time Report Requested: 17:57:48

Route: DOSED FEED

CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
 TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Females					
	100000 PPM	50000 PPM	10000 PPM	2000 PPM	400 PPM	80 PPM

Salivary Glands  
 Leukemia Myeloid

TUMOR RATES

OVERALL (a)	1/100 (1%)	0/100 (0%)	0/100 (0%)	1/150 (1%)	0/149 (0%)	0/150 (0%)
POLY-3 RATE (b)	1/76.77	0/70.59	0/70.68	1/98.96	0/102.49	0/97.16
POLY-3 PERCENT (g)	1.3%	0%	0%	1%	0%	0%
TERMINAL (d)	0/45 (0%)	0/36 (0%)	0/30 (0%)	0/45 (0%)	0/45 (0%)	0/46 (0%)
FIRST INCIDENCE	331	---	---	729	---	---

STATISTICAL TESTS

LIFE TABLE	P=0.425	(e)	(e)	P=0.532	(e)	(e)
POLY 3	P=0.449	(e)	(e)	P=0.501	(e)	(e)
POLY 1.5	P=0.436	(e)	(e)	P=0.498	(e)	(e)
POLY 6	P=0.468	(e)	(e)	P=0.505	(e)	(e)
LOGISTIC REGRESSION	P=0.259	(e)	(e)	P=0.530	(e)	(e)
COCH-ARM / FISHERS	P=0.400	(e)	(e)	P=0.500	(e)	(e)
ORDER RESTRICTED	(e)	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	(e)

**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**

Aspartame

CAS Number: 22839-47-0

Date Report Requested: 01/28/2008

Time Report Requested: 17:57:48

First Dose M/F: 06/27/97 / 06/27/97

Lab: CRC

Test Type: CHRONIC-LIFETIME

Route: DOSED FEED

Species/Strain: RATS/SD

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
TERMINAL SACRIFICE AT 105 WEEKS**

---

**Females**

**DOSE**                      **0 PPM**

---

**Salivary Glands  
Leukemia Myeloid**

---

**TUMOR RATES**

OVERALL (a)	0/150 (0%)
POLY-3 RATE (b)	0/98.69
POLY-3 PERCENT (g)	0%
TERMINAL (d)	0/40 (0%)
FIRST INCIDENCE	---

---

**STATISTICAL TESTS**

LIFE TABLE	P=0.235
POLY 3	P=0.211
POLY 1.5	P=0.201
POLY 6	P=0.225
LOGISTIC REGRESSION	P=0.151
COCH-ARM / FISHERS	P=0.190
ORDER RESTRICTED	P=0.118
MAX-ISO-POLY-3	P=0.130

---

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Date Report Requested: 01/28/2008

Test Type: CHRONIC-LIFETIME

Aspartame

Time Report Requested: 17:57:48

Route: DOSED FEED

CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
 TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Females					
	100000 PPM	50000 PPM	10000 PPM	2000 PPM	400 PPM	80 PPM
<b>Skeletal Muscle</b>						
<b>Leukemia Myeloid</b>						
<b>TUMOR RATES</b>	#	#	#	#	#	#
OVERALL (a)	2/100 (2%)	0/100 (0%)	0/100 (0%)	1/150 (1%)	0/150 (0%)	0/150 (0%)
POLY-3 RATE (b)	2/76.77	0/70.59	0/70.68	1/98.96	0/102.84	0/97.16
POLY-3 PERCENT (g)	2.6%	0%	0%	1%	0%	0%
TERMINAL (d)	1/45 (2%)	0/36 (0%)	0/30 (0%)	0/45 (0%)	0/45 (0%)	0/46 (0%)
FIRST INCIDENCE	331	---	---	729	---	---
<b>STATISTICAL TESTS</b>						
LIFE TABLE	P=0.211	(e)	(e)	P=0.532	(e)	(e)
POLY 3	P=0.182	(e)	(e)	P=0.501	(e)	(e)
POLY 1.5	P=0.170	(e)	(e)	P=0.498	(e)	(e)
POLY 6	P=0.202	(e)	(e)	P=0.505	(e)	(e)
LOGISTIC REGRESSION	P=0.110	(e)	(e)	P=0.530	(e)	(e)
COCH-ARM / FISHERS	P=0.159	(e)	(e)	P=0.500	(e)	(e)
ORDER RESTRICTED	(e)	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	(e)

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Date Report Requested: 01/28/2008

Test Type: CHRONIC-LIFETIME

Aspartame

Time Report Requested: 17:57:48

Route: DOSED FEED

CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
TERMINAL SACRIFICE AT 105 WEEKS

Females

DOSE 0 PPM

Skeletal Muscle  
Leukemia Myeloid

TUMOR RATES	#
OVERALL (a)	0/150 (0%)
POLY-3 RATE (b)	0/98.69
POLY-3 PERCENT (g)	0%
TERMINAL (d)	0/40 (0%)
FIRST INCIDENCE	---

STATISTICAL TESTS

LIFE TABLE	P=0.034*
POLY 3	P=0.018*
POLY 1.5	P=0.016*
POLY 6	P=0.019*
LOGISTIC REGRESSION	P=0.012*
COCH-ARM / FISHERS	P=0.015*
ORDER RESTRICTED	P=0.010**
MAX-ISO-POLY-3	P=0.013*

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Date Report Requested: 01/28/2008

Test Type: CHRONIC-LIFETIME

Aspartame

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Route: DOSED FEED

CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
 TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Females					
	100000 PPM	50000 PPM	10000 PPM	2000 PPM	400 PPM	80 PPM
<b>Skin</b>						
<b>Fibrolipoma</b>						
<b>TUMOR RATES</b>	#	#	#	#	#	#
OVERALL (a)	0/100 (0%)	0/100 (0%)	0/100 (0%)	0/150 (0%)	0/150 (0%)	0/150 (0%)
POLY-3 RATE (b)	0/75.87	0/70.59	0/70.68	0/98.95	0/102.84	0/97.16
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	0%
TERMINAL (d)	0/45 (0%)	0/36 (0%)	0/30 (0%)	0/45 (0%)	0/45 (0%)	0/46 (0%)
FIRST INCIDENCE	---	---	---	---	---	---
<b>STATISTICAL TESTS</b>						
LIFE TABLE	P=0.560N	P=0.585N	P=0.576N	P=0.504N	P=0.498N	P=0.516N
POLY 3	P=0.554N	P=0.568N	P=0.568N	P=0.500N	P=0.493N	P=0.504N
POLY 1.5	P=0.566N	P=0.574N	P=0.573N	P=0.502N	P=0.496N	P=0.503N
POLY 6	P=0.537N	P=0.560N	P=0.561N	P=0.496N	P=0.488N	P=0.503N
LOGISTIC REGRESSION	P=0.608N	P=0.591N	P=0.595N	P=0.496N	P=0.507N	P=0.497N
COCH-ARM / FISHERS	P=0.600N	P=0.600N	P=0.600N	P=0.500N	P=0.500N	P=0.500N
ORDER RESTRICTED	(e)	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	(e)



P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Date Report Requested: 01/28/2008

Test Type: CHRONIC-LIFETIME

Aspartame

Time Report Requested: 17:57:48

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CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
TERMINAL SACRIFICE AT 105 WEEKS

Females

DOSE 0 PPM

Skin  
Fibrolipoma

TUMOR RATES	#
OVERALL (a)	1/150 (1%)
POLY-3 RATE (b)	1/99.2
POLY-3 PERCENT (g)	1%
TERMINAL (d)	0/40 (0%)
FIRST INCIDENCE	578

STATISTICAL TESTS

LIFE TABLE	P=0.566N
POLY 3	P=0.595N
POLY 1.5	P=0.589N
POLY 6	P=0.603N
LOGISTIC REGRESSION	P=0.599N
COCH-ARM / FISHERS	P=0.582N
ORDER RESTRICTED	P=0.089N
MAX-ISO-POLY-3	P=0.101N

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Date Report Requested: 01/28/2008

Test Type: CHRONIC-LIFETIME

Aspartame

Time Report Requested: 17:57:48

Route: DOSED FEED

CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
 TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Females					
	100000 PPM	50000 PPM	10000 PPM	2000 PPM	400 PPM	80 PPM
<b>Skin Fibroma</b>						
<b>TUMOR RATES</b>	#	#	#	#	#	#
OVERALL (a)	0/100 (0%)	1/100 (1%)	1/100 (1%)	0/150 (0%)	1/150 (1%)	1/150 (1%)
POLY-3 RATE (b)	0/75.87	1/70.59	1/70.68	0/98.95	1/102.84	1/97.16
POLY-3 PERCENT (g)	0%	1.4%	1.4%	0%	1%	1%
TERMINAL (d)	0/45 (0%)	1/36 (3%)	1/30 (3%)	0/45 (0%)	1/45 (2%)	1/46 (2%)
FIRST INCIDENCE	---	730 (T)	730 (T)	---	730 (T)	730 (T)
<b>STATISTICAL TESTS</b>						
LIFE TABLE	(e)	P=0.479	P=0.443	(e)	P=0.523	P=0.528
POLY 3	(e)	P=0.433	P=0.433	(e)	P=0.508	P=0.497
POLY 1.5	(e)	P=0.427	P=0.427	(e)	P=0.505	P=0.498
POLY 6	(e)	P=0.442	P=0.441	(e)	P=0.514	P=0.499
LOGISTIC REGRESSION	(e)	P=0.479	P=0.443	(e)	P=0.523	P=0.528
COCH-ARM / FISHERS	(e)	P=0.400	P=0.400	(e)	P=0.500	P=0.500
ORDER RESTRICTED	(e)	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	(e)

**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**

Aspartame

CAS Number: 22839-47-0

Date Report Requested: 01/28/2008

Time Report Requested: 17:57:48

First Dose M/F: 06/27/97 / 06/27/97

Lab: CRC

Test Type: CHRONIC-LIFETIME

Route: DOSED FEED

Species/Strain: RATS/SD

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
TERMINAL SACRIFICE AT 105 WEEKS**

---

**Females**

**DOSE**                      **0 PPM**

---

**Skin  
Fibroma**

---

<b>TUMOR RATES</b>	#
OVERALL (a)	0/150 (0%)
POLY-3 RATE (b)	0/98.69
POLY-3 PERCENT (g)	0%
TERMINAL (d)	0/40 (0%)
FIRST INCIDENCE	---

---

**STATISTICAL TESTS**

LIFE TABLE	P=0.456N
POLY 3	P=0.536N
POLY 1.5	P=0.553N
POLY 6	P=0.511N
LOGISTIC REGRESSION	(e)
COCH-ARM / FISHERS	P=0.577N
ORDER RESTRICTED	P=0.439
MAX-ISO-POLY-3	P=0.442

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P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Date Report Requested: 01/28/2008

Test Type: CHRONIC-LIFETIME

Aspartame

Time Report Requested: 17:57:48

Route: DOSED FEED

CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
 TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Females					
	100000 PPM	50000 PPM	10000 PPM	2000 PPM	400 PPM	80 PPM

**Skin**  
 Fibroma, Fibrosarcoma, Sarcoma, Myxoma, Myxosarcoma, or Fibrous Histiocytoma

TUMOR RATES	#	#	#	#	#	#
OVERALL (a)	1/100 (1%)	1/100 (1%)	1/100 (1%)	1/150 (1%)	2/150 (1%)	3/150 (2%)
POLY-3 RATE (b)	1/76.67	1/70.59	1/70.68	1/98.95	2/103.47	3/97.41
POLY-3 PERCENT (g)	1.3%	1.4%	1.4%	1%	1.9%	3.1%
TERMINAL (d)	0/45 (0%)	1/36 (3%)	1/30 (3%)	1/45 (2%)	1/45 (2%)	2/46 (4%)
FIRST INCIDENCE	426	730 (T)	730 (T)	730 (T)	526	662

STATISTICAL TESTS

LIFE TABLE	P=0.733	P=0.738	P=0.696	P=0.735N	P=0.527	P=0.349
POLY 3	P=0.706	P=0.686	P=0.686	P=0.760N	P=0.516	P=0.302
POLY 1.5	P=0.689	P=0.678	P=0.678	P=0.759	P=0.509	P=0.303
POLY 6	P=0.728	P=0.698	P=0.697	P=0.755N	P=0.528	P=0.307
LOGISTIC REGRESSION	P=0.639	P=0.738	P=0.696	P=0.735N	P=0.513	P=0.320
COCH-ARM / FISHERS	P=0.641	P=0.641	P=0.641	P=0.751N	P=0.500	P=0.311
ORDER RESTRICTED	(e)	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	(e)

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Date Report Requested: 01/28/2008

Test Type: CHRONIC-LIFETIME

Aspartame

Time Report Requested: 17:57:48

Route: DOSED FEED

CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
TERMINAL SACRIFICE AT 105 WEEKS

Females

DOSE 0 PPM

Skin  
Fibroma, Fibrosarcoma, Sarcoma, Myxoma, Myxosarcoma, or Fibrous Histiocytoma

TUMOR RATES	#
OVERALL (a)	1/150 (1%)
POLY-3 RATE (b)	1/98.69
POLY-3 PERCENT (g)	1%
TERMINAL (d)	1/40 (3%)
FIRST INCIDENCE	730 (T)

STATISTICAL TESTS

LIFE TABLE	P=0.381N
POLY 3	P=0.476N
POLY 1.5	P=0.496N
POLY 6	P=0.448N
LOGISTIC REGRESSION	P=0.468N
COCH-ARM / FISHERS	P=0.524N
ORDER RESTRICTED	P=0.645N
MAX-ISO-POLY-3	P=0.641N

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Date Report Requested: 01/28/2008

Test Type: CHRONIC-LIFETIME

Aspartame

Time Report Requested: 17:57:48

Route: DOSED FEED

CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
 TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Females					
	100000 PPM	50000 PPM	10000 PPM	2000 PPM	400 PPM	80 PPM
<b>Skin</b>						
<b>Fibrosarcoma</b>						
<b>TUMOR RATES</b>	#	#	#	#	#	#
OVERALL (a)	1/100 (1%)	0/100 (0%)	0/100 (0%)	1/150 (1%)	1/150 (1%)	2/150 (1%)
POLY-3 RATE (b)	1/76.67	0/70.59	0/70.68	1/98.95	1/103.47	2/97.41
POLY-3 PERCENT (g)	1.3%	0%	0%	1%	1%	2.1%
TERMINAL (d)	0/45 (0%)	0/36 (0%)	0/30 (0%)	1/45 (2%)	0/45 (0%)	1/46 (2%)
FIRST INCIDENCE	426	---	---	730 (T)	526	662
<b>STATISTICAL TESTS</b>						
LIFE TABLE	P=0.733	P=0.521N	P=0.557N	P=0.735N	P=0.747N	P=0.537
POLY 3	P=0.706	P=0.567N	P=0.567N	P=0.760N	P=0.750N	P=0.495
POLY 1.5	P=0.689	P=0.573N	P=0.573N	P=0.759	P=0.755N	P=0.496
POLY 6	P=0.728	P=0.558N	P=0.559N	P=0.755N	P=0.743N	P=0.501
LOGISTIC REGRESSION	P=0.639	(e)	(e)	P=0.735N	P=0.760N	P=0.509
COCH-ARM / FISHERS	P=0.641	P=0.600N	P=0.600N	P=0.751N	P=0.751N	P=0.500
ORDER RESTRICTED	(e)	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	(e)

**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**

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Lab: CRC

Test Type: CHRONIC-LIFETIME

Route: DOSED FEED

Species/Strain: RATS/SD

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
TERMINAL SACRIFICE AT 105 WEEKS**

---

**Females**

**DOSE**                      **0 PPM**

---

**Skin  
Fibrosarcoma**

---

<b>TUMOR RATES</b>	#
OVERALL (a)	1/150 (1%)
POLY-3 RATE (b)	1/98.69
POLY-3 PERCENT (g)	1%
TERMINAL (d)	1/40 (3%)
FIRST INCIDENCE	730 (T)

---

**STATISTICAL TESTS**

LIFE TABLE	P=0.496N
POLY 3	P=0.577N
POLY 1.5	P=0.583N
POLY 6	P=0.567N
LOGISTIC REGRESSION	P=0.582N
COCH-ARM / FISHERS	P=0.591N
ORDER RESTRICTED	P=0.457N
MAX-ISO-POLY-3	P=0.458N

---

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

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Test Type: CHRONIC-LIFETIME

Aspartame

Time Report Requested: 17:57:48

Route: DOSED FEED

CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
 TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Females					
	100000 PPM	50000 PPM	10000 PPM	2000 PPM	400 PPM	80 PPM

Skin  
 Leukemia Lymphoblastic

TUMOR RATES	#	#	#	#	#	#
OVERALL (a)	0/100 (0%)	0/100 (0%)	0/100 (0%)	2/150 (1%)	0/150 (0%)	0/150 (0%)
POLY-3 RATE (b)	0/75.87	0/70.59	0/70.68	2/100.93	0/102.84	0/97.16
POLY-3 PERCENT (g)	0%	0%	0%	2%	0%	0%
TERMINAL (d)	0/45 (0%)	0/36 (0%)	0/30 (0%)	0/45 (0%)	0/45 (0%)	0/46 (0%)
FIRST INCIDENCE	---	---	---	100	---	---

STATISTICAL TESTS

LIFE TABLE	(e)	(e)	(e)	P=0.238	(e)	(e)
POLY 3	(e)	(e)	(e)	P=0.243	(e)	(e)
POLY 1.5	(e)	(e)	(e)	P=0.240	(e)	(e)
POLY 6	(e)	(e)	(e)	P=0.250	(e)	(e)
LOGISTIC REGRESSION	(e)	(e)	(e)	P=0.806	(e)	(e)
COCH-ARM / FISHERS	(e)	(e)	(e)	P=0.249	(e)	(e)
ORDER RESTRICTED	(e)	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	(e)



**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**

Aspartame

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First Dose M/F: 06/27/97 / 06/27/97

Lab: CRC

Test Type: CHRONIC-LIFETIME

Route: DOSED FEED

Species/Strain: RATS/SD

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
TERMINAL SACRIFICE AT 105 WEEKS**

---

**Females**

**DOSE**                      **0 PPM**

---

**Skin**  
**Leukemia Lymphoblastic**

---

<b>TUMOR RATES</b>	#
OVERALL (a)	0/150 (0%)
POLY-3 RATE (b)	0/98.69
POLY-3 PERCENT (g)	0%
TERMINAL (d)	0/40 (0%)
FIRST INCIDENCE	---

---

**STATISTICAL TESTS**

LIFE TABLE	P=0.436N
POLY 3	P=0.431N
POLY 1.5	P=0.434N
POLY 6	P=0.425N
LOGISTIC REGRESSION	P=0.525N
COCH-ARM / FISHERS	P=0.437N
ORDER RESTRICTED	P=0.453
MAX-ISO-POLY-3	P=0.456

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P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Date Report Requested: 01/28/2008

Test Type: CHRONIC-LIFETIME

Aspartame

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Route: DOSED FEED

CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
 TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Females					
	100000 PPM	50000 PPM	10000 PPM	2000 PPM	400 PPM	80 PPM

Skin  
 Leukemia Myeloid

TUMOR RATES	#	#	#	#	#	#
OVERALL (a)	1/100 (1%)	0/100 (0%)	0/100 (0%)	0/150 (0%)	0/150 (0%)	0/150 (0%)
POLY-3 RATE (b)	1/76.77	0/70.59	0/70.68	0/98.95	0/102.84	0/97.16
POLY-3 PERCENT (g)	1.3%	0%	0%	0%	0%	0%
TERMINAL (d)	0/45 (0%)	0/36 (0%)	0/30 (0%)	0/45 (0%)	0/45 (0%)	0/46 (0%)
FIRST INCIDENCE	331	---	---	---	---	---

STATISTICAL TESTS

LIFE TABLE	P=0.425	(e)	(e)	(e)	(e)	(e)
POLY 3	P=0.449	(e)	(e)	(e)	(e)	(e)
POLY 1.5	P=0.436	(e)	(e)	(e)	(e)	(e)
POLY 6	P=0.468	(e)	(e)	(e)	(e)	(e)
LOGISTIC REGRESSION	P=0.259	(e)	(e)	(e)	(e)	(e)
COCH-ARM / FISHERS	P=0.400	(e)	(e)	(e)	(e)	(e)
ORDER RESTRICTED	(e)	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	(e)

**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**

Aspartame

CAS Number: 22839-47-0

Date Report Requested: 01/28/2008

Time Report Requested: 17:57:48

First Dose M/F: 06/27/97 / 06/27/97

Lab: CRC

Test Type: CHRONIC-LIFETIME

Route: DOSED FEED

Species/Strain: RATS/SD

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
TERMINAL SACRIFICE AT 105 WEEKS**

---

**Females**

**DOSE**                      **0 PPM**

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**Skin**  
**Leukemia Myeloid**

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<b>TUMOR RATES</b>	#
OVERALL (a)	0/150 (0%)
POLY-3 RATE (b)	0/98.69
POLY-3 PERCENT (g)	0%
TERMINAL (d)	0/40 (0%)
FIRST INCIDENCE	---

---

**STATISTICAL TESTS**

LIFE TABLE	P=0.043*
POLY 3	P=0.048*
POLY 1.5	P=0.045*
POLY 6	P=0.052
LOGISTIC REGRESSION	P=0.010**
COCH-ARM / FISHERS	P=0.041*
ORDER RESTRICTED	P=0.027*
MAX-ISO-POLY-3	P=0.032*

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P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Date Report Requested: 01/28/2008

Test Type: CHRONIC-LIFETIME

Aspartame

Time Report Requested: 17:57:48

Route: DOSED FEED

CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
 TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Females					
	100000 PPM	50000 PPM	10000 PPM	2000 PPM	400 PPM	80 PPM
<b>Skin</b>						
<b>Lipoma</b>						
<b>TUMOR RATES</b>	#	#	#	#	#	#
OVERALL (a)	0/100 (0%)	0/100 (0%)	0/100 (0%)	0/150 (0%)	0/150 (0%)	0/150 (0%)
POLY-3 RATE (b)	0/75.87	0/70.59	0/70.68	0/98.95	0/102.84	0/97.16
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	0%
TERMINAL (d)	0/45 (0%)	0/36 (0%)	0/30 (0%)	0/45 (0%)	0/45 (0%)	0/46 (0%)
FIRST INCIDENCE	---	---	---	---	---	---
<b>STATISTICAL TESTS</b>						
LIFE TABLE	(e)	(e)	(e)	(e)	(e)	(e)
POLY 3	(e)	(e)	(e)	(e)	(e)	(e)
POLY 1.5	(e)	(e)	(e)	(e)	(e)	(e)
POLY 6	(e)	(e)	(e)	(e)	(e)	(e)
LOGISTIC REGRESSION	(e)	(e)	(e)	(e)	(e)	(e)
COCH-ARM / FISHERS	(e)	(e)	(e)	(e)	(e)	(e)
ORDER RESTRICTED	(e)	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	(e)

**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**

Aspartame

CAS Number: 22839-47-0

Date Report Requested: 01/28/2008

Time Report Requested: 17:57:48

First Dose M/F: 06/27/97 / 06/27/97

Lab: CRC

Test Type: CHRONIC-LIFETIME

Route: DOSED FEED

Species/Strain: RATS/SD

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)**

**TERMINAL SACRIFICE AT 105 WEEKS**

---

**Females**

**DOSE**                      **0 PPM**

---

**Skin**  
**Lipoma**

---

<b>TUMOR RATES</b>	#
OVERALL (a)	0/150 (0%)
POLY-3 RATE (b)	0/98.69
POLY-3 PERCENT (g)	0%
TERMINAL (d)	0/40 (0%)
FIRST INCIDENCE	---

---

**STATISTICAL TESTS**

LIFE TABLE	(e)
POLY 3	(e)
POLY 1.5	(e)
POLY 6	(e)
LOGISTIC REGRESSION	(e)
COCH-ARM / FISHERS	(e)
ORDER RESTRICTED	(e)
MAX-ISO-POLY-3	(e)

---

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Date Report Requested: 01/28/2008

