

TDMS No. 88105-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: MICE/B6C3F1

P8: STATISTICAL ANALYSIS OF PRIMARY TUMORS
ISOEUGENOL
CAS Number: 97-54-1
Pathologist: Blackshear, P. - GRUMBEIN, S.
F1_M3

Date Report Requested: 10/04/2006
Time Report Requested: 13:47:31
First Dose M/F: 05/09/02 / 05/08/02
Lab: BNW

C Number:	C88105		
Lock Date:	03/10/2005		
Cage Range:	1 - 9999		
Date Range:	1-JAN-1940 to 17-SEP-2040		
Reasons For Removal:	25022 Accidentally Killed	25021 Terminal Sacrifice	25020 Natural Death
	25019 Moribund Sacrifice		
Removal Date Range:	JAN /1 /1940 - SEP /17 /2040		
Treatment Groups:	Include 1 0 MG/KG	Include 2 0 MG/KG	Include 3 75 MG/KG
	Include 4 75 MG/KG	Include 5 150 MG/KG	Include 6 150 MG/KG
	Include 7 300 MG/KG	Include 8 300 MG/KG	

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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
Clitoral/Preputial Gland
Heart
Kidney
Liver
Lung
Ovary
Pituitary Gland
Spleen
Testes
Thyroid Gland

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

MALE MICE

Organ

Harderian Gland
Liver

All Organs

Morphology

Carcinoma or Adenoma
Hepatocellular Adenoma
Hepatocellular Carcinoma
Hepatocellular Carcinoma or Hepatoblastoma
Hepatocellular Carcinoma or Hepatocellular Adenoma
Hepatocellular Carcinoma, Hepatocellular Adenoma, or Hepatoblastoma
Benign Tumors
Malignant Tumors
Malignant and Benign Tumors

FEMALE MICE

Organ

Liver

Skin

All Organs

Morphology

Hepatocellular Adenoma
Hepatocellular Carcinoma
Hepatocellular Carcinoma or Hepatoblastoma
Fibroma, Fibrosarcoma, Sarcoma, Myxoma, Myxosarcoma, or Fibrous Histiocytoma
Fibrosarcoma, Sarcoma, Myxosarcoma, or Fibrous Histiocytoma
Sarcoma
Histiocytic Sarcoma
Malignant and Benign Tumors

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**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Males			
	0 MG/KG	75 MG/KG	150 MG/KG	300 MG/KG

**Adrenal Cortex
 Adenoma**

TUMOR RATES

OVERALL (a)	3/50 (6%)	0/50 (0%)	3/50 (6%)	0/49 (0%)
POLY-3 RATE (b)	3/44.38	0/45.3	3/45.85	0/38.1
POLY-3 PERCENT (g)	6.8%	0%	6.5%	0%
TERMINAL (d)	3/39 (8%)	0/38 (0%)	3/36 (8%)	0/27 (0%)
FIRST INCIDENCE	728 (T)	---	728 (T)	---

STATISTICAL TESTS

LIFE TABLE	P=0.243N	P=0.126N	P=0.626	P=0.193N
POLY 3	P=0.202N	P=0.115N	P=0.647N	P=0.148N
POLY 1.5	P=0.188N	P=0.116N	P=0.650N	P=0.137N
POLY 6	P=0.219N	P=0.114N	P=0.649N	P=0.162N
LOGISTIC REGRESSION	P=0.243N	(e)	P=0.626	(e)
COCH-ARM / FISHERS	P=0.167N	P=0.121N	P=0.661N	P=0.125N
ORDER RESTRICTED	P=0.076N	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.098N	(e)	(e)	(e)