Test Type: CHRONIC-LIFETIME

Aspartame

Time Report Requested: 17:57:48

Route: DOSED FEED

CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
 TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Females					
	100000 PPM	50000 PPM	10000 PPM	2000 PPM	400 PPM	80 PPM
<b>Spleen Fibroangioma</b>						
<b>TUMOR RATES</b>						
OVERALL (a)	2/100 (2%)	2/98 (2%)	0/99 (0%)	1/149 (1%)	0/146 (0%)	1/149 (1%)
POLY-3 RATE (b)	2/75.87	2/68.97	0/70.12	1/98.89	0/100.39	1/96.39
POLY-3 PERCENT (g)	2.6%	2.9%	0%	1%	0%	1%
TERMINAL (d)	2/45 (4%)	1/35 (3%)	0/30 (0%)	1/45 (2%)	0/44 (0%)	1/46 (2%)
FIRST INCIDENCE	730 (T)	669	---	730 (T)	---	730 (T)
<b>STATISTICAL TESTS</b>						
LIFE TABLE	P=0.265	P=0.201	(e)	P=0.523	(e)	P=0.528
POLY 3	P=0.180	P=0.162	(e)	P=0.500	(e)	P=0.495
POLY 1.5	P=0.168	P=0.157	(e)	P=0.498	(e)	P=0.496
POLY 6	P=0.198	P=0.170	(e)	P=0.505	(e)	P=0.498
LOGISTIC REGRESSION	P=0.265	P=0.176	(e)	P=0.523	(e)	P=0.528
COCH-ARM / FISHERS	P=0.159	P=0.155	(e)	P=0.498	(e)	P=0.498
ORDER RESTRICTED	(e)	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	(e)

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Date Report Requested: 01/28/2008

Test Type: CHRONIC-LIFETIME

Aspartame

Time Report Requested: 17:57:48

Route: DOSED FEED

CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)

TERMINAL SACRIFICE AT 105 WEEKS

Females

DOSE 0 PPM

Spleen  
Fibroangioma

TUMOR RATES

OVERALL (a)	0/150 (0%)
POLY-3 RATE (b)	0/98.69
POLY-3 PERCENT (g)	0%
TERMINAL (d)	0/40 (0%)
FIRST INCIDENCE	---

STATISTICAL TESTS

LIFE TABLE	P=0.058
POLY 3	P=0.026*
POLY 1.5	P=0.022*
POLY 6	P=0.032*
LOGISTIC REGRESSION	P=0.045*
COCH-ARM / FISHERS	P=0.018*
ORDER RESTRICTED	P=0.056
MAX-ISO-POLY-3	P=0.049*

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Date Report Requested: 01/28/2008

Test Type: CHRONIC-LIFETIME

Aspartame

Time Report Requested: 17:57:48

Route: DOSED FEED

CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
 TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Females					
	100000 PPM	50000 PPM	10000 PPM	2000 PPM	400 PPM	80 PPM
<b>Spleen Fibroma</b>						
<b>TUMOR RATES</b>						
OVERALL (a)	0/100 (0%)	1/98 (1%)	1/99 (1%)	0/149 (0%)	2/146 (1%)	1/149 (1%)
POLY-3 RATE (b)	0/75.87	1/68.74	1/70.12	0/98.89	2/100.89	1/96.5
POLY-3 PERCENT (g)	0%	1.5%	1.4%	0%	2%	1%
TERMINAL (d)	0/45 (0%)	1/35 (3%)	1/30 (3%)	0/45 (0%)	0/44 (0%)	0/46 (0%)
FIRST INCIDENCE	---	730 (T)	730 (T)	---	650	701
<b>STATISTICAL TESTS</b>						
LIFE TABLE	(e)	P=0.473	P=0.443	(e)	P=0.255	P=0.515
POLY 3	(e)	P=0.427	P=0.431	(e)	P=0.243	P=0.496
POLY 1.5	(e)	P=0.422	P=0.425	(e)	P=0.239	P=0.496
POLY 6	(e)	P=0.436	P=0.440	(e)	P=0.251	P=0.498
LOGISTIC REGRESSION	(e)	P=0.473	P=0.443	(e)	P=0.241	P=0.501
COCH-ARM / FISHERS	(e)	P=0.395	P=0.398	(e)	P=0.242	P=0.498
ORDER RESTRICTED	(e)	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	(e)



P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Date Report Requested: 01/28/2008

Test Type: CHRONIC-LIFETIME

Aspartame

Time Report Requested: 17:57:48

Route: DOSED FEED

CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
TERMINAL SACRIFICE AT 105 WEEKS

Females

DOSE 0 PPM

Spleen  
Fibroma

TUMOR RATES

OVERALL (a)	0/150 (0%)
POLY-3 RATE (b)	0/98.69
POLY-3 PERCENT (g)	0%
TERMINAL (d)	0/40 (0%)
FIRST INCIDENCE	---

STATISTICAL TESTS

LIFE TABLE	P=0.372N
POLY 3	P=0.426N
POLY 1.5	P=0.444N
POLY 6	P=0.400N
LOGISTIC REGRESSION	P=0.412N
COCH-ARM / FISHERS	P=0.471N
ORDER RESTRICTED	P=0.445N
MAX-ISO-POLY-3	P=0.450N

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Date Report Requested: 01/28/2008

Test Type: CHRONIC-LIFETIME

Aspartame

Time Report Requested: 17:57:48

Route: DOSED FEED

CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
 TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Females					
	100000 PPM	50000 PPM	10000 PPM	2000 PPM	400 PPM	80 PPM

Spleen  
 Hemangiosarcoma

TUMOR RATES

OVERALL (a)	0/100 (0%)	0/98 (0%)	0/99 (0%)	0/149 (0%)	0/146 (0%)	0/149 (0%)
POLY-3 RATE (b)	0/75.87	0/68.74	0/70.12	0/98.89	0/100.39	0/96.39
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	0%
TERMINAL (d)	0/45 (0%)	0/35 (0%)	0/30 (0%)	0/45 (0%)	0/44 (0%)	0/46 (0%)
FIRST INCIDENCE	---	---	---	---	---	---

STATISTICAL TESTS

LIFE TABLE	P=0.477N	P=0.527N	P=0.557N	P=0.477N	P=0.481N	P=0.472N
POLY 3	P=0.553N	P=0.573N	P=0.569N	P=0.500N	P=0.497N	P=0.505N
POLY 1.5	P=0.565N	P=0.578N	P=0.575N	P=0.502N	P=0.500N	P=0.504N
POLY 6	P=0.535N	P=0.564N	P=0.560N	P=0.495N	P=0.491N	P=0.502N
LOGISTIC REGRESSION	(e)	(e)	(e)	(e)	(e)	(e)
COCH-ARM / FISHERS	P=0.600N	P=0.605N	P=0.602N	P=0.502N	P=0.507N	P=0.502N
ORDER RESTRICTED	(e)	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	(e)

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Date Report Reqsted: 01/28/2008

Test Type: CHRONIC-LIFETIME

Aspartame

Time Report Reqsted: 17:57:48

Route: DOSED FEED

CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
TERMINAL SACRIFICE AT 105 WEEKS

Females

DOSE 0 PPM

Spleen  
Hemangiosarcoma

TUMOR RATES

OVERALL (a)	1/150 (1%)
POLY-3 RATE (b)	1/98.69
POLY-3 PERCENT (g)	1%
TERMINAL (d)	1/40 (3%)
FIRST INCIDENCE	730 (T)

STATISTICAL TESTS

LIFE TABLE	P=0.518N
POLY 3	P=0.597N
POLY 1.5	P=0.590N
POLY 6	P=0.607N
LOGISTIC REGRESSION	P=0.518N
COCH-ARM / FISHERS	P=0.582N
ORDER RESTRICTED	P=0.088N
MAX-ISO-POLY-3	P=0.101N

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Date Report Requested: 01/28/2008

Test Type: CHRONIC-LIFETIME

Aspartame

Time Report Requested: 17:57:48

Route: DOSED FEED

CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
 TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Females					
	100000 PPM	50000 PPM	10000 PPM	2000 PPM	400 PPM	80 PPM

Spleen  
 Leukemia Lymphoblastic

TUMOR RATES

OVERALL (a)	0/100 (0%)	0/98 (0%)	0/99 (0%)	2/149 (1%)	0/146 (0%)	0/149 (0%)
POLY-3 RATE (b)	0/75.87	0/68.74	0/70.12	2/100.86	0/100.39	0/96.39
POLY-3 PERCENT (g)	0%	0%	0%	2%	0%	0%
TERMINAL (d)	0/45 (0%)	0/35 (0%)	0/30 (0%)	0/45 (0%)	0/44 (0%)	0/46 (0%)
FIRST INCIDENCE	---	---	---	100	---	---

STATISTICAL TESTS

LIFE TABLE	(e)	(e)	(e)	P=0.238	(e)	(e)
POLY 3	(e)	(e)	(e)	P=0.243	(e)	(e)
POLY 1.5	(e)	(e)	(e)	P=0.240	(e)	(e)
POLY 6	(e)	(e)	(e)	P=0.250	(e)	(e)
LOGISTIC REGRESSION	(e)	(e)	(e)	P=0.800	(e)	(e)
COCH-ARM / FISHERS	(e)	(e)	(e)	P=0.247	(e)	(e)
ORDER RESTRICTED	(e)	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	(e)

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

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Aspartame

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CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
TERMINAL SACRIFICE AT 105 WEEKS

Females

DOSE 0 PPM

Spleen  
Leukemia Lymphoblastic

TUMOR RATES

OVERALL (a)	0/150 (0%)
POLY-3 RATE (b)	0/98.69
POLY-3 PERCENT (g)	0%
TERMINAL (d)	0/40 (0%)
FIRST INCIDENCE	---

STATISTICAL TESTS

LIFE TABLE	P=0.436N
POLY 3	P=0.430N
POLY 1.5	P=0.433N
POLY 6	P=0.425N
LOGISTIC REGRESSION	P=0.525N
COCH-ARM / FISHERS	P=0.436N
ORDER RESTRICTED	P=0.450
MAX-ISO-POLY-3	P=0.454

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

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Aspartame

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CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
 TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Females					
	100000 PPM	50000 PPM	10000 PPM	2000 PPM	400 PPM	80 PPM
<b>Spleen</b>						
<b>Leukemia Monocytic</b>						
<b>TUMOR RATES</b>						
OVERALL (a)	2/100 (2%)	3/98 (3%)	1/99 (1%)	3/149 (2%)	5/146 (3%)	1/149 (1%)
POLY-3 RATE (b)	2/75.87	3/69.82	1/70.12	3/99.22	5/101.47	1/96.39
POLY-3 PERCENT (g)	2.6%	4.3%	1.4%	3%	4.9%	1%
TERMINAL (d)	2/45 (4%)	1/35 (3%)	1/30 (3%)	1/45 (2%)	1/44 (2%)	1/46 (2%)
FIRST INCIDENCE	730 (T)	550	730 (T)	669	509	730 (T)
<b>STATISTICAL TESTS</b>						
LIFE TABLE	P=0.265	P=0.075	P=0.443	P=0.137	P=0.048*	P=0.528
POLY 3	P=0.180	P=0.066	P=0.431	P=0.122	P=0.036*	P=0.495
POLY 1.5	P=0.168	P=0.062	P=0.425	P=0.120	P=0.035*	P=0.496
POLY 6	P=0.198	P=0.073	P=0.440	P=0.127	P=0.040*	P=0.498
LOGISTIC REGRESSION	P=0.265	P=0.058	P=0.443	P=0.130	P=0.036*	P=0.528
COCH-ARM / FISHERS	P=0.159	P=0.061	P=0.398	P=0.122	P=0.028*	P=0.498
ORDER RESTRICTED	(e)	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	(e)

**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**

Aspartame

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First Dose M/F: 06/27/97 / 06/27/97

Lab: CRC

Test Type: CHRONIC-LIFETIME

Route: DOSED FEED

Species/Strain: RATS/SD

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
TERMINAL SACRIFICE AT 105 WEEKS**

---

**Females**

**DOSE**                      **0 PPM**

---

**Spleen  
Leukemia Monocytic**

---

**TUMOR RATES**

OVERALL (a)	0/150 (0%)
POLY-3 RATE (b)	0/98.69
POLY-3 PERCENT (g)	0%
TERMINAL (d)	0/40 (0%)
FIRST INCIDENCE	---

---

**STATISTICAL TESTS**

LIFE TABLE	P=0.465
POLY 3	P=0.373
POLY 1.5	P=0.337
POLY 6	P=0.425
LOGISTIC REGRESSION	P=0.366
COCH-ARM / FISHERS	P=0.291
ORDER RESTRICTED	P=0.131
MAX-ISO-POLY-3	P=0.146

---

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

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Aspartame

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Route: DOSED FEED

CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
 TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Females					
	100000 PPM	50000 PPM	10000 PPM	2000 PPM	400 PPM	80 PPM

Spleen  
 Leukemia Myeloid

TUMOR RATES

OVERALL (a)	2/100 (2%)	1/98 (1%)	0/99 (0%)	1/149 (1%)	0/146 (0%)	0/149 (0%)
POLY-3 RATE (b)	2/76.77	1/68.93	0/70.12	1/98.89	0/100.39	0/96.39
POLY-3 PERCENT (g)	2.6%	1.5%	0%	1%	0%	0%
TERMINAL (d)	1/45 (2%)	0/35 (0%)	0/30 (0%)	0/45 (0%)	0/44 (0%)	0/46 (0%)
FIRST INCIDENCE	331	680	---	729	---	---

STATISTICAL TESTS

LIFE TABLE	P=0.211	P=0.460	(e)	P=0.532	(e)	(e)
POLY 3	P=0.182	P=0.428	(e)	P=0.500	(e)	(e)
POLY 1.5	P=0.170	P=0.422	(e)	P=0.498	(e)	(e)
POLY 6	P=0.202	P=0.437	(e)	P=0.505	(e)	(e)
LOGISTIC REGRESSION	P=0.110	P=0.432	(e)	P=0.530	(e)	(e)
COCH-ARM / FISHERS	P=0.159	P=0.395	(e)	P=0.498	(e)	(e)
ORDER RESTRICTED	(e)	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	(e)



**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**

Aspartame

CAS Number: 22839-47-0

Date Report Requested: 01/28/2008

Time Report Requested: 17:57:48

First Dose M/F: 06/27/97 / 06/27/97

Lab: CRC

Test Type: CHRONIC-LIFETIME

Route: DOSED FEED

Species/Strain: RATS/SD

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)**

**TERMINAL SACRIFICE AT 105 WEEKS**

---

**Females**

**DOSE**                      **0 PPM**

---

**Spleen**  
**Leukemia Myeloid**

---

**TUMOR RATES**

OVERALL (a)	0/150 (0%)
POLY-3 RATE (b)	0/98.69
POLY-3 PERCENT (g)	0%
TERMINAL (d)	0/40 (0%)
FIRST INCIDENCE	---

---

**STATISTICAL TESTS**

LIFE TABLE	P=0.024*
POLY 3	P=0.013*
POLY 1.5	P=0.011*
POLY 6	P=0.015*
LOGISTIC REGRESSION	P=0.009**
COCH-ARM / FISHERS	P=0.009**
ORDER RESTRICTED	P=0.026*
MAX-ISO-POLY-3	P=0.024*

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P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Date Report Requested: 01/28/2008

Test Type: CHRONIC-LIFETIME

Aspartame

Time Report Requested: 17:57:48

Route: DOSED FEED

CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
 TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Females					
	100000 PPM	50000 PPM	10000 PPM	2000 PPM	400 PPM	80 PPM

Spleen  
 Lymphoma Lympho-immunoblastic

TUMOR RATES

OVERALL (a)	0/100 (0%)	1/98 (1%)	0/99 (0%)	0/149 (0%)	1/146 (1%)	1/149 (1%)
POLY-3 RATE (b)	0/75.87	1/69.24	0/70.12	0/98.89	1/101.02	1/97.02
POLY-3 PERCENT (g)	0%	1.4%	0%	0%	1%	1%
TERMINAL (d)	0/45 (0%)	0/35 (0%)	0/30 (0%)	0/45 (0%)	0/44 (0%)	0/46 (0%)
FIRST INCIDENCE	---	576	---	---	527	521

STATISTICAL TESTS

LIFE TABLE	P=0.242N	P=0.601N	P=0.301N	P=0.229N	P=0.485N	P=0.491N
POLY 3	P=0.297N	P=0.624N	P=0.316N	P=0.239N	P=0.493N	P=0.507N
POLY 1.5	P=0.312N	P=0.633N	P=0.324N	P=0.241N	P=0.500N	P=0.506N
POLY 6	P=0.277N	P=0.608N	P=0.306N	P=0.234N	P=0.483N	P=0.503N
LOGISTIC REGRESSION	P=0.295N	P=0.637N	P=0.314N	P=0.236N	P=0.508N	P=0.504N
COCH-ARM / FISHERS	P=0.359N	P=0.780	P=0.362N	P=0.251N	P=0.510N	P=0.503N
ORDER RESTRICTED	(e)	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	(e)

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Date Report Reqsted: 01/28/2008

Test Type: CHRONIC-LIFETIME

Aspartame

Time Report Reqsted: 17:57:48

Route: DOSED FEED

CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
TERMINAL SACRIFICE AT 105 WEEKS

Females

DOSE 0 PPM

Spleen  
Lymphoma Lympho-immunoblastic

TUMOR RATES

OVERALL (a)	2/150 (1%)
POLY-3 RATE (b)	2/99.08
POLY-3 PERCENT (g)	2%
TERMINAL (d)	1/40 (3%)
FIRST INCIDENCE	620

STATISTICAL TESTS

LIFE TABLE	P=0.367N
POLY 3	P=0.385N
POLY 1.5	P=0.397N
POLY 6	P=0.369N
LOGISTIC REGRESSION	P=0.431N
COCH-ARM / FISHERS	P=0.415N
ORDER RESTRICTED	P=0.128N
MAX-ISO-POLY-3	P=0.143N

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Date Report Requested: 01/28/2008

Test Type: CHRONIC-LIFETIME

Aspartame

Time Report Requested: 17:57:48

Route: DOSED FEED

CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
 TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Females					
	100000 PPM	50000 PPM	10000 PPM	2000 PPM	400 PPM	80 PPM

Spleen  
 Lymphoma Lymphoblastic

TUMOR RATES

OVERALL (a)	0/100 (0%)	1/98 (1%)	0/99 (0%)	1/149 (1%)	2/146 (1%)	1/149 (1%)
POLY-3 RATE (b)	0/75.87	1/68.74	0/70.12	1/98.89	2/101.19	1/96.39
POLY-3 PERCENT (g)	0%	1.5%	0%	1%	2%	1%
TERMINAL (d)	0/45 (0%)	1/35 (3%)	0/30 (0%)	1/45 (2%)	1/44 (2%)	1/46 (2%)
FIRST INCIDENCE	---	730 (T)	---	730 (T)	430	730 (T)

STATISTICAL TESTS

LIFE TABLE	(e)	P=0.473	(e)	P=0.523	P=0.252	P=0.528
POLY 3	(e)	P=0.427	(e)	P=0.500	P=0.244	P=0.495
POLY 1.5	(e)	P=0.422	(e)	P=0.498	P=0.239	P=0.496
POLY 6	(e)	P=0.436	(e)	P=0.505	P=0.251	P=0.498
LOGISTIC REGRESSION	(e)	P=0.473	(e)	P=0.523	P=0.226	P=0.528
COCH-ARM / FISHERS	(e)	P=0.395	(e)	P=0.498	P=0.242	P=0.498
ORDER RESTRICTED	(e)	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	(e)

**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**

Aspartame

CAS Number: 22839-47-0

Date Report Requested: 01/28/2008

Time Report Requested: 17:57:48

First Dose M/F: 06/27/97 / 06/27/97

Lab: CRC

Test Type: CHRONIC-LIFETIME

Route: DOSED FEED

Species/Strain: RATS/SD

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
TERMINAL SACRIFICE AT 105 WEEKS**

---

**Females**

**DOSE**                      **0 PPM**

---

**Spleen  
Lymphoma Lymphoblastic**

---

**TUMOR RATES**

OVERALL (a)	0/150 (0%)
POLY-3 RATE (b)	0/98.69
POLY-3 PERCENT (g)	0%
TERMINAL (d)	0/40 (0%)
FIRST INCIDENCE	---

---

**STATISTICAL TESTS**

LIFE TABLE	P=0.335N
POLY 3	P=0.391N
POLY 1.5	P=0.406N
POLY 6	P=0.369N
LOGISTIC REGRESSION	P=0.395N
COCH-ARM / FISHERS	P=0.428N
ORDER RESTRICTED	P=0.446N
MAX-ISO-POLY-3	P=0.450N

---

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Date Report Requested: 01/28/2008

Test Type: CHRONIC-LIFETIME

Aspartame

Time Report Requested: 17:57:48

Route: DOSED FEED

CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
 TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Females					
	100000 PPM	50000 PPM	10000 PPM	2000 PPM	400 PPM	80 PPM

Spleen  
 Lymphoma Lymphocytic

TUMOR RATES

OVERALL (a)	0/100 (0%)	0/98 (0%)	0/99 (0%)	0/149 (0%)	0/146 (0%)	3/149 (2%)
POLY-3 RATE (b)	0/75.87	0/68.74	0/70.12	0/98.89	0/100.39	3/96.62
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	3.1%
TERMINAL (d)	0/45 (0%)	0/35 (0%)	0/30 (0%)	0/45 (0%)	0/44 (0%)	1/46 (2%)
FIRST INCIDENCE	---	---	---	---	---	699

STATISTICAL TESTS

LIFE TABLE	(e)	(e)	(e)	(e)	(e)	P=0.141
POLY 3	(e)	(e)	(e)	(e)	(e)	P=0.118
POLY 1.5	(e)	(e)	(e)	(e)	(e)	P=0.119
POLY 6	(e)	(e)	(e)	(e)	(e)	P=0.120
LOGISTIC REGRESSION	(e)	(e)	(e)	(e)	(e)	P=0.126
COCH-ARM / FISHERS	(e)	(e)	(e)	(e)	(e)	P=0.122
ORDER RESTRICTED	(e)	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	(e)

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Date Report Requested: 01/28/2008

Test Type: CHRONIC-LIFETIME

Aspartame

Time Report Requested: 17:57:48

Route: DOSED FEED

CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
TERMINAL SACRIFICE AT 105 WEEKS

Females

DOSE 0 PPM

Spleen  
Lymphoma Lymphocytic

TUMOR RATES

OVERALL (a)	0/150 (0%)
POLY-3 RATE (b)	0/98.69
POLY-3 PERCENT (g)	0%
TERMINAL (d)	0/40 (0%)
FIRST INCIDENCE	---

STATISTICAL TESTS

LIFE TABLE	P=0.248N
POLY 3	P=0.304N
POLY 1.5	P=0.303N
POLY 6	P=0.302N
LOGISTIC REGRESSION	P=0.264N
COCH-ARM / FISHERS	P=0.301N
ORDER RESTRICTED	P=0.133N
MAX-ISO-POLY-3	P=0.149N

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Date Report Requested: 01/28/2008

Test Type: CHRONIC-LIFETIME

Aspartame

Time Report Requested: 17:57:48

Route: DOSED FEED

CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
 TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Females					
	100000 PPM	50000 PPM	10000 PPM	2000 PPM	400 PPM	80 PPM

Stomach, Forestomach  
 Squamous Cell Carcinoma or Papilloma Squamous

TUMOR RATES	#	#	#	#	#	#
OVERALL (a)	2/100 (2%)	0/100 (0%)	3/100 (3%)	0/150 (0%)	1/150 (1%)	1/150 (1%)
POLY-3 RATE (b)	2/76.22	0/70.59	3/71.31	0/98.95	1/102.84	1/97.83
POLY-3 PERCENT (g)	2.6%	0%	4.2%	0%	1%	1%
TERMINAL (d)	1/45 (2%)	0/36 (0%)	2/30 (7%)	0/45 (0%)	1/45 (2%)	0/46 (0%)
FIRST INCIDENCE	630	---	524	---	730 (T)	503

STATISTICAL TESTS

LIFE TABLE	P=0.357N	P=0.096N	P=0.649N	P=0.060N	P=0.153N	P=0.176N
POLY 3	P=0.467N	P=0.115N	P=0.628	P=0.065N	P=0.173N	P=0.188N
POLY 1.5	P=0.496N	P=0.121N	P=0.614	P=0.066N	P=0.177N	P=0.187N
POLY 6	P=0.424N	P=0.107N	P=0.649	P=0.062N	P=0.167N	P=0.185N
LOGISTIC REGRESSION	P=0.507N	P=0.126N	P=0.610	P=0.066N	P=0.175N	P=0.183N
COCH-ARM / FISHERS	P=0.544N	P=0.128N	P=0.582	P=0.061N	P=0.185N	P=0.185N
ORDER RESTRICTED	(e)	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	(e)





P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Date Report Requested: 01/28/2008

Test Type: CHRONIC-LIFETIME

Aspartame

Time Report Requested: 17:57:48

Route: DOSED FEED

CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
 TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Females					
	100000 PPM	50000 PPM	10000 PPM	2000 PPM	400 PPM	80 PPM

Stomach, Forestomach  
 Squamous Cell Papilloma

TUMOR RATES	#	#	#	#	#	#
OVERALL (a)	2/100 (2%)	0/100 (0%)	3/100 (3%)	0/150 (0%)	1/150 (1%)	1/150 (1%)
POLY-3 RATE (b)	2/76.22	0/70.59	3/71.31	0/98.95	1/102.84	1/97.83
POLY-3 PERCENT (g)	2.6%	0%	4.2%	0%	1%	1%
TERMINAL (d)	1/45 (2%)	0/36 (0%)	2/30 (7%)	0/45 (0%)	1/45 (2%)	0/46 (0%)
FIRST INCIDENCE	630	---	524	---	730 (T)	503

STATISTICAL TESTS

LIFE TABLE	P=0.357N	P=0.096N	P=0.649N	P=0.060N	P=0.153N	P=0.176N
POLY 3	P=0.467N	P=0.115N	P=0.628	P=0.065N	P=0.173N	P=0.188N
POLY 1.5	P=0.496N	P=0.121N	P=0.614	P=0.066N	P=0.177N	P=0.187N
POLY 6	P=0.424N	P=0.107N	P=0.649	P=0.062N	P=0.167N	P=0.185N
LOGISTIC REGRESSION	P=0.507N	P=0.126N	P=0.610	P=0.066N	P=0.175N	P=0.183N
COCH-ARM / FISHERS	P=0.544N	P=0.128N	P=0.582	P=0.061N	P=0.185N	P=0.185N
ORDER RESTRICTED	(e)	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	(e)

**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**

Aspartame

CAS Number: 22839-47-0

Date Report Requested: 01/28/2008

Time Report Requested: 17:57:48

First Dose M/F: 06/27/97 / 06/27/97

Lab: CRC

Test Type: CHRONIC-LIFETIME

Route: DOSED FEED

Species/Strain: RATS/SD

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
TERMINAL SACRIFICE AT 105 WEEKS**

---

**Females**

**DOSE**                      **0 PPM**

---

**Stomach, Forestomach  
Squamous Cell Papilloma**

---

<b>TUMOR RATES</b>	#
OVERALL (a)	4/150 (3%)
POLY-3 RATE (b)	4/99.86
POLY-3 PERCENT (g)	4%
TERMINAL (d)	1/40 (3%)
FIRST INCIDENCE	443

---

**STATISTICAL TESTS**

LIFE TABLE	P=0.556N
POLY 3	P=0.538
POLY 1.5	P=0.515
POLY 6	P=0.570
LOGISTIC REGRESSION	P=0.506
COCH-ARM / FISHERS	P=0.480
ORDER RESTRICTED	P=0.171N
MAX-ISO-POLY-3	P=0.185N

---

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Date Report Requested: 01/28/2008

Test Type: CHRONIC-LIFETIME

Aspartame

Time Report Requested: 17:57:48

Route: DOSED FEED

CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
 TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Females					
	100000 PPM	50000 PPM	10000 PPM	2000 PPM	400 PPM	80 PPM

Thymus  
 Leukemia Lymphoblastic

TUMOR RATES

OVERALL (a)	0/99 (0%)	0/100 (0%)	0/99 (0%)	2/149 (1%)	0/147 (0%)	0/150 (0%)
POLY-3 RATE (b)	0/75.52	0/70.59	0/70.12	2/100.86	0/101.04	0/97.16
POLY-3 PERCENT (g)	0%	0%	0%	2%	0%	0%
TERMINAL (d)	0/45 (0%)	0/36 (0%)	0/30 (0%)	0/45 (0%)	0/44 (0%)	0/46 (0%)
FIRST INCIDENCE	---	---	---	100	---	---

STATISTICAL TESTS

LIFE TABLE	(e)	(e)	(e)	P=0.238	(e)	(e)
POLY 3	(e)	(e)	(e)	P=0.245	(e)	(e)
POLY 1.5	(e)	(e)	(e)	P=0.241	(e)	(e)
POLY 6	(e)	(e)	(e)	P=0.251	(e)	(e)
LOGISTIC REGRESSION	(e)	(e)	(e)	P=0.800	(e)	(e)
COCH-ARM / FISHERS	(e)	(e)	(e)	P=0.249	(e)	(e)
ORDER RESTRICTED	(e)	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	(e)

**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**

Aspartame

CAS Number: 22839-47-0

Date Report Requested: 01/28/2008

Time Report Requested: 17:57:48

First Dose M/F: 06/27/97 / 06/27/97

Lab: CRC

Test Type: CHRONIC-LIFETIME

Route: DOSED FEED

Species/Strain: RATS/SD

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)**

**TERMINAL SACRIFICE AT 105 WEEKS**

---

**Females**

**DOSE**                      **0 PPM**

---

**Thymus**  
**Leukemia Lymphoblastic**

---

**TUMOR RATES**

OVERALL (a)	0/149 (0%)
POLY-3 RATE (b)	0/97.98
POLY-3 PERCENT (g)	0%
TERMINAL (d)	0/40 (0%)
FIRST INCIDENCE	---

---

**STATISTICAL TESTS**

LIFE TABLE	P=0.436N
POLY 3	P=0.430N
POLY 1.5	P=0.433N
POLY 6	P=0.424N
LOGISTIC REGRESSION	P=0.525N
COCH-ARM / FISHERS	P=0.436N
ORDER RESTRICTED	P=0.454
MAX-ISO-POLY-3	P=0.456

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P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Date Report Requested: 01/28/2008

Test Type: CHRONIC-LIFETIME

Aspartame

Time Report Requested: 17:57:48

Route: DOSED FEED

CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
 TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Females					
	100000 PPM	50000 PPM	10000 PPM	2000 PPM	400 PPM	80 PPM
<b>Thymus</b>						
<b>Leukemia Monocytic</b>						
<b>TUMOR RATES</b>						
OVERALL (a)	1/99 (1%)	3/100 (3%)	1/99 (1%)	1/149 (1%)	3/147 (2%)	2/150 (1%)
POLY-3 RATE (b)	1/75.52	3/72.35	1/70.12	1/99.12	3/101.73	2/97.19
POLY-3 PERCENT (g)	1.3%	4.2%	1.4%	1%	3%	2.1%
TERMINAL (d)	1/45 (2%)	0/36 (0%)	1/30 (3%)	0/45 (0%)	0/44 (0%)	1/46 (2%)
FIRST INCIDENCE	730 (T)	503	730 (T)	669	509	723
<b>STATISTICAL TESTS</b>						
LIFE TABLE	P=0.523	P=0.064	P=0.443	P=0.512	P=0.150	P=0.271
POLY 3	P=0.447	P=0.072	P=0.433	P=0.502	P=0.128	P=0.237
POLY 1.5	P=0.435	P=0.067	P=0.427	P=0.500	P=0.125	P=0.238
POLY 6	P=0.466	P=0.080	P=0.441	P=0.508	P=0.134	P=0.239
LOGISTIC REGRESSION	P=0.523	P=0.053	P=0.443	P=0.503	P=0.126	P=0.259
COCH-ARM / FISHERS	P=0.399	P=0.064	P=0.399	P=0.500	P=0.121	P=0.251
ORDER RESTRICTED	(e)	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	(e)



P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Date Report Requested: 01/28/2008

Test Type: CHRONIC-LIFETIME

Aspartame

Time Report Requested: 17:57:48

Route: DOSED FEED

CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
 TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Females					
	100000 PPM	50000 PPM	10000 PPM	2000 PPM	400 PPM	80 PPM

Thymus  
 Leukemia Myeloid

TUMOR RATES

OVERALL (a)	2/99 (2%)	0/100 (0%)	0/99 (0%)	1/149 (1%)	0/147 (0%)	0/150 (0%)
POLY-3 RATE (b)	2/76.42	0/70.59	0/70.12	1/98.89	0/101.04	0/97.16
POLY-3 PERCENT (g)	2.6%	0%	0%	1%	0%	0%
TERMINAL (d)	1/45 (2%)	0/36 (0%)	0/30 (0%)	0/45 (0%)	0/44 (0%)	0/46 (0%)
FIRST INCIDENCE	331	---	---	729	---	---

STATISTICAL TESTS

LIFE TABLE	P=0.211	(e)	(e)	P=0.532	(e)	(e)
POLY 3	P=0.183	(e)	(e)	P=0.502	(e)	(e)
POLY 1.5	P=0.170	(e)	(e)	P=0.499	(e)	(e)
POLY 6	P=0.203	(e)	(e)	P=0.507	(e)	(e)
LOGISTIC REGRESSION	P=0.108	(e)	(e)	P=0.530	(e)	(e)
COCH-ARM / FISHERS	P=0.158	(e)	(e)	P=0.500	(e)	(e)
ORDER RESTRICTED	(e)	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	(e)



**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**

Aspartame

CAS Number: 22839-47-0

Date Report Requested: 01/28/2008

Time Report Requested: 17:57:48

First Dose M/F: 06/27/97 / 06/27/97

Lab: CRC

Test Type: CHRONIC-LIFETIME

Route: DOSED FEED

Species/Strain: RATS/SD

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)**

**TERMINAL SACRIFICE AT 105 WEEKS**

---

**Females**

**DOSE**                      **0 PPM**

---

**Thymus**  
**Leukemia Myeloid**

---

**TUMOR RATES**

OVERALL (a)	0/149 (0%)
POLY-3 RATE (b)	0/97.98
POLY-3 PERCENT (g)	0%
TERMINAL (d)	0/40 (0%)
FIRST INCIDENCE	---

---

**STATISTICAL TESTS**

LIFE TABLE	P=0.034*
POLY 3	P=0.018*
POLY 1.5	P=0.016*
POLY 6	P=0.020*
LOGISTIC REGRESSION	P=0.012*
COCH-ARM / FISHERS	P=0.015*
ORDER RESTRICTED	P=0.011*
MAX-ISO-POLY-3	P=0.013*

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P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Date Report Requested: 01/28/2008

Test Type: CHRONIC-LIFETIME

Aspartame

Time Report Requested: 17:57:48

Route: DOSED FEED

CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
 TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Females					
	100000 PPM	50000 PPM	10000 PPM	2000 PPM	400 PPM	80 PPM

Thymus  
 Lymphoma Lympho-immunoblastic

TUMOR RATES

OVERALL (a)	1/99 (1%)	2/100 (2%)	1/99 (1%)	2/149 (1%)	2/147 (1%)	0/150 (0%)
POLY-3 RATE (b)	1/76.24	2/71.44	1/70.4	2/99.42	2/101.66	0/97.16
POLY-3 PERCENT (g)	1.3%	2.8%	1.4%	2%	2%	0%
TERMINAL (d)	0/45 (0%)	0/36 (0%)	0/30 (0%)	0/45 (0%)	1/44 (2%)	0/46 (0%)
FIRST INCIDENCE	473	515	652	611	527	---

STATISTICAL TESTS

LIFE TABLE	P=0.564N	P=0.596	P=0.596N	P=0.678N	P=0.673N	P=0.231N
POLY 3	P=0.590N	P=0.573	P=0.617N	P=0.690N	P=0.682N	P=0.242N
POLY 1.5	P=0.612N	P=0.560	P=0.626N	P=0.691	P=0.689N	P=0.241N
POLY 6	P=0.558N	P=0.594	P=0.602N	P=0.682N	P=0.672N	P=0.240N
LOGISTIC REGRESSION	P=0.698N	P=0.535	P=0.641N	P=0.692	P=0.687	P=0.237N
COCH-ARM / FISHERS	P=0.650N	P=0.528	P=0.650N	P=0.689N	P=0.684	P=0.247N
ORDER RESTRICTED	(e)	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	(e)



P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Date Report Requested: 01/28/2008

Test Type: CHRONIC-LIFETIME

Aspartame

Time Report Requested: 17:57:48

Route: DOSED FEED

CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
 TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Females					
	100000 PPM	50000 PPM	10000 PPM	2000 PPM	400 PPM	80 PPM

Thymus  
 Lymphoma Lymphoblastic

TUMOR RATES

OVERALL (a)	1/99 (1%)	2/100 (2%)	1/99 (1%)	4/149 (3%)	6/147 (4%)	3/150 (2%)
POLY-3 RATE (b)	1/75.52	2/70.59	1/70.31	4/99	6/102.76	3/97.49
POLY-3 PERCENT (g)	1.3%	2.8%	1.4%	4%	5.8%	3.1%
TERMINAL (d)	1/45 (2%)	2/36 (6%)	0/30 (0%)	3/45 (7%)	3/44 (7%)	2/46 (4%)
FIRST INCIDENCE	730 (T)	730 (T)	680	700	430	638

STATISTICAL TESTS

LIFE TABLE	P=0.468N	P=0.653	P=0.584N	P=0.383	P=0.167	P=0.547
POLY 3	P=0.591N	P=0.571	P=0.615N	P=0.343	P=0.154	P=0.497
POLY 1.5	P=0.613N	P=0.559	P=0.625N	P=0.338	P=0.147	P=0.498
POLY 6	P=0.560N	P=0.590	P=0.600N	P=0.354	P=0.166	P=0.503
LOGISTIC REGRESSION	P=0.503N	P=0.639	P=0.590N	P=0.381	P=0.145	P=0.513
COCH-ARM / FISHERS	P=0.650N	P=0.528	P=0.650N	P=0.342	P=0.137	P=0.503
ORDER RESTRICTED	(e)	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	(e)

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Date Report Requested: 01/28/2008

Test Type: CHRONIC-LIFETIME

Aspartame

Time Report Requested: 17:57:48

Route: DOSED FEED

CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
TERMINAL SACRIFICE AT 105 WEEKS

Females

DOSE 0 PPM

Thymus  
Lymphoma Lymphoblastic

TUMOR RATES

OVERALL (a)	2/149 (1%)
POLY-3 RATE (b)	2/98.08
POLY-3 PERCENT (g)	2%
TERMINAL (d)	1/40 (3%)
FIRST INCIDENCE	704

STATISTICAL TESTS

LIFE TABLE	P=0.120N
POLY 3	P=0.183N
POLY 1.5	P=0.206N
POLY 6	P=0.155N
LOGISTIC REGRESSION	P=0.172N
COCH-ARM / FISHERS	P=0.238N
ORDER RESTRICTED	P=0.343N
MAX-ISO-POLY-3	P=0.350N

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Date Report Requested: 01/28/2008

Test Type: CHRONIC-LIFETIME

Aspartame

Time Report Requested: 17:57:48

Route: DOSED FEED

CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
 TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Females					
	100000 PPM	50000 PPM	10000 PPM	2000 PPM	400 PPM	80 PPM
<b>Thymus</b>						
<b>Lymphoma Lymphocytic</b>						
<b>TUMOR RATES</b>						
OVERALL (a)	2/99 (2%)	0/100 (0%)	2/99 (2%)	1/149 (1%)	2/147 (1%)	4/150 (3%)
POLY-3 RATE (b)	2/75.52	0/70.59	2/70.12	1/98.89	2/101.56	4/97.56
POLY-3 PERCENT (g)	2.7%	0%	2.9%	1%	2%	4.1%
TERMINAL (d)	2/45 (4%)	0/36 (0%)	2/30 (7%)	1/45 (2%)	1/44 (2%)	1/46 (2%)
FIRST INCIDENCE	730 (T)	---	730 (T)	730 (T)	572	686
<b>STATISTICAL TESTS</b>						
LIFE TABLE	P=0.672N	P=0.277N	P=0.601	P=0.473N	P=0.658N	P=0.377
POLY 3	P=0.596	P=0.313N	P=0.567	P=0.498N	P=0.682N	P=0.335
POLY 1.5	P=0.572	P=0.321N	P=0.556	P=0.502N	P=0.688N	P=0.337
POLY 6	P=0.630	P=0.302N	P=0.583	P=0.492N	P=0.672N	P=0.339
LOGISTIC REGRESSION	P=0.639	P=0.313N	P=0.592	P=0.489N	P=0.685N	P=0.343
COCH-ARM / FISHERS	P=0.524	P=0.357N	P=0.524	P=0.500N	P=0.684	P=0.345
ORDER RESTRICTED	(e)	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	(e)

**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**

Aspartame

CAS Number: 22839-47-0

Date Report Requested: 01/28/2008

Time Report Requested: 17:57:48

First Dose M/F: 06/27/97 / 06/27/97

Lab: CRC

Test Type: CHRONIC-LIFETIME

Route: DOSED FEED

Species/Strain: RATS/SD

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
TERMINAL SACRIFICE AT 105 WEEKS**

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**Females**

**DOSE**                      **0 PPM**

---

**Thymus  
Lymphoma Lymphocytic**

---

**TUMOR RATES**

OVERALL (a)	2/149 (1%)
POLY-3 RATE (b)	2/98.43
POLY-3 PERCENT (g)	2%
TERMINAL (d)	0/40 (0%)
FIRST INCIDENCE	631

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**STATISTICAL TESTS**

LIFE TABLE	P=0.361N
POLY 3	P=0.501N
POLY 1.5	P=0.516N
POLY 6	P=0.478N
LOGISTIC REGRESSION	P=0.430N
COCH-ARM / FISHERS	P=0.539N
ORDER RESTRICTED	P=0.428N
MAX-ISO-POLY-3	P=0.431N

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P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Date Report Requested: 01/28/2008

Test Type: CHRONIC-LIFETIME

Aspartame

Time Report Requested: 17:57:48

Route: DOSED FEED

CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
 TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Females					
	100000 PPM	50000 PPM	10000 PPM	2000 PPM	400 PPM	80 PPM
<b>Thymus</b>						
<b>Thymoma Benign</b>						
<b>TUMOR RATES</b>						
OVERALL (a)	2/99 (2%)	6/100 (6%)	5/99 (5%)	6/149 (4%)	4/147 (3%)	7/150 (5%)
POLY-3 RATE (b)	2/75.52	6/72	5/71.68	6/101.1	4/101.6	7/97.83
POLY-3 PERCENT (g)	2.7%	8.3%	7%	5.9%	3.9%	7.2%
TERMINAL (d)	2/45 (4%)	4/36 (11%)	2/30 (7%)	2/45 (4%)	2/44 (5%)	6/46 (13%)
FIRST INCIDENCE	730 (T)	482	368	402	642	503
<b>STATISTICAL TESTS</b>						
LIFE TABLE	P=0.673	P=0.081	P=0.122	P=0.155	P=0.375	P=0.106
POLY 3	P=0.594	P=0.057	P=0.109	P=0.146	P=0.352	P=0.082
POLY 1.5	P=0.571	P=0.052	P=0.101	P=0.141	P=0.344	P=0.085
POLY 6	P=0.628	P=0.065	P=0.120	P=0.155	P=0.364	P=0.083
LOGISTIC REGRESSION	P=0.574	P=0.049*	P=0.084	P=0.143	P=0.348	P=0.086
COCH-ARM / FISHERS	P=0.524	P=0.048*	P=0.092	P=0.141	P=0.336	P=0.088
ORDER RESTRICTED	(e)	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	(e)



P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Date Report Requested: 01/28/2008

Test Type: CHRONIC-LIFETIME

Aspartame

Time Report Requested: 17:57:48

Route: DOSED FEED

CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)

TERMINAL SACRIFICE AT 105 WEEKS

Females

DOSE 0 PPM

Thymus  
Thymoma Benign

TUMOR RATES

OVERALL (a)	2/149 (1%)
POLY-3 RATE (b)	2/98.87
POLY-3 PERCENT (g)	2%
TERMINAL (d)	0/40 (0%)
FIRST INCIDENCE	495

STATISTICAL TESTS

LIFE TABLE	P=0.285N
POLY 3	P=0.401N
POLY 1.5	P=0.449N
POLY 6	P=0.338N
LOGISTIC REGRESSION	P=0.459N
COCH-ARM / FISHERS	P=0.514N
ORDER RESTRICTED	P=0.235
MAX-ISO-POLY-3	P=0.247

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Date Report Requested: 01/28/2008

Test Type: CHRONIC-LIFETIME

Aspartame

Time Report Requested: 17:57:48

Route: DOSED FEED

CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
 TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Females					
	100000 PPM	50000 PPM	10000 PPM	2000 PPM	400 PPM	80 PPM

Thymus  
 Thymoma: Benign, Malignant, NOS

TUMOR RATES

OVERALL (a)	2/99 (2%)	6/100 (6%)	5/99 (5%)	6/149 (4%)	4/147 (3%)	8/150 (5%)
POLY-3 RATE (b)	2/75.52	6/72	5/71.68	6/101.1	4/101.6	8/97.83
POLY-3 PERCENT (g)	2.7%	8.3%	7%	5.9%	3.9%	8.2%
TERMINAL (d)	2/45 (4%)	4/36 (11%)	2/30 (7%)	2/45 (4%)	2/44 (5%)	7/46 (15%)
FIRST INCIDENCE	730 (T)	482	368	402	642	503

STATISTICAL TESTS

LIFE TABLE	P=0.512N	P=0.160	P=0.219	P=0.276	P=0.548	P=0.137
POLY 3	P=0.621N	P=0.115	P=0.199	P=0.258	P=0.515	P=0.102
POLY 1.5	P=0.647N	P=0.106	P=0.187	P=0.250	P=0.505	P=0.106
POLY 6	P=0.584N	P=0.130	P=0.218	P=0.272	P=0.529	P=0.103
LOGISTIC REGRESSION	P=0.624N	P=0.104	P=0.166	P=0.249	P=0.516	P=0.108
COCH-ARM / FISHERS	P=0.664	P=0.097	P=0.169	P=0.251	P=0.493	P=0.111
ORDER RESTRICTED	(e)	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	(e)

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Date Report Requested: 01/28/2008

Test Type: CHRONIC-LIFETIME

Aspartame

Time Report Requested: 17:57:48

Route: DOSED FEED

CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
TERMINAL SACRIFICE AT 105 WEEKS

Females

DOSE 0 PPM

Thymus  
Thymoma: Benign, Malignant, NOS

TUMOR RATES

OVERALL (a)	3/149 (2%)
POLY-3 RATE (b)	3/98.89
POLY-3 PERCENT (g)	3%
TERMINAL (d)	0/40 (0%)
FIRST INCIDENCE	495

STATISTICAL TESTS

LIFE TABLE	P=0.218N
POLY 3	P=0.328N
POLY 1.5	P=0.373N
POLY 6	P=0.270N
LOGISTIC REGRESSION	P=0.373N
COCH-ARM / FISHERS	P=0.437N
ORDER RESTRICTED	P=0.339N
MAX-ISO-POLY-3	P=0.348N

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Date Report Requested: 01/28/2008

Test Type: CHRONIC-LIFETIME

Aspartame

Time Report Requested: 17:57:48

Route: DOSED FEED

CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
 TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Females					
	100000 PPM	50000 PPM	10000 PPM	2000 PPM	400 PPM	80 PPM