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**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Males			
	0 MG/KG	75 MG/KG	150 MG/KG	300 MG/KG
Harderian Gland Adenoma				
TUMOR RATES	#	#	#	#
OVERALL (a)	8/50 (16%)	4/50 (8%)	3/50 (6%)	3/50 (6%)
POLY-3 RATE (b)	8/44.49	4/45.3	3/45.85	3/38.27
POLY-3 PERCENT (g)	18%	8.8%	6.5%	7.8%
TERMINAL (d)	7/39 (18%)	4/38 (11%)	3/36 (8%)	3/27 (11%)
FIRST INCIDENCE	700	728 (T)	728 (T)	728 (T)
STATISTICAL TESTS				
LIFE TABLE	P=0.184N	P=0.190N	P=0.125N	P=0.254N
POLY 3	P=0.102N	P=0.167N	P=0.089N	P=0.152N
POLY 1.5	P=0.093N	P=0.169N	P=0.091N	P=0.128N
POLY 6	P=0.114N	P=0.166N	P=0.089N	P=0.182N
LOGISTIC REGRESSION	P=0.159N	P=0.168N	P=0.097N	P=0.212N
COCH-ARM / FISHERS	P=0.078N	P=0.178N	P=0.100N	P=0.100N
ORDER RESTRICTED	P=0.088N	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.112N	(e)	(e)	(e)

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**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Males			
	0 MG/KG	75 MG/KG	150 MG/KG	300 MG/KG

**Harderian Gland
 Carcinoma**

TUMOR RATES

	#	#	#	#
OVERALL (a)	4/50 (8%)	3/50 (6%)	2/50 (4%)	1/50 (2%)
POLY-3 RATE (b)	4/45.11	3/46.49	2/45.85	1/38.27
POLY-3 PERCENT (g)	8.9%	6.5%	4.4%	2.6%
TERMINAL (d)	3/39 (8%)	1/38 (3%)	2/36 (6%)	1/27 (4%)
FIRST INCIDENCE	468	441	728 (T)	728 (T)

STATISTICAL TESTS

LIFE TABLE	P=0.185N	P=0.501N	P=0.367N	P=0.287N
POLY 3	P=0.148N	P=0.484N	P=0.330N	P=0.233N
POLY 1.5	P=0.135N	P=0.488N	P=0.330N	P=0.210N
POLY 6	P=0.163N	P=0.480N	P=0.333N	P=0.259N
LOGISTIC REGRESSION	P=0.091N	P=0.557N	P=0.349N	P=0.184N
COCH-ARM / FISHERS	P=0.114N	P=0.500N	P=0.339N	P=0.181N
ORDER RESTRICTED	P=0.184N	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.219N	(e)	(e)	(e)

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**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Males			
	0 MG/KG	75 MG/KG	150 MG/KG	300 MG/KG

**Harderian Gland
 Carcinoma or Adenoma**

TUMOR RATES

	#	#	#	#
OVERALL (a)	12/50 (24%)	7/50 (14%)	5/50 (10%)	4/50 (8%)
POLY-3 RATE (b)	12/45.22	7/46.49	5/45.85	4/38.27
POLY-3 PERCENT (g)	26.5%	15.1%	10.9%	10.5%
TERMINAL (d)	10/39 (26%)	5/38 (13%)	5/36 (14%)	4/27 (15%)
FIRST INCIDENCE	468	441	728 (T)	728 (T)

STATISTICAL TESTS

LIFE TABLE	P=0.073N	P=0.170N	P=0.075N	P=0.118N
POLY 3	P=0.034N*	P=0.135N	P=0.048N*	P=0.055N
POLY 1.5	P=0.027N*	P=0.140N	P=0.048N*	P=0.041N*
POLY 6	P=0.042N*	P=0.131N	P=0.049N*	P=0.076N
LOGISTIC REGRESSION	P=0.028N*	P=0.155N	P=0.048N*	P=0.059N
COCH-ARM / FISHERS	P=0.019N*	P=0.154N	P=0.054N	P=0.027N*
ORDER RESTRICTED	P=0.035N*	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.052N	(e)	(e)	(e)

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**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Males			
	0 MG/KG	75 MG/KG	150 MG/KG	300 MG/KG