Thyroid Gland: C-Cell  
 Adenoma

TUMOR RATES

OVERALL (a)	5/100 (5%)	2/100 (2%)	7/99 (7%)	8/150 (5%)	7/149 (5%)	5/150 (3%)
POLY-3 RATE (b)	5/76.52	2/71.32	7/72.07	8/101.59	7/104.31	5/99.41
POLY-3 PERCENT (g)	6.5%	2.8%	9.7%	7.9%	6.7%	5%
TERMINAL (d)	4/45 (9%)	0/36 (0%)	3/30 (10%)	3/45 (7%)	3/45 (7%)	1/46 (2%)
FIRST INCIDENCE	515	519	451	355	531	503

STATISTICAL TESTS

LIFE TABLE	P=0.459N	P=0.185N	P=0.386	P=0.525	P=0.561N	P=0.401N
POLY 3	P=0.576N	P=0.193N	P=0.355	P=0.509	P=0.581N	P=0.390N
POLY 1.5	P=0.609N	P=0.203N	P=0.337	P=0.505	P=0.589N	P=0.384N
POLY 6	P=0.526N	P=0.179N	P=0.381	P=0.519	P=0.568N	P=0.388N
LOGISTIC REGRESSION	P=0.570	P=0.230N	P=0.297	P=0.528	P=0.603N	P=0.356N
COCH-ARM / FISHERS	P=0.578	P=0.218N	P=0.310	P=0.516	P=0.597N	P=0.371N
ORDER RESTRICTED	(e)	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	(e)

**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**

Aspartame

CAS Number: 22839-47-0

Date Report Requested: 01/28/2008

Time Report Requested: 17:57:48

First Dose M/F: 06/27/97 / 06/27/97

Lab: CRC

Test Type: CHRONIC-LIFETIME

Route: DOSED FEED

Species/Strain: RATS/SD

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
TERMINAL SACRIFICE AT 105 WEEKS**

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**Females**

**DOSE**                      **0 PPM**

---

**Thyroid Gland: C-Cell  
Adenoma**

---

**TUMOR RATES**

OVERALL (a)	7/147 (5%)
POLY-3 RATE (b)	7/100.5
POLY-3 PERCENT (g)	7%
TERMINAL (d)	0/39 (0%)
FIRST INCIDENCE	446

---

**STATISTICAL TESTS**

LIFE TABLE	P=0.241N
POLY 3	P=0.347N
POLY 1.5	P=0.381N
POLY 6	P=0.302N
LOGISTIC REGRESSION	P=0.434N
COCH-ARM / FISHERS	P=0.432N
ORDER RESTRICTED	P=0.508N
MAX-ISO-POLY-3	P=0.511N

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P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Date Report Requested: 01/28/2008

Test Type: CHRONIC-LIFETIME

Aspartame

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Route: DOSED FEED

CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
 TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Females					
	100000 PPM	50000 PPM	10000 PPM	2000 PPM	400 PPM	80 PPM

Thyroid Gland: C-Cell  
 Carcinoma

TUMOR RATES

OVERALL (a)	2/100 (2%)	2/100 (2%)	0/99 (0%)	2/150 (1%)	3/149 (2%)	2/150 (1%)
POLY-3 RATE (b)	2/75.87	2/71.38	0/70.12	2/99.51	3/102.49	2/97.16
POLY-3 PERCENT (g)	2.6%	2.8%	0%	2%	2.9%	2.1%
TERMINAL (d)	2/45 (4%)	0/36 (0%)	0/30 (0%)	1/45 (2%)	2/45 (4%)	2/46 (4%)
FIRST INCIDENCE	730 (T)	491	---	554	729	730 (T)

STATISTICAL TESTS

LIFE TABLE	P=0.677N	P=0.613	P=0.287N	P=0.670N	P=0.558	P=0.654N
POLY 3	P=0.600	P=0.577	P=0.313N	P=0.687N	P=0.521	P=0.691
POLY 1.5	P=0.578	P=0.564	P=0.320N	P=0.690N	P=0.514	P=0.692N
POLY 6	P=0.633	P=0.596	P=0.304N	P=0.679N	P=0.532	P=0.693
LOGISTIC REGRESSION	P=0.618	P=0.547	P=0.325N	P=0.688N	P=0.540	P=0.689N
COCH-ARM / FISHERS	P=0.534	P=0.534	P=0.356N	P=0.681N	P=0.506	P=0.681N
ORDER RESTRICTED	(e)	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	(e)

**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**

Aspartame

CAS Number: 22839-47-0

Date Report Requested: 01/28/2008

Time Report Requested: 17:57:48

First Dose M/F: 06/27/97 / 06/27/97

Lab: CRC

Test Type: CHRONIC-LIFETIME

Route: DOSED FEED

Species/Strain: RATS/SD

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
TERMINAL SACRIFICE AT 105 WEEKS**

---

**Females**

**DOSE**                      **0 PPM**

---

**Thyroid Gland: C-Cell  
Carcinoma**

---

**TUMOR RATES**

OVERALL (a)	2/147 (1%)
POLY-3 RATE (b)	2/97.77
POLY-3 PERCENT (g)	2.1%
TERMINAL (d)	0/39 (0%)
FIRST INCIDENCE	631

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**STATISTICAL TESTS**

LIFE TABLE	P=0.535
POLY 3	P=0.422
POLY 1.5	P=0.395
POLY 6	P=0.459
LOGISTIC REGRESSION	P=0.435
COCH-ARM / FISHERS	P=0.358
ORDER RESTRICTED	P=0.673
MAX-ISO-POLY-3	P=0.670

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P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Date Report Requested: 01/28/2008

Test Type: CHRONIC-LIFETIME

Aspartame

Time Report Requested: 17:57:48

Route: DOSED FEED

CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
 TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Females					
	100000 PPM	50000 PPM	10000 PPM	2000 PPM	400 PPM	80 PPM

Thyroid Gland: C-Cell  
 Carcinoma or Adenoma

TUMOR RATES

OVERALL (a)	6/100 (6%)	4/100 (4%)	7/99 (7%)	10/150 (7%)	10/149 (7%)	7/150 (5%)
POLY-3 RATE (b)	6/76.52	4/72.11	7/72.07	10/102.15	10/104.31	7/99.41
POLY-3 PERCENT (g)	7.8%	5.6%	9.7%	9.8%	9.6%	7%
TERMINAL (d)	5/45 (11%)	0/36 (0%)	3/30 (10%)	4/45 (9%)	5/45 (11%)	3/46 (7%)
FIRST INCIDENCE	515	491	451	355	531	503

STATISTICAL TESTS

LIFE TABLE	P=0.360N	P=0.266N	P=0.573	P=0.533	P=0.569	P=0.393N
POLY 3	P=0.509N	P=0.296N	P=0.533	P=0.509	P=0.528	P=0.411N
POLY 1.5	P=0.545N	P=0.310N	P=0.514	P=0.505	P=0.521	P=0.401N
POLY 6	P=0.458N	P=0.275N	P=0.560	P=0.518	P=0.539	P=0.414N
LOGISTIC REGRESSION	P=0.593N	P=0.348N	P=0.472	P=0.524	P=0.520	P=0.379N
COCH-ARM / FISHERS	P=0.616	P=0.335N	P=0.481	P=0.518	P=0.512	P=0.383N
ORDER RESTRICTED	(e)	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	(e)





P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Date Report Requested: 01/28/2008

Test Type: CHRONIC-LIFETIME

Aspartame

Time Report Requested: 17:57:48

Route: DOSED FEED

CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
 TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Females					
	100000 PPM	50000 PPM	10000 PPM	2000 PPM	400 PPM	80 PPM
<b>Tissue NOS</b>						
<b>Leukemia Monocytic</b>						
<b>TUMOR RATES</b>	#	#	#	#	#	#
OVERALL (a)	0/100 (0%)	3/100 (3%)	0/100 (0%)	0/150 (0%)	0/150 (0%)	1/150 (1%)
POLY-3 RATE (b)	0/75.87	3/72.35	0/70.68	0/98.95	0/102.84	1/97.19
POLY-3 PERCENT (g)	0%	4.2%	0%	0%	0%	1%
TERMINAL (d)	0/45 (0%)	0/36 (0%)	0/30 (0%)	0/45 (0%)	0/45 (0%)	0/46 (0%)
FIRST INCIDENCE	---	503	---	---	---	723
<b>STATISTICAL TESTS</b>						
LIFE TABLE	(e)	P=0.064	(e)	(e)	(e)	P=0.527
POLY 3	(e)	P=0.071	(e)	(e)	(e)	P=0.497
POLY 1.5	(e)	P=0.066	(e)	(e)	(e)	P=0.498
POLY 6	(e)	P=0.079	(e)	(e)	(e)	P=0.499
LOGISTIC REGRESSION	(e)	P=0.052	(e)	(e)	(e)	P=0.515
COCH-ARM / FISHERS	(e)	P=0.063	(e)	(e)	(e)	P=0.500
ORDER RESTRICTED	(e)	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	(e)

**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**

Aspartame

CAS Number: 22839-47-0

Date Report Requested: 01/28/2008

Time Report Requested: 17:57:48

First Dose M/F: 06/27/97 / 06/27/97

Lab: CRC

Test Type: CHRONIC-LIFETIME

Route: DOSED FEED

Species/Strain: RATS/SD

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
TERMINAL SACRIFICE AT 105 WEEKS**

---

**Females**

**DOSE**                      **0 PPM**

---

**Tissue NOS**  
**Leukemia Monocytic**

---

<b>TUMOR RATES</b>	#
OVERALL (a)	0/150 (0%)
POLY-3 RATE (b)	0/98.69
POLY-3 PERCENT (g)	0%
TERMINAL (d)	0/40 (0%)
FIRST INCIDENCE	---

---

**STATISTICAL TESTS**

LIFE TABLE	P=0.254
POLY 3	P=0.271
POLY 1.5	P=0.244
POLY 6	P=0.311
LOGISTIC REGRESSION	P=0.190
COCH-ARM / FISHERS	P=0.211
ORDER RESTRICTED	P=0.086
MAX-ISO-POLY-3	P=0.096

---

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Date Report Requested: 01/28/2008

Test Type: CHRONIC-LIFETIME

Aspartame

Time Report Requested: 17:57:48

Route: DOSED FEED

CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
 TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Females					
	100000 PPM	50000 PPM	10000 PPM	2000 PPM	400 PPM	80 PPM
<b>Tissue NOS</b>						
<b>Lymphoma Lympho-immunoblastic</b>						
<b>TUMOR RATES</b>	#	#	#	#	#	#
OVERALL (a)	1/100 (1%)	1/100 (1%)	0/100 (0%)	0/150 (0%)	1/150 (1%)	1/150 (1%)
POLY-3 RATE (b)	1/76.59	1/71.23	0/70.68	0/98.95	1/103.46	1/97.79
POLY-3 PERCENT (g)	1.3%	1.4%	0%	0%	1%	1%
TERMINAL (d)	0/45 (0%)	0/36 (0%)	0/30 (0%)	0/45 (0%)	0/45 (0%)	0/46 (0%)
FIRST INCIDENCE	473	522	---	---	527	521
<b>STATISTICAL TESTS</b>						
LIFE TABLE	P=0.691	P=0.669	P=0.573N	P=0.500N	P=0.757N	P=0.746
POLY 3	P=0.704	P=0.687	P=0.568N	P=0.500N	P=0.751N	P=0.758
POLY 1.5	P=0.689	P=0.678	P=0.573N	P=0.502N	P=0.755N	P=0.758
POLY 6	P=0.726	P=0.699	P=0.561N	P=0.496N	P=0.745N	P=0.761
LOGISTIC REGRESSION	P=0.612	P=0.652	P=0.594N	P=0.496N	P=0.750	P=0.757N
COCH-ARM / FISHERS	P=0.641	P=0.641	P=0.600N	P=0.500N	P=0.751N	P=0.751N
ORDER RESTRICTED	(e)	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	(e)



P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Date Report Requested: 01/28/2008

Test Type: CHRONIC-LIFETIME

Aspartame

Time Report Requested: 17:57:48

Route: DOSED FEED

CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
 TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Females					
	100000 PPM	50000 PPM	10000 PPM	2000 PPM	400 PPM	80 PPM

Tissue NOS  
 Lymphoma Lymphoblastic

TUMOR RATES	#	#	#	#	#	#
OVERALL (a)	0/100 (0%)	1/100 (1%)	0/100 (0%)	0/150 (0%)	0/150 (0%)	1/150 (1%)
POLY-3 RATE (b)	0/75.87	1/70.59	0/70.68	0/98.95	0/102.84	1/97.49
POLY-3 PERCENT (g)	0%	1.4%	0%	0%	0%	1%
TERMINAL (d)	0/45 (0%)	1/36 (3%)	0/30 (0%)	0/45 (0%)	0/45 (0%)	0/46 (0%)
FIRST INCIDENCE	---	730 (T)	---	---	---	638

STATISTICAL TESTS

LIFE TABLE	P=0.223N	P=0.539N	P=0.295N	P=0.223N	P=0.215N	P=0.472N
POLY 3	P=0.297N	P=0.616N	P=0.314N	P=0.238N	P=0.230N	P=0.505N
POLY 1.5	P=0.312N	P=0.626N	P=0.321N	P=0.241N	P=0.234N	P=0.504N
POLY 6	P=0.275N	P=0.601N	P=0.303N	P=0.233N	P=0.224N	P=0.500N
LOGISTIC REGRESSION	P=0.247N	P=0.559N	P=0.289N	P=0.221N	P=0.211N	P=0.500N
COCH-ARM / FISHERS	P=0.359N	P=0.649N	P=0.359N	P=0.249N	P=0.249N	P=0.500N
ORDER RESTRICTED	(e)	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	(e)

**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**

Aspartame

CAS Number: 22839-47-0

Date Report Requested: 01/28/2008

Time Report Requested: 17:57:48

First Dose M/F: 06/27/97 / 06/27/97

Lab: CRC

Test Type: CHRONIC-LIFETIME

Route: DOSED FEED

Species/Strain: RATS/SD

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
TERMINAL SACRIFICE AT 105 WEEKS**

---

**Females**

**DOSE**                      **0 PPM**

---

**Tissue NOS**  
**Lymphoma Lymphoblastic**

---

<b>TUMOR RATES</b>	#
OVERALL (a)	2/150 (1%)
POLY-3 RATE (b)	2/98.8
POLY-3 PERCENT (g)	2%
TERMINAL (d)	1/40 (3%)
FIRST INCIDENCE	704

---

**STATISTICAL TESTS**

LIFE TABLE	P=0.413N
POLY 3	P=0.488N
POLY 1.5	P=0.498N
POLY 6	P=0.474N
LOGISTIC REGRESSION	P=0.455N
COCH-ARM / FISHERS	P=0.514N
ORDER RESTRICTED	P=0.087N
MAX-ISO-POLY-3	P=0.098N

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P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Date Report Requested: 01/28/2008

Test Type: CHRONIC-LIFETIME

Aspartame

Time Report Requested: 17:57:48

Route: DOSED FEED

CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
 TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Females					
	100000 PPM	50000 PPM	10000 PPM	2000 PPM	400 PPM	80 PPM

Urinary Bladder  
 Carcinoma

TUMOR RATES

OVERALL (a)	0/98 (0%)	0/99 (0%)	0/99 (0%)	1/147 (1%)	0/149 (0%)	0/147 (0%)
POLY-3 RATE (b)	0/75.11	0/69.74	0/70.12	1/98.34	0/102.49	0/95.57
POLY-3 PERCENT (g)	0%	0%	0%	1%	0%	0%
TERMINAL (d)	0/45 (0%)	0/36 (0%)	0/30 (0%)	0/45 (0%)	0/45 (0%)	0/46 (0%)
FIRST INCIDENCE	---	---	---	681	---	---

STATISTICAL TESTS

LIFE TABLE	(e)	(e)	(e)	P=0.510	(e)	(e)
POLY 3	(e)	(e)	(e)	P=0.499	(e)	(e)
POLY 1.5	(e)	(e)	(e)	P=0.496	(e)	(e)
POLY 6	(e)	(e)	(e)	P=0.506	(e)	(e)
LOGISTIC REGRESSION	(e)	(e)	(e)	P=0.502	(e)	(e)
COCH-ARM / FISHERS	(e)	(e)	(e)	P=0.497	(e)	(e)
ORDER RESTRICTED	(e)	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	(e)



**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**

Aspartame

CAS Number: 22839-47-0

Date Report Requested: 01/28/2008

Time Report Requested: 17:57:48

First Dose M/F: 06/27/97 / 06/27/97

Lab: CRC

Test Type: CHRONIC-LIFETIME

Route: DOSED FEED

Species/Strain: RATS/SD

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)**

**TERMINAL SACRIFICE AT 105 WEEKS**

---

**Females**

**DOSE**                      **0 PPM**

---

**Urinary Bladder  
Carcinoma**

---

**TUMOR RATES**

OVERALL (a)	0/149 (0%)
POLY-3 RATE (b)	0/98.61
POLY-3 PERCENT (g)	0%
TERMINAL (d)	0/40 (0%)
FIRST INCIDENCE	---

---

**STATISTICAL TESTS**

LIFE TABLE	P=0.559N
POLY 3	P=0.618N
POLY 1.5	P=0.615N
POLY 6	P=0.621N
LOGISTIC REGRESSION	P=0.583N
COCH-ARM / FISHERS	P=0.607N
ORDER RESTRICTED	P=0.579
MAX-ISO-POLY-3	P=0.578

---

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Date Report Requested: 01/28/2008

Test Type: CHRONIC-LIFETIME

Aspartame

Time Report Requested: 17:57:48

Route: DOSED FEED

CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
 TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Females					
	100000 PPM	50000 PPM	10000 PPM	2000 PPM	400 PPM	80 PPM

Urinary Bladder  
 Carcinoma or Papilloma

TUMOR RATES

OVERALL (a)	0/98 (0%)	0/99 (0%)	0/99 (0%)	1/147 (1%)	0/149 (0%)	0/147 (0%)
POLY-3 RATE (b)	0/75.11	0/69.74	0/70.12	1/98.34	0/102.49	0/95.57
POLY-3 PERCENT (g)	0%	0%	0%	1%	0%	0%
TERMINAL (d)	0/45 (0%)	0/36 (0%)	0/30 (0%)	0/45 (0%)	0/45 (0%)	0/46 (0%)
FIRST INCIDENCE	---	---	---	681	---	---

STATISTICAL TESTS

LIFE TABLE	(e)	(e)	(e)	P=0.510	(e)	(e)
POLY 3	(e)	(e)	(e)	P=0.499	(e)	(e)
POLY 1.5	(e)	(e)	(e)	P=0.496	(e)	(e)
POLY 6	(e)	(e)	(e)	P=0.506	(e)	(e)
LOGISTIC REGRESSION	(e)	(e)	(e)	P=0.502	(e)	(e)
COCH-ARM / FISHERS	(e)	(e)	(e)	P=0.497	(e)	(e)
ORDER RESTRICTED	(e)	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	(e)



P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Date Report Requested: 01/28/2008

Test Type: CHRONIC-LIFETIME

Aspartame

Time Report Requested: 17:57:48

Route: DOSED FEED

CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
 TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Females					
	100000 PPM	50000 PPM	10000 PPM	2000 PPM	400 PPM	80 PPM
<b>Uterus Adenoma</b>						
<b>TUMOR RATES</b>	#	#	#	#	#	#
OVERALL (a)	0/100 (0%)	0/100 (0%)	0/100 (0%)	1/150 (1%)	0/150 (0%)	1/150 (1%)
POLY-3 RATE (b)	0/75.87	0/70.59	0/70.68	1/98.95	0/102.84	1/97.94
POLY-3 PERCENT (g)	0%	0%	0%	1%	0%	1%
TERMINAL (d)	0/45 (0%)	0/36 (0%)	0/30 (0%)	1/45 (2%)	0/45 (0%)	0/46 (0%)
FIRST INCIDENCE	---	---	---	730 (T)	---	440
<b>STATISTICAL TESTS</b>						
LIFE TABLE	P=0.258N	P=0.293N	P=0.318N	P=0.474N	P=0.225N	P=0.496N
POLY 3	P=0.298N	P=0.315N	P=0.315N	P=0.501N	P=0.231N	P=0.505N
POLY 1.5	P=0.312N	P=0.322N	P=0.322N	P=0.504N	P=0.234N	P=0.503N
POLY 6	P=0.277N	P=0.304N	P=0.305N	P=0.494N	P=0.225N	P=0.501N
LOGISTIC REGRESSION	P=0.316N	P=0.322N	P=0.322N	P=0.495N	P=0.234N	P=0.496N
COCH-ARM / FISHERS	P=0.359N	P=0.359N	P=0.359N	P=0.500N	P=0.249N	P=0.500N
ORDER RESTRICTED	(e)	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	(e)

**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**

Aspartame

CAS Number: 22839-47-0

Date Report Requested: 01/28/2008

Time Report Requested: 17:57:48

First Dose M/F: 06/27/97 / 06/27/97

Lab: CRC

Test Type: CHRONIC-LIFETIME

Route: DOSED FEED

Species/Strain: RATS/SD

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
TERMINAL SACRIFICE AT 105 WEEKS**

---

**Females**

**DOSE**                      **0 PPM**

---

**Uterus  
Adenoma**

---

<b>TUMOR RATES</b>	<b>#</b>
OVERALL (a)	2/150 (1%)
POLY-3 RATE (b)	2/99.22
POLY-3 PERCENT (g)	2%
TERMINAL (d)	1/40 (3%)
FIRST INCIDENCE	568

---

**STATISTICAL TESTS**

LIFE TABLE	P=0.205N
POLY 3	P=0.236N
POLY 1.5	P=0.238N
POLY 6	P=0.232N
LOGISTIC REGRESSION	P=0.243N
COCH-ARM / FISHERS	P=0.242N
ORDER RESTRICTED	P=0.088N
MAX-ISO-POLY-3	P=0.100N

---

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Date Report Requested: 01/28/2008

Test Type: CHRONIC-LIFETIME

Aspartame

Time Report Requested: 17:57:48

Route: DOSED FEED

CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
 TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Females					
	100000 PPM	50000 PPM	10000 PPM	2000 PPM	400 PPM	80 PPM
<b>Uterus Carcinoma</b>						
<b>TUMOR RATES</b>	#	#	#	#	#	#
OVERALL (a)	2/100 (2%)	4/100 (4%)	1/100 (1%)	3/150 (2%)	1/150 (1%)	0/150 (0%)
POLY-3 RATE (b)	2/75.94	4/72.04	1/70.73	3/99.71	1/103.09	0/97.16
POLY-3 PERCENT (g)	2.6%	5.6%	1.4%	3%	1%	0%
TERMINAL (d)	1/45 (2%)	1/36 (3%)	0/30 (0%)	0/45 (0%)	0/45 (0%)	0/46 (0%)
FIRST INCIDENCE	712	419	717	641	662	---
<b>STATISTICAL TESTS</b>						
LIFE TABLE	P=0.467N	P=0.405	P=0.375N	P=0.626N	P=0.263N	P=0.106N
POLY 3	P=0.620N	P=0.331	P=0.432N	P=0.658N	P=0.293N	P=0.125N
POLY 1.5	P=0.645N	P=0.314	P=0.443N	P=0.657	P=0.299N	P=0.124N
POLY 6	P=0.582N	P=0.359	P=0.417N	P=0.646N	P=0.284N	P=0.123N
LOGISTIC REGRESSION	P=0.562N	P=0.306	P=0.410N	P=0.655N	P=0.286N	P=0.122N
COCH-ARM / FISHERS	P=0.665	P=0.287	P=0.475N	P=0.658N	P=0.311N	P=0.124N
ORDER RESTRICTED	(e)	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	(e)



P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Date Report Requested: 01/28/2008

Test Type: CHRONIC-LIFETIME

Aspartame

Time Report Requested: 17:57:48

Route: DOSED FEED

CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
 TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Females					
	100000 PPM	50000 PPM	10000 PPM	2000 PPM	400 PPM	80 PPM
<b>Uterus</b>						
<b>Fibroangioma</b>						
<b>TUMOR RATES</b>	#	#	#	#	#	#
OVERALL (a)	1/100 (1%)	1/100 (1%)	1/100 (1%)	2/150 (1%)	0/150 (0%)	1/150 (1%)
POLY-3 RATE (b)	1/76.22	1/70.59	1/70.93	2/100.24	0/102.84	1/97.16
POLY-3 PERCENT (g)	1.3%	1.4%	1.4%	2%	0%	1%
TERMINAL (d)	0/45 (0%)	1/36 (3%)	0/30 (0%)	0/45 (0%)	0/45 (0%)	1/46 (2%)
FIRST INCIDENCE	630	730 (T)	663	503	---	730 (T)
<b>STATISTICAL TESTS</b>						
LIFE TABLE	P=0.302N	P=0.359N	P=0.402N	P=0.477N	P=0.104N	P=0.266N
POLY 3	P=0.403N	P=0.433N	P=0.431N	P=0.495N	P=0.115N	P=0.314N
POLY 1.5	P=0.427N	P=0.444N	P=0.442N	P=0.501N	P=0.118N	P=0.312N
POLY 6	P=0.367N	P=0.415N	P=0.414N	P=0.481N	P=0.111N	P=0.310N
LOGISTIC REGRESSION	P=0.395N	P=0.397N	P=0.417N	P=0.501N	P=0.108N	P=0.299N
COCH-ARM / FISHERS	P=0.475N	P=0.475N	P=0.475N	P=0.500N	P=0.124N	P=0.311N
ORDER RESTRICTED	(e)	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	(e)



**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**

Aspartame

CAS Number: 22839-47-0

Date Report Requested: 01/28/2008

Time Report Requested: 17:57:48

First Dose M/F: 06/27/97 / 06/27/97

Lab: CRC

Test Type: CHRONIC-LIFETIME

Route: DOSED FEED

Species/Strain: RATS/SD

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
TERMINAL SACRIFICE AT 105 WEEKS**

---

**Females**

**DOSE**                      **0 PPM**

---

**Uterus  
Fibroangioma**

---

<b>TUMOR RATES</b>	<b>#</b>
OVERALL (a)	3/150 (2%)
POLY-3 RATE (b)	3/99.06
POLY-3 PERCENT (g)	3%
TERMINAL (d)	2/40 (5%)
FIRST INCIDENCE	629

---

**STATISTICAL TESTS**

LIFE TABLE	P=0.479N
POLY 3	P=0.562N
POLY 1.5	P=0.580N
POLY 6	P=0.538N
LOGISTIC REGRESSION	P=0.571N
COCH-ARM / FISHERS	P=0.600
ORDER RESTRICTED	P=0.293N
MAX-ISO-POLY-3	P=0.303N

---

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Date Report Requested: 01/28/2008

Test Type: CHRONIC-LIFETIME

Aspartame

Time Report Requested: 17:57:48

Route: DOSED FEED

CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
 TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Females					
	100000 PPM	50000 PPM	10000 PPM	2000 PPM	400 PPM	80 PPM
<b>Uterus Fibroma</b>						
<b>TUMOR RATES</b>	#	#	#	#	#	#
OVERALL (a)	0/100 (0%)	2/100 (2%)	0/100 (0%)	0/150 (0%)	0/150 (0%)	0/150 (0%)
POLY-3 RATE (b)	0/75.87	2/71.51	0/70.68	0/98.95	0/102.84	0/97.16
POLY-3 PERCENT (g)	0%	2.8%	0%	0%	0%	0%
TERMINAL (d)	0/45 (0%)	0/36 (0%)	0/30 (0%)	0/45 (0%)	0/45 (0%)	0/46 (0%)
FIRST INCIDENCE	---	502	---	---	---	---
<b>STATISTICAL TESTS</b>						
LIFE TABLE	(e)	P=0.179	(e)	(e)	(e)	(e)
POLY 3	(e)	P=0.169	(e)	(e)	(e)	(e)
POLY 1.5	(e)	P=0.162	(e)	(e)	(e)	(e)
POLY 6	(e)	P=0.179	(e)	(e)	(e)	(e)
LOGISTIC REGRESSION	(e)	P=0.147	(e)	(e)	(e)	(e)
COCH-ARM / FISHERS	(e)	P=0.159	(e)	(e)	(e)	(e)
ORDER RESTRICTED	(e)	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	(e)

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Date Report Requested: 01/28/2008

Test Type: CHRONIC-LIFETIME

Aspartame

Time Report Requested: 17:57:48

Route: DOSED FEED

CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
TERMINAL SACRIFICE AT 105 WEEKS

Females

DOSE 0 PPM

Uterus  
Fibroma

TUMOR RATES	#
OVERALL (a)	0/150 (0%)
POLY-3 RATE (b)	0/98.69
POLY-3 PERCENT (g)	0%
TERMINAL (d)	0/40 (0%)
FIRST INCIDENCE	---

STATISTICAL TESTS

LIFE TABLE	P=0.233
POLY 3	P=0.262
POLY 1.5	P=0.235
POLY 6	P=0.300
LOGISTIC REGRESSION	P=0.183
COCH-ARM / FISHERS	P=0.202
ORDER RESTRICTED	P=0.105
MAX-ISO-POLY-3	P=0.116

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Date Report Requested: 01/28/2008

Test Type: CHRONIC-LIFETIME

Aspartame

Time Report Requested: 17:57:48

Route: DOSED FEED

CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
 TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Females					
	100000 PPM	50000 PPM	10000 PPM	2000 PPM	400 PPM	80 PPM

Uterus  
 Leukemia Lymphoblastic

TUMOR RATES	#	#	#	#	#	#
OVERALL (a)	0/100 (0%)	0/100 (0%)	0/100 (0%)	2/150 (1%)	0/150 (0%)	0/150 (0%)
POLY-3 RATE (b)	0/75.87	0/70.59	0/70.68	2/100.93	0/102.84	0/97.16
POLY-3 PERCENT (g)	0%	0%	0%	2%	0%	0%
TERMINAL (d)	0/45 (0%)	0/36 (0%)	0/30 (0%)	0/45 (0%)	0/45 (0%)	0/46 (0%)
FIRST INCIDENCE	---	---	---	100	---	---

STATISTICAL TESTS

LIFE TABLE	(e)	(e)	(e)	P=0.238	(e)	(e)
POLY 3	(e)	(e)	(e)	P=0.243	(e)	(e)
POLY 1.5	(e)	(e)	(e)	P=0.240	(e)	(e)
POLY 6	(e)	(e)	(e)	P=0.250	(e)	(e)
LOGISTIC REGRESSION	(e)	(e)	(e)	P=0.806	(e)	(e)
COCH-ARM / FISHERS	(e)	(e)	(e)	P=0.249	(e)	(e)
ORDER RESTRICTED	(e)	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	(e)

**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**

Aspartame

CAS Number: 22839-47-0

Date Report Requested: 01/28/2008

Time Report Requested: 17:57:48

First Dose M/F: 06/27/97 / 06/27/97

Lab: CRC

Test Type: CHRONIC-LIFETIME

Route: DOSED FEED

Species/Strain: RATS/SD

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
TERMINAL SACRIFICE AT 105 WEEKS**

---

**Females**

**DOSE**                      **0 PPM**

---

**Uterus**  
**Leukemia Lymphoblastic**

---

<b>TUMOR RATES</b>	#
OVERALL (a)	0/150 (0%)
POLY-3 RATE (b)	0/98.69
POLY-3 PERCENT (g)	0%
TERMINAL (d)	0/40 (0%)
FIRST INCIDENCE	---

---

**STATISTICAL TESTS**

LIFE TABLE	P=0.436N
POLY 3	P=0.431N
POLY 1.5	P=0.434N
POLY 6	P=0.425N
LOGISTIC REGRESSION	P=0.525N
COCH-ARM / FISHERS	P=0.437N
ORDER RESTRICTED	P=0.453
MAX-ISO-POLY-3	P=0.456

---

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Date Report Requested: 01/28/2008

Test Type: CHRONIC-LIFETIME

Aspartame

Time Report Requested: 17:57:48

Route: DOSED FEED

CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
 TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Females					
	100000 PPM	50000 PPM	10000 PPM	2000 PPM	400 PPM	80 PPM
<b>Uterus</b>						
<b>Leukemia Monocytic</b>						
<b>TUMOR RATES</b>	#	#	#	#	#	#
OVERALL (a)	1/100 (1%)	0/100 (0%)	1/100 (1%)	0/150 (0%)	2/150 (1%)	2/150 (1%)
POLY-3 RATE (b)	1/75.87	0/70.59	1/70.68	0/98.95	2/102.87	2/97.19
POLY-3 PERCENT (g)	1.3%	0%	1.4%	0%	1.9%	2.1%
TERMINAL (d)	1/45 (2%)	0/36 (0%)	1/30 (3%)	0/45 (0%)	0/45 (0%)	1/46 (2%)
FIRST INCIDENCE	730 (T)	---	730 (T)	---	724	723
<b>STATISTICAL TESTS</b>						
LIFE TABLE	P=0.523	(e)	P=0.443	(e)	P=0.285	P=0.271
POLY 3	P=0.447	(e)	P=0.433	(e)	P=0.248	P=0.235
POLY 1.5	P=0.435	(e)	P=0.427	(e)	P=0.244	P=0.236
POLY 6	P=0.465	(e)	P=0.441	(e)	P=0.254	P=0.237
LOGISTIC REGRESSION	P=0.523	(e)	P=0.443	(e)	P=0.276	P=0.259
COCH-ARM / FISHERS	P=0.400	(e)	P=0.400	(e)	P=0.249	P=0.249
ORDER RESTRICTED	(e)	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	(e)

**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**

Aspartame

CAS Number: 22839-47-0

Date Report Requested: 01/28/2008

Time Report Requested: 17:57:48

First Dose M/F: 06/27/97 / 06/27/97

Lab: CRC

Test Type: CHRONIC-LIFETIME

Route: DOSED FEED

Species/Strain: RATS/SD

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
TERMINAL SACRIFICE AT 105 WEEKS**

---

**Females**

**DOSE**                      **0 PPM**

---

**Uterus  
Leukemia Monocytic**

---

<b>TUMOR RATES</b>	#
OVERALL (a)	0/150 (0%)
POLY-3 RATE (b)	0/98.69
POLY-3 PERCENT (g)	0%
TERMINAL (d)	0/40 (0%)
FIRST INCIDENCE	---

---

**STATISTICAL TESTS**

LIFE TABLE	P=0.491N
POLY 3	P=0.607N
POLY 1.5	P=0.617N
POLY 6	P=0.591N
LOGISTIC REGRESSION	P=0.506N
COCH-ARM / FISHERS	P=0.614
ORDER RESTRICTED	P=0.366
MAX-ISO-POLY-3	P=0.373

---

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Date Report Requested: 01/28/2008

Test Type: CHRONIC-LIFETIME

Aspartame

Time Report Requested: 17:57:48

Route: DOSED FEED

CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
 TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Females					
	100000 PPM	50000 PPM	10000 PPM	2000 PPM	400 PPM	80 PPM

Uterus  
 Leukemia Myeloid

TUMOR RATES	#	#	#	#	#	#
OVERALL (a)	2/100 (2%)	0/100 (0%)	0/100 (0%)	1/150 (1%)	0/150 (0%)	0/150 (0%)
POLY-3 RATE (b)	2/76.77	0/70.59	0/70.68	1/98.96	0/102.84	0/97.16
POLY-3 PERCENT (g)	2.6%	0%	0%	1%	0%	0%
TERMINAL (d)	1/45 (2%)	0/36 (0%)	0/30 (0%)	0/45 (0%)	0/45 (0%)	0/46 (0%)
FIRST INCIDENCE	331	---	---	729	---	---

STATISTICAL TESTS

LIFE TABLE	P=0.211	(e)	(e)	P=0.532	(e)	(e)
POLY 3	P=0.182	(e)	(e)	P=0.501	(e)	(e)
POLY 1.5	P=0.170	(e)	(e)	P=0.498	(e)	(e)
POLY 6	P=0.202	(e)	(e)	P=0.505	(e)	(e)
LOGISTIC REGRESSION	P=0.110	(e)	(e)	P=0.530	(e)	(e)
COCH-ARM / FISHERS	P=0.159	(e)	(e)	P=0.500	(e)	(e)
ORDER RESTRICTED	(e)	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	(e)



**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**

Aspartame

CAS Number: 22839-47-0

Date Report Requested: 01/28/2008

Time Report Requested: 17:57:48

First Dose M/F: 06/27/97 / 06/27/97

Lab: CRC

Test Type: CHRONIC-LIFETIME

Route: DOSED FEED

Species/Strain: RATS/SD

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
TERMINAL SACRIFICE AT 105 WEEKS**

---

**Females**

**DOSE**                      **0 PPM**

---

**Uterus  
Leukemia Myeloid**

---

<b>TUMOR RATES</b>	#
OVERALL (a)	0/150 (0%)
POLY-3 RATE (b)	0/98.69
POLY-3 PERCENT (g)	0%
TERMINAL (d)	0/40 (0%)
FIRST INCIDENCE	---

---

**STATISTICAL TESTS**

LIFE TABLE	P=0.034*
POLY 3	P=0.018*
POLY 1.5	P=0.016*
POLY 6	P=0.019*
LOGISTIC REGRESSION	P=0.012*
COCH-ARM / FISHERS	P=0.015*
ORDER RESTRICTED	P=0.010**
MAX-ISO-POLY-3	P=0.013*

---

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Date Report Requested: 01/28/2008

Test Type: CHRONIC-LIFETIME

Aspartame

Time Report Requested: 17:57:48

Route: DOSED FEED

CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
 TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Females					
	100000 PPM	50000 PPM	10000 PPM	2000 PPM	400 PPM	80 PPM
<b>Uterus</b>						
<b>Polyp Stromal</b>						
<b>TUMOR RATES</b>	#	#	#	#	#	#
OVERALL (a)	42/100 (42%)	39/100 (39%)	28/100 (28%)	23/150 (15%)	35/150 (23%)	51/150 (34%)
POLY-3 RATE (b)	42/82.96	39/78.83	28/76.39	23/104.71	35/109.1	51/108.8
POLY-3 PERCENT (g)	50.6%	49.5%	36.7%	22%	32.1%	46.9%
TERMINAL (d)	22/45 (49%)	17/36 (47%)	10/30 (33%)	9/45 (20%)	15/45 (33%)	25/46 (54%)
FIRST INCIDENCE	473	419	445	198	471	392
<b>STATISTICAL TESTS</b>						
LIFE TABLE	P=0.296	P=0.169	P=0.501N	P=0.017N*	P=0.251N	P=0.138
POLY 3	P=0.015*	P=0.025*	P=0.464	P=0.022N*	P=0.378N	P=0.040*
POLY 1.5	P=0.008**	P=0.019*	P=0.423	P=0.024N*	P=0.384N	P=0.048*
POLY 6	P=0.042*	P=0.038*	P=0.541	P=0.019N*	P=0.362N	P=0.037*
LOGISTIC REGRESSION	P=0.015*	P=0.024*	P=0.457	P=0.023N*	P=0.334N	P=0.053
COCH-ARM / FISHERS	P=0.004**	P=0.016*	P=0.372	P=0.022N*	P=0.394N	P=0.065
ORDER RESTRICTED	(e)	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	(e)

**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**

Aspartame

CAS Number: 22839-47-0

Date Report Requested: 01/28/2008

Time Report Requested: 17:57:48

First Dose M/F: 06/27/97 / 06/27/97

Lab: CRC

Test Type: CHRONIC-LIFETIME

Route: DOSED FEED

Species/Strain: RATS/SD

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
TERMINAL SACRIFICE AT 105 WEEKS**

---

**Females**

**DOSE**                      **0 PPM**

---

**Uterus  
Polyp Stromal**

---

<b>TUMOR RATES</b>	<b>#</b>
OVERALL (a)	38/150 (25%)
POLY-3 RATE (b)	38/108.82
POLY-3 PERCENT (g)	34.9%
TERMINAL (d)	14/40 (35%)
FIRST INCIDENCE	284

---

**STATISTICAL TESTS**

LIFE TABLE	P=0.046*
POLY 3	P<0.001**
POLY 1.5	P<0.001**
POLY 6	P<0.001**
LOGISTIC REGRESSION	P<0.001**
COCH-ARM / FISHERS	P<0.001**
ORDER RESTRICTED	P=0.010**
MAX-ISO-POLY-3	P<0.001**

---

**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**

Date Report Requested: 01/28/2008

Test Type: CHRONIC-LIFETIME

Aspartame

Time Report Requested: 17:57:48

Route: DOSED FEED

CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females					
	100000 PPM	50000 PPM	10000 PPM	2000 PPM	400 PPM	80 PPM

**Uterus  
Sarcoma Stromal or Polyp Stromal**

TUMOR RATES	#	#	#	#	#	#
OVERALL (a)	42/100 (42%)	39/100 (39%)	28/100 (28%)	23/150 (15%)	35/150 (23%)	51/150 (34%)
POLY-3 RATE (b)	42/82.96	39/78.83	28/76.39	23/104.71	35/109.1	51/108.8
POLY-3 PERCENT (g)	50.6%	49.5%	36.7%	22%	32.1%	46.9%
TERMINAL (d)	22/45 (49%)	17/36 (47%)	10/30 (33%)	9/45 (20%)	15/45 (33%)	25/46 (54%)
FIRST INCIDENCE	473	419	445	198	471	392

**STATISTICAL TESTS**

LIFE TABLE	P=0.296	P=0.169	P=0.501N	P=0.017N*	P=0.251N	P=0.138
POLY 3	P=0.015*	P=0.025*	P=0.464	P=0.022N*	P=0.378N	P=0.040*
POLY 1.5	P=0.008**	P=0.019*	P=0.423	P=0.024N*	P=0.384N	P=0.048*
POLY 6	P=0.042*	P=0.038*	P=0.541	P=0.019N*	P=0.362N	P=0.037*
LOGISTIC REGRESSION	P=0.015*	P=0.024*	P=0.457	P=0.023N*	P=0.334N	P=0.053
COCH-ARM / FISHERS	P=0.004**	P=0.016*	P=0.372	P=0.022N*	P=0.394N	P=0.065
ORDER RESTRICTED	(e)	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	(e)

**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**

Aspartame

CAS Number: 22839-47-0

Date Report Requested: 01/28/2008

Time Report Requested: 17:57:48

First Dose M/F: 06/27/97 / 06/27/97

Lab: CRC

Test Type: CHRONIC-LIFETIME

Route: DOSED FEED

Species/Strain: RATS/SD

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
TERMINAL SACRIFICE AT 105 WEEKS**

---

**Females**

**DOSE**                      **0 PPM**

---

**Uterus**  
**Sarcoma Stromal or Polyp Stromal**

---

<b>TUMOR RATES</b>	<b>#</b>
OVERALL (a)	38/150 (25%)
POLY-3 RATE (b)	38/108.82
POLY-3 PERCENT (g)	34.9%
TERMINAL (d)	14/40 (35%)
FIRST INCIDENCE	284

---

**STATISTICAL TESTS**

LIFE TABLE	P=0.046*
POLY 3	P<0.001**
POLY 1.5	P<0.001**
POLY 6	P<0.001**
LOGISTIC REGRESSION	P<0.001**
COCH-ARM / FISHERS	P<0.001**
ORDER RESTRICTED	P=0.010**
MAX-ISO-POLY-3	P<0.001**

---

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Date Report Requested: 01/28/2008

Test Type: CHRONIC-LIFETIME

Aspartame

Time Report Requested: 17:57:48

Route: DOSED FEED

CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
 TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Females					
	100000 PPM	50000 PPM	10000 PPM	2000 PPM	400 PPM	80 PPM
<b>Uterus Schwannoma Malignant</b>						
<b>TUMOR RATES</b>	#	#	#	#	#	#
OVERALL (a)	3/100 (3%)	1/100 (1%)	4/100 (4%)	3/150 (2%)	4/150 (3%)	2/150 (1%)
POLY-3 RATE (b)	3/75.96	1/71.28	4/71.41	3/99.49	4/104.98	2/97.78
POLY-3 PERCENT (g)	4%	1.4%	5.6%	3%	3.8%	2.1%
TERMINAL (d)	2/45 (4%)	0/36 (0%)	1/30 (3%)	2/45 (4%)	0/45 (0%)	1/46 (2%)
FIRST INCIDENCE	707	494	599	563	393	528
<b>STATISTICAL TESTS</b>						
LIFE TABLE	P=0.406N	P=0.204N	P=0.596	P=0.345N	P=0.469N	P=0.232N
POLY 3	P=0.519N	P=0.201N	P=0.564	P=0.367N	P=0.476N	P=0.233N
POLY 1.5	P=0.548N	P=0.211N	P=0.550	P=0.368N	P=0.485N	P=0.229N
POLY 6	P=0.476N	P=0.188N	P=0.585	P=0.360N	P=0.462N	P=0.233N
LOGISTIC REGRESSION	P=0.566N	P=0.240N	P=0.536	P=0.362N	P=0.523N	P=0.221N
COCH-ARM / FISHERS	P=0.595N	P=0.230N	P=0.518	P=0.361N	P=0.500N	P=0.224N
ORDER RESTRICTED	(e)	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	(e)

**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**

Aspartame

CAS Number: 22839-47-0

Date Report Requested: 01/28/2008

Time Report Requested: 17:57:48

First Dose M/F: 06/27/97 / 06/27/97

Lab: CRC

Test Type: CHRONIC-LIFETIME

Route: DOSED FEED

Species/Strain: RATS/SD

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)**

**TERMINAL SACRIFICE AT 105 WEEKS**

---

**Females**

**DOSE**                      **0 PPM**

---

**Uterus**  
**Schwannoma Malignant**

---

<b>TUMOR RATES</b>	<b>#</b>
OVERALL (a)	5/150 (3%)
POLY-3 RATE (b)	5/100.89
POLY-3 PERCENT (g)	5%
TERMINAL (d)	0/40 (0%)
FIRST INCIDENCE	494

---

**STATISTICAL TESTS**

LIFE TABLE	P=0.398N
POLY 3	P=0.491N
POLY 1.5	P=0.519N
POLY 6	P=0.454N
LOGISTIC REGRESSION	P=0.552N
COCH-ARM / FISHERS	P=0.559N
ORDER RESTRICTED	P=0.412N
MAX-ISO-POLY-3	P=0.418N

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P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Date Report Requested: 01/28/2008

Test Type: CHRONIC-LIFETIME

Aspartame

Time Report Requested: 17:57:48

Route: DOSED FEED

CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
 TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Females					
	100000 PPM	50000 PPM	10000 PPM	2000 PPM	400 PPM	80 PPM

Uterus  
 Squamous Cell Carcinoma

TUMOR RATES	#	#	#	#	#	#
OVERALL (a)	0/100 (0%)	0/100 (0%)	2/100 (2%)	2/150 (1%)	1/150 (1%)	0/150 (0%)
POLY-3 RATE (b)	0/75.87	0/70.59	2/70.68	2/99.85	1/103.15	0/97.16
POLY-3 PERCENT (g)	0%	0%	2.8%	2%	1%	0%
TERMINAL (d)	0/45 (0%)	0/36 (0%)	2/30 (7%)	1/45 (2%)	0/45 (0%)	0/46 (0%)
FIRST INCIDENCE	---	---	730 (T)	341	645	---

STATISTICAL TESTS

LIFE TABLE	(e)	(e)	P=0.177	P=0.252	P=0.524	(e)
POLY 3	(e)	(e)	P=0.166	P=0.241	P=0.509	(e)
POLY 1.5	(e)	(e)	P=0.162	P=0.238	P=0.505	(e)
POLY 6	(e)	(e)	P=0.174	P=0.247	P=0.515	(e)
LOGISTIC REGRESSION	(e)	(e)	P=0.177	P=0.252	P=0.504	(e)
COCH-ARM / FISHERS	(e)	(e)	P=0.159	P=0.249	P=0.500	(e)
ORDER RESTRICTED	(e)	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	(e)



P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Date Report Requested: 01/28/2008

Test Type: CHRONIC-LIFETIME

Aspartame

Time Report Requested: 17:57:48

Route: DOSED FEED

CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)