**Intestine Small: Site Unspecified
 Carcinoma or Adenoma**

TUMOR RATES

	#	#	#	#
OVERALL (a)	0/50 (0%)	0/50 (0%)	2/50 (4%)	0/50 (0%)
POLY-3 RATE (b)	0/44.38	0/45.3	2/45.85	0/38.27
POLY-3 PERCENT (g)	0%	0%	4.4%	0%
TERMINAL (d)	0/39 (0%)	0/38 (0%)	2/36 (6%)	0/27 (0%)
FIRST INCIDENCE	---	---	728 (T)	---

STATISTICAL TESTS

LIFE TABLE	P=0.523	(e)	P=0.221	(e)
POLY 3	P=0.499	(e)	P=0.244	(e)
POLY 1.5	P=0.538	(e)	P=0.243	(e)
POLY 6	P=0.455	(e)	P=0.244	(e)
LOGISTIC REGRESSION	(e)	(e)	P=0.221	(e)
COCH-ARM / FISHERS	P=0.595	(e)	P=0.247	(e)
ORDER RESTRICTED	P=0.257	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.289	(e)	(e)	(e)

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**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Males			
	0 MG/KG	75 MG/KG	150 MG/KG	300 MG/KG

Liver
 Hemangiosarcoma

TUMOR RATES

OVERALL (a)	1/50 (2%)	2/50 (4%)	1/50 (2%)	0/50 (0%)
POLY-3 RATE (b)	1/44.38	2/46.22	1/46.03	0/38.27
POLY-3 PERCENT (g)	2.3%	4.3%	2.2%	0%
TERMINAL (d)	1/39 (3%)	0/38 (0%)	0/36 (0%)	0/27 (0%)
FIRST INCIDENCE	728 (T)	510	682	---

STATISTICAL TESTS

LIFE TABLE	P=0.300N	P=0.502	P=0.757	P=0.573N
POLY 3	P=0.281N	P=0.514	P=0.752N	P=0.529N
POLY 1.5	P=0.268N	P=0.510	P=0.754N	P=0.517N
POLY 6	P=0.295N	P=0.518	P=0.752N	P=0.543N
LOGISTIC REGRESSION	P=0.212N	P=0.460	P=0.759N	(e)
COCH-ARM / FISHERS	P=0.247N	P=0.500	P=0.753N	P=0.500N
ORDER RESTRICTED	P=0.265N	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.297N	(e)	(e)	(e)

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**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Males			
	0 MG/KG	75 MG/KG	150 MG/KG	300 MG/KG
Liver				
Hepatoblastoma				
TUMOR RATES				
OVERALL (a)	3/50 (6%)	1/50 (2%)	0/50 (0%)	2/50 (4%)
POLY-3 RATE (b)	3/44.82	1/45.3	0/45.85	2/38.59
POLY-3 PERCENT (g)	6.7%	2.2%	0%	5.2%
TERMINAL (d)	2/39 (5%)	1/38 (3%)	0/36 (0%)	1/27 (4%)
FIRST INCIDENCE	599	728 (T)	---	640
STATISTICAL TESTS				
LIFE TABLE	P=0.555N	P=0.310N	P=0.130N	P=0.630N
POLY 3	P=0.449N	P=0.301N	P=0.115N	P=0.568N
POLY 1.5	P=0.449N	P=0.301N	P=0.115N	P=0.540N
POLY 6	P=0.447N	P=0.303N	P=0.116N	P=0.597N
LOGISTIC REGRESSION	P=0.459N	P=0.303N	P=0.123N	P=0.529N
COCH-ARM / FISHERS	P=0.444N	P=0.309N	P=0.121N	P=0.500N
ORDER RESTRICTED	P=0.226N	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.258N	(e)	(e)	(e)

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**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Males			
	0 MG/KG	75 MG/KG	150 MG/KG	300 MG/KG

Liver
 Hepatocellular Adenoma

TUMOR RATES

OVERALL (a)	24/50 (48%)	35/50 (70%)	37/50 (74%)	33/50 (66%)
POLY-3 RATE (b)	24/45.3	35/46.22	37/48.11	33/42.46
POLY-3 PERCENT (g)	53%	75.7%	76.9%	77.7%
TERMINAL (d)	22/39 (56%)	31/38 (82%)	29/36 (81%)	23/27 (85%)
FIRST INCIDENCE	469	646	491	408