TERMINAL SACRIFICE AT 105 WEEKS

Females

DOSE 0 PPM

Uterus  
Squamous Cell Carcinoma

TUMOR RATES	#
OVERALL (a)	0/150 (0%)
POLY-3 RATE (b)	0/98.69
POLY-3 PERCENT (g)	0%
TERMINAL (d)	0/40 (0%)
FIRST INCIDENCE	---

STATISTICAL TESTS

LIFE TABLE	P=0.222N
POLY 3	P=0.252N
POLY 1.5	P=0.266N
POLY 6	P=0.234N
LOGISTIC REGRESSION	P=0.278N
COCH-ARM / FISHERS	P=0.284N
ORDER RESTRICTED	P=0.345
MAX-ISO-POLY-3	P=0.352

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Date Report Requested: 01/28/2008

Test Type: CHRONIC-LIFETIME

Aspartame

Time Report Requested: 17:57:48

Route: DOSED FEED

CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
 TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Females					
	100000 PPM	50000 PPM	10000 PPM	2000 PPM	400 PPM	80 PPM
<b>Vagina Polyp</b>						
<b>TUMOR RATES</b>	#	#	#	#	#	#
OVERALL (a)	1/100 (1%)	1/100 (1%)	0/100 (0%)	0/150 (0%)	0/150 (0%)	2/150 (1%)
POLY-3 RATE (b)	1/76.15	1/70.59	0/70.68	0/98.95	0/102.84	2/97.81
POLY-3 PERCENT (g)	1.3%	1.4%	0%	0%	0%	2%
TERMINAL (d)	0/45 (0%)	1/36 (3%)	0/30 (0%)	0/45 (0%)	0/45 (0%)	0/46 (0%)
FIRST INCIDENCE	653	730 (T)	---	---	---	534
<b>STATISTICAL TESTS</b>						
LIFE TABLE	P=0.482	P=0.479	(e)	(e)	(e)	P=0.245
POLY 3	P=0.448	P=0.433	(e)	(e)	(e)	P=0.236
POLY 1.5	P=0.435	P=0.427	(e)	(e)	(e)	P=0.237
POLY 6	P=0.467	P=0.442	(e)	(e)	(e)	P=0.240
LOGISTIC REGRESSION	P=0.432	P=0.479	(e)	(e)	(e)	P=0.238
COCH-ARM / FISHERS	P=0.400	P=0.400	(e)	(e)	(e)	P=0.249
ORDER RESTRICTED	(e)	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	(e)

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Date Report Requested: 01/28/2008

Test Type: CHRONIC-LIFETIME

Aspartame

Time Report Requested: 17:57:48

Route: DOSED FEED

CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
TERMINAL SACRIFICE AT 105 WEEKS

Females

DOSE 0 PPM

Vagina  
Polyp

TUMOR RATES	#
OVERALL (a)	0/150 (0%)
POLY-3 RATE (b)	0/98.69
POLY-3 PERCENT (g)	0%
TERMINAL (d)	0/40 (0%)
FIRST INCIDENCE	---

STATISTICAL TESTS

LIFE TABLE	P=0.289
POLY 3	P=0.246
POLY 1.5	P=0.231
POLY 6	P=0.270
LOGISTIC REGRESSION	P=0.234
COCH-ARM / FISHERS	P=0.211
ORDER RESTRICTED	P=0.253
MAX-ISO-POLY-3	P=0.263

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Date Report Requested: 01/28/2008

Test Type: CHRONIC-LIFETIME

Aspartame

Time Report Requested: 17:57:48

Route: DOSED FEED

CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
 TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Females					
	100000 PPM	50000 PPM	10000 PPM	2000 PPM	400 PPM	80 PPM

Zymbal's Gland  
 Squamous Cell Carcinoma

TUMOR RATES	#	#	#	#	#	#
OVERALL (a)	1/100 (1%)	1/100 (1%)	2/100 (2%)	2/150 (1%)	3/150 (2%)	1/150 (1%)
POLY-3 RATE (b)	1/76.02	1/70.92	2/70.91	2/99.25	3/103.8	1/97.16
POLY-3 PERCENT (g)	1.3%	1.4%	2.8%	2%	2.9%	1%
TERMINAL (d)	0/45 (0%)	0/36 (0%)	0/30 (0%)	1/45 (2%)	1/45 (2%)	1/46 (2%)
FIRST INCIDENCE	691	640	675	650	576	730 (T)

STATISTICAL TESTS

LIFE TABLE	P=0.506N	P=0.566N	P=0.597	P=0.664N	P=0.526	P=0.475N
POLY 3	P=0.592N	P=0.615N	P=0.570	P=0.692N	P=0.522	P=0.506N
POLY 1.5	P=0.613N	P=0.626N	P=0.558	P=0.690	P=0.512	P=0.504N
POLY 6	P=0.561N	P=0.598N	P=0.587	P=0.683N	P=0.537	P=0.503N
LOGISTIC REGRESSION	P=0.557N	P=0.608N	P=0.593	P=0.681N	P=0.516	P=0.489N
COCH-ARM / FISHERS	P=0.649N	P=0.649N	P=0.525	P=0.689N	P=0.500	P=0.500N
ORDER RESTRICTED	(e)	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	(e)

**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**

Aspartame

CAS Number: 22839-47-0

Date Report Requested: 01/28/2008

Time Report Requested: 17:57:48

First Dose M/F: 06/27/97 / 06/27/97

Lab: CRC

Test Type: CHRONIC-LIFETIME

Route: DOSED FEED

Species/Strain: RATS/SD

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)**

**TERMINAL SACRIFICE AT 105 WEEKS**

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**Females**

**DOSE**                      **0 PPM**

---

**Zymbal's Gland  
Squamous Cell Carcinoma**

---

<b>TUMOR RATES</b>	<b>#</b>
OVERALL (a)	2/150 (1%)
POLY-3 RATE (b)	2/98.92
POLY-3 PERCENT (g)	2%
TERMINAL (d)	1/40 (3%)
FIRST INCIDENCE	671

---

**STATISTICAL TESTS**

LIFE TABLE	P=0.306N
POLY 3	P=0.379N
POLY 1.5	P=0.403N
POLY 6	P=0.347N
LOGISTIC REGRESSION	P=0.372N
COCH-ARM / FISHERS	P=0.436N
ORDER RESTRICTED	P=0.656N
MAX-ISO-POLY-3	P=0.654N

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P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Date Report Requested: 01/28/2008

Test Type: CHRONIC-LIFETIME

Aspartame

Time Report Requested: 17:57:48

Route: DOSED FEED

CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
 TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Females					
	100000 PPM	50000 PPM	10000 PPM	2000 PPM	400 PPM	80 PPM
<b>All Organs</b>						
<b>Hemangiosarcoma</b>						
<b>TUMOR RATES</b>	#	#	#	#	#	#
OVERALL (a)	0/100 (0%)	0/100 (0%)	0/100 (0%)	3/150 (2%)	1/150 (1%)	1/150 (1%)
POLY-3 RATE (b)	0/75.87	0/70.59	0/70.68	3/100.31	1/103.09	1/97.64
POLY-3 PERCENT (g)	0%	0%	0%	3%	1%	1%
TERMINAL (d)	0/45 (0%)	0/36 (0%)	0/30 (0%)	1/45 (2%)	0/45 (0%)	0/46 (0%)
FIRST INCIDENCE	---	---	---	293	662	586

STATISTICAL TESTS

LIFE TABLE	P=0.477N	P=0.521N	P=0.557N	P=0.325	P=0.736N	P=0.750N
POLY 3	P=0.553N	P=0.567N	P=0.567N	P=0.312	P=0.751N	P=0.758
POLY 1.5	P=0.565N	P=0.573N	P=0.573N	P=0.307	P=0.755N	P=0.759
POLY 6	P=0.535N	P=0.558N	P=0.559N	P=0.323	P=0.744N	P=0.760N
LOGISTIC REGRESSION	(e)	(e)	(e)	P=0.311	P=0.744N	P=0.759
COCH-ARM / FISHERS	P=0.600N	P=0.600N	P=0.600N	P=0.311	P=0.751N	P=0.751N
ORDER RESTRICTED	(e)	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	(e)

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Date Report Requested: 01/28/2008

Test Type: CHRONIC-LIFETIME

Aspartame

Time Report Requested: 17:57:48

Route: DOSED FEED

CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
TERMINAL SACRIFICE AT 105 WEEKS

Females

DOSE 0 PPM

All Organs  
Hemangiosarcoma

TUMOR RATES	#
OVERALL (a)	1/150 (1%)
POLY-3 RATE (b)	1/98.69
POLY-3 PERCENT (g)	1%
TERMINAL (d)	1/40 (3%)
FIRST INCIDENCE	730 (T)

STATISTICAL TESTS

LIFE TABLE	P=0.135N
POLY 3	P=0.152N
POLY 1.5	P=0.158N
POLY 6	P=0.143N
LOGISTIC REGRESSION	P=0.171N
COCH-ARM / FISHERS	P=0.165N
ORDER RESTRICTED	P=0.305N
MAX-ISO-POLY-3	P=0.297N

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Date Report Requested: 01/28/2008

Test Type: CHRONIC-LIFETIME

Aspartame

Time Report Requested: 17:57:48

Route: DOSED FEED

CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
 TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Females					
	100000 PPM	50000 PPM	10000 PPM	2000 PPM	400 PPM	80 PPM

All Organs  
 Hemangiosarcoma or Hemangioma

TUMOR RATES	#	#	#	#	#	#
OVERALL (a)	0/100 (0%)	0/100 (0%)	0/100 (0%)	3/150 (2%)	2/150 (1%)	1/150 (1%)
POLY-3 RATE (b)	0/75.87	0/70.59	0/70.68	3/100.31	2/103.52	1/97.64
POLY-3 PERCENT (g)	0%	0%	0%	3%	1.9%	1%
TERMINAL (d)	0/45 (0%)	0/36 (0%)	0/30 (0%)	1/45 (2%)	0/45 (0%)	0/46 (0%)
FIRST INCIDENCE	---	---	---	293	605	586

STATISTICAL TESTS

LIFE TABLE	P=0.477N	P=0.521N	P=0.557N	P=0.325	P=0.531	P=0.750N
POLY 3	P=0.553N	P=0.567N	P=0.567N	P=0.312	P=0.517	P=0.758
POLY 1.5	P=0.565N	P=0.573N	P=0.573N	P=0.307	P=0.509	P=0.759
POLY 6	P=0.535N	P=0.558N	P=0.559N	P=0.323	P=0.529	P=0.760N
LOGISTIC REGRESSION	(e)	(e)	(e)	P=0.311	P=0.514	P=0.759
COCH-ARM / FISHERS	P=0.600N	P=0.600N	P=0.600N	P=0.311	P=0.500	P=0.751N
ORDER RESTRICTED	(e)	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	(e)



**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**

**Test Type:** CHRONIC-LIFETIME  
**Route:** DOSED FEED  
**Species/Strain:** RATS/SD

Aspartame  
**CAS Number:** 22839-47-0

**Date Report Requested:** 01/28/2008  
**Time Report Requested:** 17:57:48  
**First Dose M/F:** 06/27/97 / 06/27/97  
**Lab:** CRC

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
TERMINAL SACRIFICE AT 105 WEEKS**

---

**Females**

**DOSE**                      **0 PPM**

---

**All Organs  
Hemangiosarcoma or Hemangioma**

---

<b>TUMOR RATES</b>	<b>#</b>
OVERALL (a)	1/150 (1%)
POLY-3 RATE (b)	1/98.69
POLY-3 PERCENT (g)	1%
TERMINAL (d)	1/40 (3%)
FIRST INCIDENCE	730 (T)

---

**STATISTICAL TESTS**

LIFE TABLE	P=0.109N
POLY 3	P=0.119N
POLY 1.5	P=0.126N
POLY 6	P=0.111N
LOGISTIC REGRESSION	P=0.139N
COCH-ARM / FISHERS	P=0.134N
ORDER RESTRICTED	P=0.267N
MAX-ISO-POLY-3	P=0.233N

---

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Date Report Requested: 01/28/2008

Test Type: CHRONIC-LIFETIME

Aspartame

Time Report Requested: 17:57:48

Route: DOSED FEED

CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
 TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Females					
	100000 PPM	50000 PPM	10000 PPM	2000 PPM	400 PPM	80 PPM

All Organs  
 Hemolymphoreticular Neoplasias

TUMOR RATES	#	#	#	#	#	#
OVERALL (a)	25/100 (25%)	25/100 (25%)	19/100 (19%)	28/150 (19%)	30/150 (20%)	22/150 (15%)
POLY-3 RATE (b)	25/82.36	25/75.75	19/73.01	28/106.93	30/112.13	22/101.48
POLY-3 PERCENT (g)	30.4%	33%	26%	26.2%	26.8%	21.7%
TERMINAL (d)	13/45 (29%)	12/36 (33%)	8/30 (27%)	10/45 (22%)	9/45 (20%)	9/46 (20%)
FIRST INCIDENCE	331	503	554	100	353	431

STATISTICAL TESTS

LIFE TABLE	P=0.020*	P=0.005**	P=0.045*	P=0.020*	P=0.013*	P=0.116
POLY 3	P=0.002**	P<0.001**	P=0.018*	P=0.010**	P=0.007**	P=0.063
POLY 1.5	P<0.001**	P<0.001**	P=0.016*	P=0.009**	P=0.005**	P=0.067
POLY 6	P=0.006**	P<0.001**	P=0.022*	P=0.013*	P=0.011*	P=0.067
LOGISTIC REGRESSION	P<0.001**	P<0.001**	P=0.025*	P=0.009**	P=0.005**	P=0.067
COCH-ARM / FISHERS	P<0.001**	P<0.001**	P=0.015*	P=0.009**	P=0.004**	P=0.075
ORDER RESTRICTED	(e)	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	(e)

**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**

Aspartame

CAS Number: 22839-47-0

Date Report Requested: 01/28/2008

Time Report Requested: 17:57:48

First Dose M/F: 06/27/97 / 06/27/97

Lab: CRC

Test Type: CHRONIC-LIFETIME

Route: DOSED FEED

Species/Strain: RATS/SD

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)**

**TERMINAL SACRIFICE AT 105 WEEKS**

---

**Females**

**DOSE**                      **0 PPM**

---

**All Organs**  
**Hemolymphoreticular Neoplasias**

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<b>TUMOR RATES</b>	<b>#</b>
OVERALL (a)	13/150 (9%)
POLY-3 RATE (b)	13/101.8
POLY-3 PERCENT (g)	12.8%
TERMINAL (d)	4/40 (10%)
FIRST INCIDENCE	485

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**STATISTICAL TESTS**

LIFE TABLE	P=0.136
POLY 3	P=0.020*
POLY 1.5	P=0.009**
POLY 6	P=0.051
LOGISTIC REGRESSION	P=0.007**
COCH-ARM / FISHERS	P=0.003**
ORDER RESTRICTED	P=0.002**
MAX-ISO-POLY-3	P=0.002**

---

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Date Report Requested: 01/28/2008

Test Type: CHRONIC-LIFETIME

Aspartame

Time Report Requested: 17:57:48

Route: DOSED FEED

CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
 TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Females					
	100000 PPM	50000 PPM	10000 PPM	2000 PPM	400 PPM	80 PPM

All Organs  
 Histiocytic Sarcoma

TUMOR RATES	#	#	#	#	#	#
OVERALL (a)	7/100 (7%)	8/100 (8%)	10/100 (10%)	8/150 (5%)	9/150 (6%)	6/150 (4%)
POLY-3 RATE (b)	7/78.75	8/71.42	10/72	8/100.95	9/105.8	6/98.59
POLY-3 PERCENT (g)	8.9%	11.2%	13.9%	7.9%	8.5%	6.1%
TERMINAL (d)	2/45 (4%)	5/36 (14%)	3/30 (10%)	4/45 (9%)	2/45 (4%)	2/46 (4%)
FIRST INCIDENCE	412	579	554	405	407	495

STATISTICAL TESTS

LIFE TABLE	P=0.205	P=0.118	P=0.031*	P=0.224	P=0.162	P=0.409
POLY 3	P=0.148	P=0.063	P=0.018*	P=0.191	P=0.149	P=0.366
POLY 1.5	P=0.121	P=0.057	P=0.016*	P=0.185	P=0.140	P=0.368
POLY 6	P=0.194	P=0.073	P=0.022*	P=0.205	P=0.167	P=0.376
LOGISTIC REGRESSION	P=0.080	P=0.074	P=0.022*	P=0.187	P=0.133	P=0.367
COCH-ARM / FISHERS	P=0.094	P=0.053	P=0.015*	P=0.189	P=0.128	P=0.375
ORDER RESTRICTED	(e)	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	(e)

**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**

Aspartame

CAS Number: 22839-47-0

Date Report Requested: 01/28/2008

Time Report Requested: 17:57:48

First Dose M/F: 06/27/97 / 06/27/97

Lab: CRC

Test Type: CHRONIC-LIFETIME

Route: DOSED FEED

Species/Strain: RATS/SD

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
TERMINAL SACRIFICE AT 105 WEEKS**

---

**Females**

**DOSE**                      **0 PPM**

---

**All Organs  
Histiocytic Sarcoma**

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<b>TUMOR RATES</b>	#
OVERALL (a)	4/150 (3%)
POLY-3 RATE (b)	4/99.55
POLY-3 PERCENT (g)	4%
TERMINAL (d)	2/40 (5%)
FIRST INCIDENCE	502

---

**STATISTICAL TESTS**

LIFE TABLE	P=0.394
POLY 3	P=0.258
POLY 1.5	P=0.201
POLY 6	P=0.347
LOGISTIC REGRESSION	P=0.190
COCH-ARM / FISHERS	P=0.138
ORDER RESTRICTED	P=0.068
MAX-ISO-POLY-3	P=0.075

---

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Date Report Requested: 01/28/2008

Test Type: CHRONIC-LIFETIME

Aspartame

Time Report Requested: 17:57:48

Route: DOSED FEED

CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
 TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Females					
	100000 PPM	50000 PPM	10000 PPM	2000 PPM	400 PPM	80 PPM

All Organs  
 Leukemia Lymphoblastic

TUMOR RATES	#	#	#	#	#	#
OVERALL (a)	0/100 (0%)	0/100 (0%)	0/100 (0%)	2/150 (1%)	0/150 (0%)	0/150 (0%)
POLY-3 RATE (b)	0/75.87	0/70.59	0/70.68	2/100.93	0/102.84	0/97.16
POLY-3 PERCENT (g)	0%	0%	0%	2%	0%	0%
TERMINAL (d)	0/45 (0%)	0/36 (0%)	0/30 (0%)	0/45 (0%)	0/45 (0%)	0/46 (0%)
FIRST INCIDENCE	---	---	---	100	---	---

STATISTICAL TESTS

LIFE TABLE	(e)	(e)	(e)	P=0.238	(e)	(e)
POLY 3	(e)	(e)	(e)	P=0.243	(e)	(e)
POLY 1.5	(e)	(e)	(e)	P=0.240	(e)	(e)
POLY 6	(e)	(e)	(e)	P=0.250	(e)	(e)
LOGISTIC REGRESSION	(e)	(e)	(e)	P=0.806	(e)	(e)
COCH-ARM / FISHERS	(e)	(e)	(e)	P=0.249	(e)	(e)
ORDER RESTRICTED	(e)	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	(e)

**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**

Aspartame

CAS Number: 22839-47-0

Date Report Requested: 01/28/2008

Time Report Requested: 17:57:48

First Dose M/F: 06/27/97 / 06/27/97

Lab: CRC

Test Type: CHRONIC-LIFETIME

Route: DOSED FEED

Species/Strain: RATS/SD

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
TERMINAL SACRIFICE AT 105 WEEKS**

---

**Females**

**DOSE**                      **0 PPM**

---

**All Organs**  
**Leukemia Lymphoblastic**

---

<b>TUMOR RATES</b>	#
OVERALL (a)	0/150 (0%)
POLY-3 RATE (b)	0/98.69
POLY-3 PERCENT (g)	0%
TERMINAL (d)	0/40 (0%)
FIRST INCIDENCE	---

---

**STATISTICAL TESTS**

LIFE TABLE	P=0.436N
POLY 3	P=0.431N
POLY 1.5	P=0.434N
POLY 6	P=0.425N
LOGISTIC REGRESSION	P=0.525N
COCH-ARM / FISHERS	P=0.437N
ORDER RESTRICTED	P=0.453
MAX-ISO-POLY-3	P=0.456

---

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Date Report Requested: 01/28/2008

Test Type: CHRONIC-LIFETIME

Aspartame

Time Report Requested: 17:57:48

Route: DOSED FEED

CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
 TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Females					
	100000 PPM	50000 PPM	10000 PPM	2000 PPM	400 PPM	80 PPM

All Organs  
 Leukemia Lymphocytic

TUMOR RATES	#	#	#	#	#	#
OVERALL (a)	0/100 (0%)	0/100 (0%)	0/100 (0%)	2/150 (1%)	0/150 (0%)	0/150 (0%)
POLY-3 RATE (b)	0/75.87	0/70.59	0/70.68	2/100.93	0/102.84	0/97.16
POLY-3 PERCENT (g)	0%	0%	0%	2%	0%	0%
TERMINAL (d)	0/45 (0%)	0/36 (0%)	0/30 (0%)	0/45 (0%)	0/45 (0%)	0/46 (0%)
FIRST INCIDENCE	---	---	---	100	---	---

STATISTICAL TESTS

LIFE TABLE	(e)	(e)	(e)	P=0.238	(e)	(e)
POLY 3	(e)	(e)	(e)	P=0.243	(e)	(e)
POLY 1.5	(e)	(e)	(e)	P=0.240	(e)	(e)
POLY 6	(e)	(e)	(e)	P=0.250	(e)	(e)
LOGISTIC REGRESSION	(e)	(e)	(e)	P=0.806	(e)	(e)
COCH-ARM / FISHERS	(e)	(e)	(e)	P=0.249	(e)	(e)
ORDER RESTRICTED	(e)	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	(e)



**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**

Aspartame

CAS Number: 22839-47-0

Date Report Requested: 01/28/2008

Time Report Requested: 17:57:48

First Dose M/F: 06/27/97 / 06/27/97

Lab: CRC

Test Type: CHRONIC-LIFETIME

Route: DOSED FEED

Species/Strain: RATS/SD

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
TERMINAL SACRIFICE AT 105 WEEKS**

---

**Females**

**DOSE**                      **0 PPM**

---

**All Organs**  
**Leukemia Lymphocytic**

---

<b>TUMOR RATES</b>	#
OVERALL (a)	0/150 (0%)
POLY-3 RATE (b)	0/98.69
POLY-3 PERCENT (g)	0%
TERMINAL (d)	0/40 (0%)
FIRST INCIDENCE	---

---

**STATISTICAL TESTS**

LIFE TABLE	P=0.436N
POLY 3	P=0.431N
POLY 1.5	P=0.434N
POLY 6	P=0.425N
LOGISTIC REGRESSION	P=0.525N
COCH-ARM / FISHERS	P=0.437N
ORDER RESTRICTED	P=0.453
MAX-ISO-POLY-3	P=0.456

---

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Date Report Requested: 01/28/2008

Test Type: CHRONIC-LIFETIME

Aspartame

Time Report Requested: 17:57:48

Route: DOSED FEED

CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
 TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Females					
	100000 PPM	50000 PPM	10000 PPM	2000 PPM	400 PPM	80 PPM

All Organs  
 Leukemia Monocytic

TUMOR RATES	#	#	#	#	#	#
OVERALL (a)	2/100 (2%)	4/100 (4%)	2/100 (2%)	4/150 (3%)	5/150 (3%)	2/150 (1%)
POLY-3 RATE (b)	2/75.87	4/72.35	2/71.07	4/99.88	5/103.92	2/97.19
POLY-3 PERCENT (g)	2.6%	5.5%	2.8%	4%	4.8%	2.1%
TERMINAL (d)	2/45 (4%)	1/36 (3%)	1/30 (3%)	1/45 (2%)	1/45 (2%)	1/46 (2%)
FIRST INCIDENCE	730 (T)	503	621	540	509	723

STATISTICAL TESTS

LIFE TABLE	P=0.265	P=0.033*	P=0.185	P=0.074	P=0.048*	P=0.271
POLY 3	P=0.180	P=0.030*	P=0.167	P=0.065	P=0.039*	P=0.235
POLY 1.5	P=0.168	P=0.027*	P=0.162	P=0.064	P=0.037*	P=0.236
POLY 6	P=0.198	P=0.035*	P=0.176	P=0.069	P=0.042*	P=0.237
LOGISTIC REGRESSION	P=0.265	P=0.023*	P=0.171	P=0.066	P=0.039*	P=0.259
COCH-ARM / FISHERS	P=0.159	P=0.025*	P=0.159	P=0.061	P=0.030*	P=0.249
ORDER RESTRICTED	(e)	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	(e)



P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Date Report Requested: 01/28/2008

Test Type: CHRONIC-LIFETIME

Aspartame

Time Report Requested: 17:57:48

Route: DOSED FEED

CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
 TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Females					
	100000 PPM	50000 PPM	10000 PPM	2000 PPM	400 PPM	80 PPM
<b>All Organs</b>						
<b>Leukemia Myeloid</b>						
<b>TUMOR RATES</b>	#	#	#	#	#	#
OVERALL (a)	2/100 (2%)	1/100 (1%)	0/100 (0%)	1/150 (1%)	0/150 (0%)	0/150 (0%)
POLY-3 RATE (b)	2/76.77	1/70.79	0/70.68	1/98.96	0/102.84	0/97.16
POLY-3 PERCENT (g)	2.6%	1.4%	0%	1%	0%	0%
TERMINAL (d)	1/45 (2%)	0/36 (0%)	0/30 (0%)	0/45 (0%)	0/45 (0%)	0/46 (0%)
FIRST INCIDENCE	331	680	---	729	---	---
<b>STATISTICAL TESTS</b>						
LIFE TABLE	P=0.211	P=0.460	(e)	P=0.532	(e)	(e)
POLY 3	P=0.182	P=0.433	(e)	P=0.501	(e)	(e)
POLY 1.5	P=0.170	P=0.427	(e)	P=0.498	(e)	(e)
POLY 6	P=0.202	P=0.444	(e)	P=0.505	(e)	(e)
LOGISTIC REGRESSION	P=0.110	P=0.437	(e)	P=0.530	(e)	(e)
COCH-ARM / FISHERS	P=0.159	P=0.400	(e)	P=0.500	(e)	(e)
ORDER RESTRICTED	(e)	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	(e)

**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**

Aspartame

CAS Number: 22839-47-0

Date Report Requested: 01/28/2008

Time Report Requested: 17:57:48

First Dose M/F: 06/27/97 / 06/27/97

Lab: CRC

Test Type: CHRONIC-LIFETIME

Route: DOSED FEED

Species/Strain: RATS/SD

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
TERMINAL SACRIFICE AT 105 WEEKS**

---

**Females**

**DOSE**                      **0 PPM**

---

**All Organs**  
**Leukemia Myeloid**

---

<b>TUMOR RATES</b>	#
OVERALL (a)	0/150 (0%)
POLY-3 RATE (b)	0/98.69
POLY-3 PERCENT (g)	0%
TERMINAL (d)	0/40 (0%)
FIRST INCIDENCE	---

---

**STATISTICAL TESTS**

LIFE TABLE	P=0.024*
POLY 3	P=0.012*
POLY 1.5	P=0.011*
POLY 6	P=0.015*
LOGISTIC REGRESSION	P=0.008**
COCH-ARM / FISHERS	P=0.009**
ORDER RESTRICTED	P=0.026*
MAX-ISO-POLY-3	P=0.024*

---

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Date Report Requested: 01/28/2008

Test Type: CHRONIC-LIFETIME

Aspartame

Time Report Requested: 17:57:48

Route: DOSED FEED

CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
 TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Females					
	100000 PPM	50000 PPM	10000 PPM	2000 PPM	400 PPM	80 PPM

All Organs  
 Leukemia: Granulocytic

TUMOR RATES	#	#	#	#	#	#
OVERALL (a)	2/100 (2%)	2/100 (2%)	0/100 (0%)	1/150 (1%)	0/150 (0%)	0/150 (0%)
POLY-3 RATE (b)	2/76.77	2/71.46	0/70.68	1/98.96	0/102.84	0/97.16
POLY-3 PERCENT (g)	2.6%	2.8%	0%	1%	0%	0%
TERMINAL (d)	1/45 (2%)	0/36 (0%)	0/30 (0%)	0/45 (0%)	0/45 (0%)	0/46 (0%)
FIRST INCIDENCE	331	503	---	729	---	---

STATISTICAL TESTS

LIFE TABLE	P=0.211	P=0.179	(e)	P=0.532	(e)	(e)
POLY 3	P=0.182	P=0.168	(e)	P=0.501	(e)	(e)
POLY 1.5	P=0.170	P=0.162	(e)	P=0.498	(e)	(e)
POLY 6	P=0.202	P=0.179	(e)	P=0.505	(e)	(e)
LOGISTIC REGRESSION	P=0.110	P=0.148	(e)	P=0.530	(e)	(e)
COCH-ARM / FISHERS	P=0.159	P=0.159	(e)	P=0.500	(e)	(e)
ORDER RESTRICTED	(e)	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	(e)

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Date Report Requested: 01/28/2008

Test Type: CHRONIC-LIFETIME

Aspartame

Time Report Requested: 17:57:48

Route: DOSED FEED

CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
TERMINAL SACRIFICE AT 105 WEEKS

Females

DOSE 0 PPM

All Organs  
Leukemia: Granulocytic

TUMOR RATES	#
OVERALL (a)	0/150 (0%)
POLY-3 RATE (b)	0/98.69
POLY-3 PERCENT (g)	0%
TERMINAL (d)	0/40 (0%)
FIRST INCIDENCE	---

STATISTICAL TESTS

LIFE TABLE	P=0.014*
POLY 3	P=0.008**
POLY 1.5	P=0.007**
POLY 6	P=0.011*
LOGISTIC REGRESSION	P=0.004**
COCH-ARM / FISHERS	P=0.005**
ORDER RESTRICTED	P=0.039*
MAX-ISO-POLY-3	P=0.016*

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Date Report Requested: 01/28/2008

Test Type: CHRONIC-LIFETIME

Aspartame

Time Report Requested: 17:57:48

Route: DOSED FEED

CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
 TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Females					
	100000 PPM	50000 PPM	10000 PPM	2000 PPM	400 PPM	80 PPM

All Organs  
 Leukemia: Lymphocytic, Monocytic, Mononuclear, Lymphoblastic, Myeloid, Granulocytic

TUMOR RATES	#	#	#	#	#	#
OVERALL (a)	4/100 (4%)	5/100 (5%)	2/100 (2%)	7/150 (5%)	5/150 (3%)	2/150 (1%)
POLY-3 RATE (b)	4/76.77	5/72.54	2/71.07	7/101.87	5/103.92	2/97.19
POLY-3 PERCENT (g)	5.2%	6.9%	2.8%	6.9%	4.8%	2.1%
TERMINAL (d)	3/45 (7%)	1/36 (3%)	1/30 (3%)	1/45 (2%)	1/45 (2%)	1/46 (2%)
FIRST INCIDENCE	331	503	621	100	509	723

STATISTICAL TESTS

LIFE TABLE	P=0.063	P=0.016*	P=0.185	P=0.014*	P=0.048*	P=0.271
POLY 3	P=0.035*	P=0.013*	P=0.167	P=0.011*	P=0.039*	P=0.235
POLY 1.5	P=0.030*	P=0.011*	P=0.162	P=0.010**	P=0.037*	P=0.236
POLY 6	P=0.043*	P=0.016*	P=0.176	P=0.012*	P=0.042*	P=0.237
LOGISTIC REGRESSION	P=0.024*	P=0.010**	P=0.171	P=0.013*	P=0.039*	P=0.259
COCH-ARM / FISHERS	P=0.025*	P=0.010**	P=0.159	P=0.007**	P=0.030*	P=0.249
ORDER RESTRICTED	(e)	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	(e)



**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**

**Test Type:** CHRONIC-LIFETIME  
**Route:** DOSED FEED  
**Species/Strain:** RATS/SD

Aspartame  
**CAS Number:** 22839-47-0

**Date Report Requested:** 01/28/2008  
**Time Report Requested:** 17:57:48  
**First Dose M/F:** 06/27/97 / 06/27/97  
**Lab:** CRC

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
TERMINAL SACRIFICE AT 105 WEEKS**

---

**Females**

**DOSE**                      **0 PPM**

---

**All Organs**  
**Leukemia: Lymphocytic, Monocytic, Mononuclear, Lymphoblastic, Myeloid, Granulocytic**

---

<b>TUMOR RATES</b>	#
OVERALL (a)	0/150 (0%)
POLY-3 RATE (b)	0/98.69
POLY-3 PERCENT (g)	0%
TERMINAL (d)	0/40 (0%)
FIRST INCIDENCE	---

---

**STATISTICAL TESTS**

LIFE TABLE	P=0.236
POLY 3	P=0.160
POLY 1.5	P=0.132
POLY 6	P=0.205
LOGISTIC REGRESSION	P=0.092
COCH-ARM / FISHERS	P=0.100
ORDER RESTRICTED	P=0.036*
MAX-ISO-POLY-3	P=0.042*

---

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Date Report Requested: 01/28/2008

Test Type: CHRONIC-LIFETIME

Aspartame

Time Report Requested: 17:57:48

Route: DOSED FEED

CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
 TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Females					
	100000 PPM	50000 PPM	10000 PPM	2000 PPM	400 PPM	80 PPM

All Organs  
 Lymphoma Lymphoblastic

TUMOR RATES	#	#	#	#	#	#
OVERALL (a)	1/100 (1%)	2/100 (2%)	2/100 (2%)	4/150 (3%)	7/150 (5%)	3/150 (2%)
POLY-3 RATE (b)	1/75.87	2/70.59	2/70.87	4/99.07	7/105.18	3/97.49
POLY-3 PERCENT (g)	1.3%	2.8%	2.8%	4%	6.7%	3.1%
TERMINAL (d)	1/45 (2%)	2/36 (6%)	1/30 (3%)	3/45 (7%)	3/45 (7%)	2/46 (4%)
FIRST INCIDENCE	730 (T)	730 (T)	680	700	430	638

STATISTICAL TESTS

LIFE TABLE	P=0.468N	P=0.653	P=0.598	P=0.383	P=0.109	P=0.547
POLY 3	P=0.592N	P=0.568	P=0.570	P=0.340	P=0.101	P=0.494
POLY 1.5	P=0.613N	P=0.556	P=0.558	P=0.336	P=0.095	P=0.495
POLY 6	P=0.561N	P=0.587	P=0.588	P=0.351	P=0.112	P=0.500
LOGISTIC REGRESSION	P=0.503N	P=0.639	P=0.604	P=0.380	P=0.091	P=0.511
COCH-ARM / FISHERS	P=0.649N	P=0.525	P=0.525	P=0.342	P=0.087	P=0.500
ORDER RESTRICTED	(e)	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	(e)

**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**

Aspartame

CAS Number: 22839-47-0

Date Report Requested: 01/28/2008

Time Report Requested: 17:57:48

First Dose M/F: 06/27/97 / 06/27/97

Lab: CRC

Test Type: CHRONIC-LIFETIME

Route: DOSED FEED

Species/Strain: RATS/SD

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
TERMINAL SACRIFICE AT 105 WEEKS**

---

**Females**

**DOSE**                      **0 PPM**

---

**All Organs**  
**Lymphoma Lymphoblastic**

---

<b>TUMOR RATES</b>	#
OVERALL (a)	2/150 (1%)
POLY-3 RATE (b)	2/98.8
POLY-3 PERCENT (g)	2%
TERMINAL (d)	1/40 (3%)
FIRST INCIDENCE	704

---

**STATISTICAL TESTS**

LIFE TABLE	P=0.094N
POLY 3	P=0.145N
POLY 1.5	P=0.166N
POLY 6	P=0.119N
LOGISTIC REGRESSION	P=0.143N
COCH-ARM / FISHERS	P=0.198N
ORDER RESTRICTED	P=0.321N
MAX-ISO-POLY-3	P=0.283N

---

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Date Report Requested: 01/28/2008

Test Type: CHRONIC-LIFETIME

Aspartame

Time Report Requested: 17:57:48

Route: DOSED FEED

CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
 TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Females					
	100000 PPM	50000 PPM	10000 PPM	2000 PPM	400 PPM	80 PPM

All Organs  
 Lymphoma Lymphocytic

TUMOR RATES	#	#	#	#	#	#
OVERALL (a)	2/100 (2%)	0/100 (0%)	2/100 (2%)	1/150 (1%)	2/150 (1%)	5/150 (3%)
POLY-3 RATE (b)	2/75.87	0/70.59	2/70.68	1/98.95	2/103.36	5/97.84
POLY-3 PERCENT (g)	2.6%	0%	2.8%	1%	1.9%	5.1%
TERMINAL (d)	2/45 (4%)	0/36 (0%)	2/30 (7%)	1/45 (2%)	1/45 (2%)	1/46 (2%)
FIRST INCIDENCE	730 (T)	---	730 (T)	730 (T)	572	657

STATISTICAL TESTS

LIFE TABLE	P=0.672N	P=0.277N	P=0.601	P=0.473N	P=0.656N	P=0.253
POLY 3	P=0.595	P=0.315N	P=0.567	P=0.501N	P=0.678N	P=0.215
POLY 1.5	P=0.572	P=0.322N	P=0.557	P=0.504N	P=0.684N	P=0.217
POLY 6	P=0.628	P=0.304N	P=0.582	P=0.494N	P=0.669N	P=0.220
LOGISTIC REGRESSION	P=0.638	P=0.315N	P=0.592	P=0.491N	P=0.681N	P=0.220
COCH-ARM / FISHERS	P=0.525	P=0.359N	P=0.525	P=0.500N	P=0.689N	P=0.224
ORDER RESTRICTED	(e)	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	(e)

**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**

Aspartame

CAS Number: 22839-47-0

Date Report Requested: 01/28/2008

Time Report Requested: 17:57:48

First Dose M/F: 06/27/97 / 06/27/97

Lab: CRC

Test Type: CHRONIC-LIFETIME

Route: DOSED FEED

Species/Strain: RATS/SD

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
TERMINAL SACRIFICE AT 105 WEEKS**

---

**Females**

**DOSE**                      **0 PPM**

---

**All Organs**  
**Lymphoma Lymphocytic**

---

<b>TUMOR RATES</b>	#
OVERALL (a)	2/150 (1%)
POLY-3 RATE (b)	2/99.15
POLY-3 PERCENT (g)	2%
TERMINAL (d)	0/40 (0%)
FIRST INCIDENCE	631

---

**STATISTICAL TESTS**

LIFE TABLE	P=0.311N
POLY 3	P=0.440N
POLY 1.5	P=0.456N
POLY 6	P=0.416N
LOGISTIC REGRESSION	P=0.377N
COCH-ARM / FISHERS	P=0.479N
ORDER RESTRICTED	P=0.323N
MAX-ISO-POLY-3	P=0.333N

---

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Date Report Requested: 01/28/2008

Test Type: CHRONIC-LIFETIME

Aspartame

Time Report Requested: 17:57:48

Route: DOSED FEED

CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
 TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Females					
	100000 PPM	50000 PPM	10000 PPM	2000 PPM	400 PPM	80 PPM
<b>All Organs</b>						
<b>Lymphoma Lymphoimmunoblastic</b>						
<b>TUMOR RATES</b>	#	#	#	#	#	#
OVERALL (a)	11/100 (11%)	10/100 (10%)	3/100 (3%)	8/150 (5%)	8/150 (5%)	6/150 (4%)
POLY-3 RATE (b)	11/78.58	10/72.97	3/71.12	8/101.9	8/105.46	6/99.01
POLY-3 PERCENT (g)	14%	13.7%	4.2%	7.9%	7.6%	6.1%
TERMINAL (d)	5/45 (11%)	4/36 (11%)	1/30 (3%)	1/45 (2%)	2/45 (4%)	3/46 (7%)
FIRST INCIDENCE	473	515	652	132	353	431
<b>STATISTICAL TESTS</b>						
LIFE TABLE	P=0.076	P=0.065	P=0.510N	P=0.313	P=0.338	P=0.525
POLY 3	P=0.030*	P=0.038*	P=0.554N	P=0.292	P=0.315	P=0.491
POLY 1.5	P=0.022*	P=0.033*	P=0.567N	P=0.284	P=0.302	P=0.493
POLY 6	P=0.047*	P=0.047*	P=0.534N	P=0.310	P=0.335	P=0.497
LOGISTIC REGRESSION	P=0.018*	P=0.033*	P=0.565N	P=0.289	P=0.286	P=0.497
COCH-ARM / FISHERS	P=0.016*	P=0.030*	P=0.595N	P=0.286	P=0.286	P=0.500
ORDER RESTRICTED	(e)	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	(e)

**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**

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Route: DOSED FEED

Species/Strain: RATS/SD

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
TERMINAL SACRIFICE AT 105 WEEKS**

---

**Females**

**DOSE**                      **0 PPM**

---

**All Organs**  
**Lymphoma Lymphoimmunoblastic**

---

<b>TUMOR RATES</b>	<b>#</b>
OVERALL (a)	5/150 (3%)
POLY-3 RATE (b)	5/100.39
POLY-3 PERCENT (g)	5%
TERMINAL (d)	1/40 (3%)
FIRST INCIDENCE	485

---

**STATISTICAL TESTS**

LIFE TABLE	P=0.015*
POLY 3	P=0.003**
POLY 1.5	P=0.002**
POLY 6	P=0.006**
LOGISTIC REGRESSION	P<0.001**
COCH-ARM / FISHERS	P<0.001**
ORDER RESTRICTED	P=0.021*
MAX-ISO-POLY-3	P=0.006**

---

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Date Report Requested: 01/28/2008

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Aspartame

Time Report Requested: 17:57:48

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CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
 TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Females					
	100000 PPM	50000 PPM	10000 PPM	2000 PPM	400 PPM	80 PPM

All Organs  
 Lymphoma Malignant

TUMOR RATES	#	#	#	#	#	#
OVERALL (a)	0/100 (0%)	2/100 (2%)	0/100 (0%)	0/150 (0%)	1/150 (1%)	2/150 (1%)
POLY-3 RATE (b)	0/75.87	2/70.59	0/70.68	0/98.95	1/103.63	2/97.16
POLY-3 PERCENT (g)	0%	2.8%	0%	0%	1%	2.1%
TERMINAL (d)	0/45 (0%)	2/36 (6%)	0/30 (0%)	0/45 (0%)	0/45 (0%)	2/46 (4%)
FIRST INCIDENCE	---	730 (T)	---	---	430	730 (T)

STATISTICAL TESTS

LIFE TABLE	P=0.477N	P=0.463	P=0.557N	P=0.477N	P=0.746N	P=0.549
POLY 3	P=0.553N	P=0.384	P=0.567N	P=0.499N	P=0.750N	P=0.495
POLY 1.5	P=0.565N	P=0.374	P=0.573N	P=0.502N	P=0.754N	P=0.496
POLY 6	P=0.535N	P=0.400	P=0.559N	P=0.495N	P=0.743N	P=0.499
LOGISTIC REGRESSION	(e)	P=0.463	(e)	(e)	P=0.754	P=0.549
COCH-ARM / FISHERS	P=0.600N	P=0.351	P=0.600N	P=0.500N	P=0.751N	P=0.500
ORDER RESTRICTED	(e)	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	(e)



**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**

Aspartame

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First Dose M/F: 06/27/97 / 06/27/97

Lab: CRC

Test Type: CHRONIC-LIFETIME

Route: DOSED FEED

Species/Strain: RATS/SD

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
TERMINAL SACRIFICE AT 105 WEEKS**

---

**Females**

**DOSE**                      **0 PPM**

---

**All Organs**  
**Lymphoma Malignant**

---

<b>TUMOR RATES</b>	<b>#</b>
OVERALL (a)	1/150 (1%)
POLY-3 RATE (b)	1/98.69
POLY-3 PERCENT (g)	1%
TERMINAL (d)	1/40 (3%)
FIRST INCIDENCE	730 (T)

---

**STATISTICAL TESTS**

LIFE TABLE	P=0.455N
POLY 3	P=0.535N
POLY 1.5	P=0.554N
POLY 6	P=0.507N
LOGISTIC REGRESSION	P=0.529N
COCH-ARM / FISHERS	P=0.581N
ORDER RESTRICTED	P=0.295N
MAX-ISO-POLY-3	P=0.305N

---

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Date Report Requested: 01/28/2008

Test Type: CHRONIC-LIFETIME

Aspartame

Time Report Requested: 17:57:48

Route: DOSED FEED

CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
 TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Females					
	100000 PPM	50000 PPM	10000 PPM	2000 PPM	400 PPM	80 PPM

All Organs  
 Lymphoma Malignant Lymphocytic

TUMOR RATES	#	#	#	#	#	#
OVERALL (a)	0/100 (0%)	3/100 (3%)	2/100 (2%)	0/150 (0%)	0/150 (0%)	0/150 (0%)
POLY-3 RATE (b)	0/75.87	3/70.59	2/71.36	0/98.95	0/102.84	0/97.16
POLY-3 PERCENT (g)	0%	4.3%	2.8%	0%	0%	0%
TERMINAL (d)	0/45 (0%)	3/36 (8%)	0/30 (0%)	0/45 (0%)	0/45 (0%)	0/46 (0%)
FIRST INCIDENCE	---	730 (T)	554	---	---	---

STATISTICAL TESTS

LIFE TABLE	P=0.477N	P=0.268	P=0.400	P=0.477N	P=0.477N	P=0.472N
POLY 3	P=0.553N	P=0.195	P=0.387	P=0.499N	P=0.492N	P=0.503N
POLY 1.5	P=0.565N	P=0.187	P=0.376	P=0.502N	P=0.495N	P=0.502N
POLY 6	P=0.535N	P=0.208	P=0.404	P=0.495N	P=0.486N	P=0.501N
LOGISTIC REGRESSION	(e)	P=0.268	P=0.381	(e)	(e)	(e)
COCH-ARM / FISHERS	P=0.600N	P=0.177	P=0.351	P=0.500N	P=0.500N	P=0.500N
ORDER RESTRICTED	(e)	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	(e)

**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**

Aspartame

CAS Number: 22839-47-0

Date Report Requested: 01/28/2008

Time Report Requested: 17:57:48

First Dose M/F: 06/27/97 / 06/27/97

Lab: CRC

Test Type: CHRONIC-LIFETIME

Route: DOSED FEED

Species/Strain: RATS/SD

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)**

**TERMINAL SACRIFICE AT 105 WEEKS**

---

**Females**

**DOSE**                      **0 PPM**

---

**All Organs**  
**Lymphoma Malignant Lymphocytic**

---

<b>TUMOR RATES</b>	<b>#</b>
OVERALL (a)	1/150 (1%)
POLY-3 RATE (b)	1/98.69
POLY-3 PERCENT (g)	1%
TERMINAL (d)	1/40 (3%)
FIRST INCIDENCE	730 (T)

---

**STATISTICAL TESTS**

LIFE TABLE	P=0.454
POLY 3	P=0.421
POLY 1.5	P=0.380
POLY 6	P=0.477
LOGISTIC REGRESSION	P=0.397
COCH-ARM / FISHERS	P=0.327
ORDER RESTRICTED	P=0.158
MAX-ISO-POLY-3	P=0.170

---

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

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Aspartame

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Route: DOSED FEED

CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
 TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Females					
	100000 PPM	50000 PPM	10000 PPM	2000 PPM	400 PPM	80 PPM

All Organs  
 Malignant Lymphoma: Malignant, Lymphocytic, Lymphoma: Lymphoblastic, Lymphoimmunoblastic, Lymphocytic

TUMOR RATES	#	#	#	#	#	#
OVERALL (a)	14/100 (14%)	15/100 (15%)	9/100 (9%)	13/150 (9%)	17/150 (11%)	14/150 (9%)
POLY-3 RATE (b)	14/78.58	15/72.97	9/71.99	13/102.01	17/108.32	14/100.02
POLY-3 PERCENT (g)	17.8%	20.6%	12.5%	12.7%	15.7%	14%
TERMINAL (d)	8/45 (18%)	9/36 (25%)	4/30 (13%)	5/45 (11%)	6/45 (13%)	6/46 (13%)
FIRST INCIDENCE	473	515	554	132	353	431

STATISTICAL TESTS

LIFE TABLE	P=0.241	P=0.091	P=0.452	P=0.392	P=0.168	P=0.322
POLY 3	P=0.088	P=0.036*	P=0.384	P=0.337	P=0.146	P=0.247
POLY 1.5	P=0.065	P=0.031*	P=0.362	P=0.328	P=0.131	P=0.251
POLY 6	P=0.132	P=0.046*	P=0.418	P=0.359	P=0.171	P=0.256
LOGISTIC REGRESSION	P=0.075	P=0.040*	P=0.398	P=0.329	P=0.120	P=0.250
COCH-ARM / FISHERS	P=0.045*	P=0.027*	P=0.327	P=0.333	P=0.113	P=0.262
ORDER RESTRICTED	(e)	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	(e)

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Date Report Requested: 01/28/2008

Test Type: CHRONIC-LIFETIME

Aspartame

Time Report Requested: 17:57:48

Route: DOSED FEED

CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
TERMINAL SACRIFICE AT 105 WEEKS

Females

DOSE 0 PPM

All Organs

Malignant Lymphoma: Malignant, Lymphocytic, Lymphoma: Lymphoblastic, Lymphoimmunoblastic, Lymphocytic

TUMOR RATES	#
OVERALL (a)	10/150 (7%)
POLY-3 RATE (b)	10/100.94
POLY-3 PERCENT (g)	9.9%
TERMINAL (d)	3/40 (8%)
FIRST INCIDENCE	485

STATISTICAL TESTS

LIFE TABLE	P=0.230
POLY 3	P=0.069
POLY 1.5	P=0.046*
POLY 6	P=0.112
LOGISTIC REGRESSION	P=0.054
COCH-ARM / FISHERS	P=0.026*
ORDER RESTRICTED	P=0.067
MAX-ISO-POLY-3	P=0.076

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

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Test Type: CHRONIC-LIFETIME

Aspartame

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Route: DOSED FEED

CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
 TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Females					
	100000 PPM	50000 PPM	10000 PPM	2000 PPM	400 PPM	80 PPM

All Organs  
 Mesothelioma: Benign, Malignant, NOS

TUMOR RATES	#	#	#	#	#	#
OVERALL (a)	0/100 (0%)	2/100 (2%)	0/100 (0%)	3/150 (2%)	4/150 (3%)	1/150 (1%)
POLY-3 RATE (b)	0/75.87	2/70.59	0/70.68	3/99.36	4/103.06	1/97.67
POLY-3 PERCENT (g)	0%	2.8%	0%	3%	3.9%	1%
TERMINAL (d)	0/45 (0%)	2/36 (6%)	0/30 (0%)	2/45 (4%)	2/45 (4%)	0/46 (0%)
FIRST INCIDENCE	---	730 (T)	---	611	676	575

STATISTICAL TESTS

LIFE TABLE	(e)	P=0.215	(e)	P=0.137	P=0.083	P=0.484
POLY 3	(e)	P=0.166	(e)	P=0.123	P=0.070	P=0.498
POLY 1.5	(e)	P=0.161	(e)	P=0.121	P=0.068	P=0.498
POLY 6	(e)	P=0.175	(e)	P=0.127	P=0.073	P=0.501
LOGISTIC REGRESSION	(e)	P=0.215	(e)	P=0.127	P=0.080	P=0.503
COCH-ARM / FISHERS	(e)	P=0.159	(e)	P=0.124	P=0.061	P=0.500
ORDER RESTRICTED	(e)	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	(e)



P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

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Aspartame

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Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
 TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Females					
	100000 PPM	50000 PPM	10000 PPM	2000 PPM	400 PPM	80 PPM

All Organs  
 Mesothelioma: Malignant

TUMOR RATES	#	#	#	#	#	#
OVERALL (a)	0/100 (0%)	2/100 (2%)	0/100 (0%)	3/150 (2%)	4/150 (3%)	1/150 (1%)
POLY-3 RATE (b)	0/75.87	2/70.59	0/70.68	3/99.36	4/103.06	1/97.67
POLY-3 PERCENT (g)	0%	2.8%	0%	3%	3.9%	1%
TERMINAL (d)	0/45 (0%)	2/36 (6%)	0/30 (0%)	2/45 (4%)	2/45 (4%)	0/46 (0%)
FIRST INCIDENCE	---	730 (T)	---	611	676	575

STATISTICAL TESTS

LIFE TABLE	(e)	P=0.215	(e)	P=0.137	P=0.083	P=0.484
POLY 3	(e)	P=0.166	(e)	P=0.123	P=0.070	P=0.498
POLY 1.5	(e)	P=0.161	(e)	P=0.121	P=0.068	P=0.498
POLY 6	(e)	P=0.175	(e)	P=0.127	P=0.073	P=0.501
LOGISTIC REGRESSION	(e)	P=0.215	(e)	P=0.127	P=0.080	P=0.503
COCH-ARM / FISHERS	(e)	P=0.159	(e)	P=0.124	P=0.061	P=0.500
ORDER RESTRICTED	(e)	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	(e)



**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**

Aspartame

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Lab: CRC

Test Type: CHRONIC-LIFETIME

Route: DOSED FEED

Species/Strain: RATS/SD

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)**

**TERMINAL SACRIFICE AT 105 WEEKS**

---

**Females**

**DOSE**                      **0 PPM**

---

**All Organs**  
**Mesothelioma: Malignant**

---

<b>TUMOR RATES</b>	#
OVERALL (a)	0/150 (0%)
POLY-3 RATE (b)	0/98.69
POLY-3 PERCENT (g)	0%
TERMINAL (d)	0/40 (0%)
FIRST INCIDENCE	---

---

**STATISTICAL TESTS**

LIFE TABLE	P=0.209N
POLY 3	P=0.261N
POLY 1.5	P=0.284N
POLY 6	P=0.231N
LOGISTIC REGRESSION	P=0.250N
COCH-ARM / FISHERS	P=0.316N
ORDER RESTRICTED	P=0.252
MAX-ISO-POLY-3	P=0.264

---

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

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Test Type: CHRONIC-LIFETIME

Aspartame

Time Report Requested: 17:57:48

Route: DOSED FEED

CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
 TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Females					
	100000 PPM	50000 PPM	10000 PPM	2000 PPM	400 PPM	80 PPM

All Organs  
 Osteoma

TUMOR RATES	#	#	#	#	#	#
OVERALL (a)	2/100 (2%)	0/100 (0%)	1/100 (1%)	1/150 (1%)	1/150 (1%)	1/150 (1%)
POLY-3 RATE (b)	2/77.2	0/70.59	1/70.68	1/99.2	1/102.84	1/97.84
POLY-3 PERCENT (g)	2.6%	0%	1.4%	1%	1%	1%
TERMINAL (d)	0/45 (0%)	0/36 (0%)	1/30 (3%)	0/45 (0%)	1/45 (2%)	0/46 (0%)
FIRST INCIDENCE	420	---	730 (T)	664	730 (T)	497

STATISTICAL TESTS

LIFE TABLE	P=0.171	(e)	P=0.443	P=0.515	P=0.523	P=0.489
POLY 3	P=0.183	(e)	P=0.433	P=0.501	P=0.508	P=0.498
POLY 1.5	P=0.170	(e)	P=0.427	P=0.499	P=0.505	P=0.498
POLY 6	P=0.204	(e)	P=0.441	P=0.507	P=0.514	P=0.501
LOGISTIC REGRESSION	P=0.096	(e)	P=0.443	P=0.501	P=0.523	P=0.505
COCH-ARM / FISHERS	P=0.159	(e)	P=0.400	P=0.500	P=0.500	P=0.500
ORDER RESTRICTED	(e)	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	(e)

**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**

Aspartame

CAS Number: 22839-47-0

Date Report Requested: 01/28/2008

Time Report Requested: 17:57:48

First Dose M/F: 06/27/97 / 06/27/97

Lab: CRC

Test Type: CHRONIC-LIFETIME

Route: DOSED FEED

Species/Strain: RATS/SD

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
TERMINAL SACRIFICE AT 105 WEEKS**

---

**Females**

**DOSE**                      **0 PPM**

---

**All Organs  
Osteoma**

---

<b>TUMOR RATES</b>	#
OVERALL (a)	0/150 (0%)
POLY-3 RATE (b)	0/98.69
POLY-3 PERCENT (g)	0%
TERMINAL (d)	0/40 (0%)
FIRST INCIDENCE	---

---

**STATISTICAL TESTS**

LIFE TABLE	P=0.232
POLY 3	P=0.192
POLY 1.5	P=0.179
POLY 6	P=0.211
LOGISTIC REGRESSION	P=0.149
COCH-ARM / FISHERS	P=0.163
ORDER RESTRICTED	P=0.070
MAX-ISO-POLY-3	P=0.079

---

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Date Report Requested: 01/28/2008

Test Type: CHRONIC-LIFETIME

Aspartame

Time Report Requested: 17:57:48

Route: DOSED FEED

CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
 TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Females					
	100000 PPM	50000 PPM	10000 PPM	2000 PPM	400 PPM	80 PPM

All Organs  
 Osteosarcoma

TUMOR RATES	#	#	#	#	#	#
OVERALL (a)	4/100 (4%)	3/100 (3%)	4/100 (4%)	5/150 (3%)	5/150 (3%)	9/150 (6%)
POLY-3 RATE (b)	4/76.79	3/71.31	4/71.7	5/100.85	5/104.15	9/101.95
POLY-3 PERCENT (g)	5.2%	4.2%	5.6%	5%	4.8%	8.8%
TERMINAL (d)	2/45 (4%)	1/36 (3%)	2/30 (7%)	1/45 (2%)	1/45 (2%)	0/46 (0%)
FIRST INCIDENCE	515	528	494	405	559	397

STATISTICAL TESTS

LIFE TABLE	P=0.149N	P=0.136N	P=0.265N	P=0.190N	P=0.169N	P=0.567N
POLY 3	P=0.254N	P=0.183N	P=0.296N	P=0.201N	P=0.184N	P=0.588N
POLY 1.5	P=0.291N	P=0.197N	P=0.314N	P=0.208N	P=0.193N	P=0.593N
POLY 6	P=0.206N	P=0.163N	P=0.273N	P=0.188N	P=0.171N	P=0.569N
LOGISTIC REGRESSION	P=0.279N	P=0.188N	P=0.306N	P=0.207N	P=0.187N	P=0.593N
COCH-ARM / FISHERS	P=0.348N	P=0.219N	P=0.348N	P=0.206N	P=0.206N	P=0.596N
ORDER RESTRICTED	(e)	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	(e)

**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**

Aspartame

CAS Number: 22839-47-0

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First Dose M/F: 06/27/97 / 06/27/97

Lab: CRC

Test Type: CHRONIC-LIFETIME

Route: DOSED FEED

Species/Strain: RATS/SD

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
TERMINAL SACRIFICE AT 105 WEEKS**

---

**Females**

**DOSE**                      **0 PPM**

---

**All Organs  
Osteosarcoma**

---

<b>TUMOR RATES</b>	#
OVERALL (a)	9/150 (6%)
POLY-3 RATE (b)	9/100.73
POLY-3 PERCENT (g)	8.9%
TERMINAL (d)	3/40 (8%)
FIRST INCIDENCE	508

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**STATISTICAL TESTS**

LIFE TABLE	P=0.180N
POLY 3	P=0.265N
POLY 1.5	P=0.295N
POLY 6	P=0.225N
LOGISTIC REGRESSION	P=0.338N
COCH-ARM / FISHERS	P=0.341N
ORDER RESTRICTED	P=0.236N
MAX-ISO-POLY-3	P=0.249N

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P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

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Aspartame

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CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
 TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Females					
	100000 PPM	50000 PPM	10000 PPM	2000 PPM	400 PPM	80 PPM

All Organs  
 Osteosarcoma or Osteoma

TUMOR RATES	#	#	#	#	#	#
OVERALL (a)	6/100 (6%)	3/100 (3%)	5/100 (5%)	6/150 (4%)	6/150 (4%)	10/150 (7%)
POLY-3 RATE (b)	6/78.13	3/71.31	5/71.7	6/101.09	6/104.15	10/102.64
POLY-3 PERCENT (g)	7.7%	4.2%	7%	5.9%	5.8%	9.7%
TERMINAL (d)	2/45 (4%)	1/36 (3%)	3/30 (10%)	1/45 (2%)	2/45 (4%)	0/46 (0%)
FIRST INCIDENCE	420	528	494	405	559	397

STATISTICAL TESTS

LIFE TABLE	P=0.359N	P=0.136N	P=0.384N	P=0.275N	P=0.247N	P=0.524
POLY 3	P=0.489N	P=0.183N	P=0.427N	P=0.292N	P=0.272N	P=0.517
POLY 1.5	P=0.540N	P=0.197N	P=0.447N	P=0.301N	P=0.283N	P=0.508
POLY 6	P=0.416N	P=0.163N	P=0.400N	P=0.275N	P=0.256N	P=0.541
LOGISTIC REGRESSION	P=0.587N	P=0.188N	P=0.431N	P=0.300N	P=0.271N	P=0.505
COCH-ARM / FISHERS	P=0.601	P=0.219N	P=0.485N	P=0.299N	P=0.299N	P=0.500
ORDER RESTRICTED	(e)	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	(e)

**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**

Aspartame

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Route: DOSED FEED

Species/Strain: RATS/SD

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
TERMINAL SACRIFICE AT 105 WEEKS**

---

**Females**

**DOSE**                      **0 PPM**

---

**All Organs  
Osteosarcoma or Osteoma**

---

<b>TUMOR RATES</b>	#
OVERALL (a)	9/150 (6%)
POLY-3 RATE (b)	9/100.73
POLY-3 PERCENT (g)	8.9%
TERMINAL (d)	3/40 (8%)
FIRST INCIDENCE	508

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**STATISTICAL TESTS**

LIFE TABLE	P=0.315N
POLY 3	P=0.441N
POLY 1.5	P=0.482N
POLY 6	P=0.386N
LOGISTIC REGRESSION	P=0.544N
COCH-ARM / FISHERS	P=0.540N
ORDER RESTRICTED	P=0.376N
MAX-ISO-POLY-3	P=0.381N

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P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

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Test Type: CHRONIC-LIFETIME

Aspartame

Time Report Requested: 17:57:48

Route: DOSED FEED

CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
 TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Females					
	100000 PPM	50000 PPM	10000 PPM	2000 PPM	400 PPM	80 PPM

All Organs  
 Benign Tumors

TUMOR RATES	#	#	#	#	#	#
OVERALL (a)	88/100 (88%)	87/100 (87%)	85/100 (85%)	121/150 (81%)	120/150 (80%)	112/150 (75%)
POLY-3 RATE (b)	88/94.07	87/93.92	85/90.98	121/132.48	120/134.43	112/128.99
POLY-3 PERCENT (g)	93.5%	92.6%	93.4%	91.3%	89.3%	86.8%
TERMINAL (d)	43/45 (96%)	35/36 (97%)	30/30 (100%)	41/45 (91%)	42/45 (93%)	42/46 (91%)
FIRST INCIDENCE	397	117	368	198	327	392

STATISTICAL TESTS

LIFE TABLE	P=0.008N**	P=0.169N	P=0.258N	P=0.286N	P=0.175N	P=0.117N
POLY 3	P=0.400	P=0.527	P=0.414	P=0.525N	P=0.258N	P=0.080N
POLY 1.5	P=0.247	P=0.380	P=0.395	P=0.542N	P=0.303N	P=0.071N
POLY 6	P=0.650N	P=0.646N	P=0.388	P=0.453N	P=0.211N	P=0.102N
LOGISTIC REGRESSION	P=0.387	P=0.294	P=0.540	P=0.562N	P=0.258N	P=0.097N
COCH-ARM / FISHERS	P=0.135	P=0.190	P=0.329	P=0.441N	P=0.384N	P=0.080N
ORDER RESTRICTED	(e)	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	(e)



**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**

**Test Type:** CHRONIC-LIFETIME  
**Route:** DOSED FEED  
**Species/Strain:** RATS/SD

Aspartame  
**CAS Number:** 22839-47-0

**Date Report Requested:** 01/28/2008  
**Time Report Requested:** 17:57:48  
**First Dose M/F:** 06/27/97 / 06/27/97  
**Lab:** CRC

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
TERMINAL SACRIFICE AT 105 WEEKS**

---

**Females**

**DOSE**                      **0 PPM**

---

**All Organs  
Benign Tumors**

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<b>TUMOR RATES</b>	<b>#</b>
OVERALL (a)	123/150 (82%)
POLY-3 RATE (b)	123/133.82
POLY-3 PERCENT (g)	91.9%
TERMINAL (d)	38/40 (95%)
FIRST INCIDENCE	284

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**STATISTICAL TESTS**

LIFE TABLE	P=0.022N*
POLY 3	P=0.080
POLY 1.5	P=0.032*
POLY 6	P=0.217
LOGISTIC REGRESSION	P=0.069
COCH-ARM / FISHERS	P=0.010**
ORDER RESTRICTED	P=0.178
MAX-ISO-POLY-3	P=0.157

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P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

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Aspartame

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Route: DOSED FEED

CAS Number: 22839-47-0

First Dose M/F: 06/27/97 / 06/27/97

Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
 TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Females					
	100000 PPM	50000 PPM	10000 PPM	2000 PPM	400 PPM	80 PPM

All Organs  
 Malignant Tumors

TUMOR RATES	#	#	#	#	#	#
OVERALL (a)	51/100 (51%)	58/100 (58%)	40/100 (40%)	67/150 (45%)	70/150 (47%)	64/150 (43%)
POLY-3 RATE (b)	51/87.74	58/83.78	40/79.29	67/117.15	70/121.67	64/116.07
POLY-3 PERCENT (g)	58.1%	69.2%	50.5%	57.2%	57.5%	55.1%
TERMINAL (d)	26/45 (58%)	24/36 (67%)	13/30 (43%)	25/45 (56%)	23/45 (51%)	26/46 (57%)
FIRST INCIDENCE	275	419	393	100	353	319

STATISTICAL TESTS

LIFE TABLE	P=0.469N	P=0.073	P=0.450N	P=0.231	P=0.201	P=0.303
POLY 3	P=0.124	P=0.002**	P=0.504	P=0.132	P=0.119	P=0.218
POLY 1.5	P=0.060	P<0.001**	P=0.436	P=0.113	P=0.083	P=0.196
POLY 6	P=0.250	P=0.007**	P=0.531N	P=0.166	P=0.184	P=0.258
LOGISTIC REGRESSION	P=0.045*	P<0.001**	P=0.477	P=0.086	P=0.066	P=0.147
COCH-ARM / FISHERS	P=0.017*	P<0.001**	P=0.344	P=0.098	P=0.050*	P=0.173
ORDER RESTRICTED	(e)	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	(e)

**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**

Aspartame

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Species/Strain: RATS/SD

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)**

**TERMINAL SACRIFICE AT 105 WEEKS**

---

**Females**

**DOSE**                      **0 PPM**

---

**All Organs  
Malignant Tumors**

---

<b>TUMOR RATES</b>	<b>#</b>
OVERALL (a)	55/150 (37%)
POLY-3 RATE (b)	55/111.26
POLY-3 PERCENT (g)	49.4%
TERMINAL (d)	19/40 (48%)
FIRST INCIDENCE	326

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**STATISTICAL TESTS**

LIFE TABLE	P=0.396N
POLY 3	P=0.077
POLY 1.5	P=0.033*
POLY 6	P=0.180
LOGISTIC REGRESSION	P=0.027*
COCH-ARM / FISHERS	P=0.008**
ORDER RESTRICTED	P=0.028*
MAX-ISO-POLY-3	P=0.032*

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P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

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Species/Strain: RATS/SD

Lab: CRC

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)  
 TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Females					
	100000 PPM	50000 PPM	10000 PPM	2000 PPM	400 PPM	80 PPM

All Organs  
 Malignant and Benign Tumors

TUMOR RATES	#	#	#	#	#	#
OVERALL (a)	94/100 (94%)	93/100 (93%)	90/100 (90%)	129/150 (86%)	135/150 (90%)	127/150 (85%)
POLY-3 RATE (b)	94/98.13	93/96.57	90/93.73	129/137.35	135/141.96	127/138.51
POLY-3 PERCENT (g)	95.8%	96.3%	96%	93.9%	95.1%	91.7%
TERMINAL (d)	43/45 (96%)	35/36 (97%)	30/30 (100%)	43/45 (96%)	44/45 (98%)	43/46 (94%)
FIRST INCIDENCE	275	117	368	100	327	201

STATISTICAL TESTS

LIFE TABLE	P=0.009N**	P=0.179N	P=0.242N	P=0.286N	P=0.337N	P=0.279N
POLY 3	P=0.568	P=0.474	P=0.534	P=0.379N	P=0.606N	P=0.113N
POLY 1.5	P=0.275	P=0.268	P=0.450	P=0.412N	P=0.498	P=0.172N
POLY 6	P=0.424N	P=0.643N	P=0.661	P=0.307N	P=0.458N	P=0.065N
LOGISTIC REGRESSION	P=0.177	P=0.177	P=0.546	P=0.562N	P=0.388	P=0.350N
COCH-ARM / FISHERS	P=0.063	P=0.109	P=0.332	P=0.433N	P=0.293	P=0.309N
ORDER RESTRICTED	(e)	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	(e)

**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**

Aspartame

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Route: DOSED FEED

Species/Strain: RATS/SD

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)**

**TERMINAL SACRIFICE AT 105 WEEKS**

---

**Females**

**DOSE**                      **0 PPM**

---

**All Organs  
Malignant and Benign Tumors**

---

<b>TUMOR RATES</b>	<b>#</b>
OVERALL (a)	131/150 (87%)
POLY-3 RATE (b)	131/137.48
POLY-3 PERCENT (g)	95.3%
TERMINAL (d)	40/40 (100%)
FIRST INCIDENCE	284

---

**STATISTICAL TESTS**

LIFE TABLE	P=0.012N*
POLY 3	P=0.165
POLY 1.5	P=0.055
POLY 6	P=0.465
LOGISTIC REGRESSION	P=0.043*
COCH-ARM / FISHERS	P=0.011*
ORDER RESTRICTED	P=0.279
MAX-ISO-POLY-3	P=0.303

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**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**

**Test Type:** CHRONIC-LIFETIME

**Route:** DOSED FEED

**Species/Strain:** RATS/SD

Aspartame

**CAS Number:** 22839-47-0

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**Lab:** CRC

**LEGEND**

- (a) Number of tumor-bearing animals/number of animals examined at site.
  - (b) Number of tumor-bearing animals/Poly-3 number
  - (d) Observed incidence at terminal kill.
  - (f) Beneath the control incidence are the P-values associated with the trend test. Beneath the dosed group incidence are the P-values corresponding to pairwise comparisons between the controls and that dosed group. The life table analysis regards tumors in animals dying prior to terminal kill as being (directly or indirectly) the cause of death.
  - (e) Value of Statistic cannot be computed.
  - (g) Poly-3 adjusted lifetime tumor incidence.
  - (I) Interim sacrifice
  - (T) Terminal sacrifice
  - # Tumor rates based on numbers of animals necropsied.
  - \* To the right of any statistical result, indicates significance at ( $P \leq 0.05$ ).
  - \*\* To the right of any statistical result, indicates significance at ( $P \leq 0.01$ ).
  - N Indicates a negative trend for all tests
- Logistic regression is an alternative method for analyzing the incidence of non-fatal tumors.  
The Cochran-Armitage and Fishers exact tests compare directly the overall incidence rates.

\*\*\* END OF REPORT \*\*\*