STATISTICAL TESTS

LIFE TABLE	P<0.001**	P=0.013*	P=0.003**	P<0.001**
POLY 3	P=0.012*	P=0.015*	P=0.010**	P=0.009**
POLY 1.5	P=0.026*	P=0.017*	P=0.009**	P=0.019*
POLY 6	P=0.006**	P=0.015*	P=0.011*	P=0.005**
LOGISTIC REGRESSION	P=0.005**	P=0.021*	P=0.010**	P=0.006**
COCH-ARM / FISHERS	P=0.077	P=0.021*	P=0.007**	P=0.053
ORDER RESTRICTED	P=0.005**	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.007**	(e)	(e)	(e)

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 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Males			
	0 MG/KG	75 MG/KG	150 MG/KG	300 MG/KG

Liver
 Hepatocellular Carcinoma

TUMOR RATES

OVERALL (a)	8/50 (16%)	18/50 (36%)	19/50 (38%)	18/50 (36%)
POLY-3 RATE (b)	8/46.08	18/47.53	19/49.15	18/44.56
POLY-3 PERCENT (g)	17.4%	37.9%	38.7%	40.4%
TERMINAL (d)	5/39 (13%)	10/38 (26%)	9/36 (25%)	5/27 (19%)
FIRST INCIDENCE	469	481	491	385

STATISTICAL TESTS

LIFE TABLE	P=0.008**	P=0.031*	P=0.019*	P=0.007**
POLY 3	P=0.027*	P=0.022*	P=0.017*	P=0.012*
POLY 1.5	P=0.032*	P=0.020*	P=0.015*	P=0.014*
POLY 6	P=0.023*	P=0.024*	P=0.019*	P=0.010**
LOGISTIC REGRESSION	P=0.101	P=0.018*	P=0.006**	P=0.045*
COCH-ARM / FISHERS	P=0.042*	P=0.020*	P=0.012*	P=0.020*
ORDER RESTRICTED	P=0.013*	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.017*	(e)	(e)	(e)

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**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Males			
	0 MG/KG	75 MG/KG	150 MG/KG	300 MG/KG

Liver
 Hepatocellular Carcinoma or Hepatoblastoma

TUMOR RATES

OVERALL (a)	11/50 (22%)	19/50 (38%)	19/50 (38%)	20/50 (40%)
POLY-3 RATE (b)	11/46.52	19/47.53	19/49.15	20/44.88
POLY-3 PERCENT (g)	23.7%	40%	38.7%	44.6%
TERMINAL (d)	7/39 (18%)	11/38 (29%)	9/36 (25%)	6/27 (22%)
FIRST INCIDENCE	469	481	491	385

STATISTICAL TESTS

LIFE TABLE	P=0.011*	P=0.085	P=0.077	P=0.013*
POLY 3	P=0.042*	P=0.068	P=0.085	P=0.027*
POLY 1.5	P=0.050*	P=0.066	P=0.078	P=0.032*
POLY 6	P=0.036*	P=0.071	P=0.091	P=0.023*
LOGISTIC REGRESSION	P=0.135	P=0.058	P=0.039*	P=0.082
COCH-ARM / FISHERS	P=0.063	P=0.063	P=0.063	P=0.041*
ORDER RESTRICTED	P=0.026*	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.032*	(e)	(e)	(e)

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**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Males			
	0 MG/KG	75 MG/KG	150 MG/KG	300 MG/KG

Liver
 Hepatocellular Carcinoma or Hepatocellular Adenoma

TUMOR RATES

OVERALL (a)	28/50 (56%)	43/50 (86%)	43/50 (86%)	43/50 (86%)
POLY-3 RATE (b)	28/46.27	43/47.79	43/49.82	43/47.63
POLY-3 PERCENT (g)	60.5%	90%	86.3%	90.3%
TERMINAL (d)	24/39 (62%)	34/38 (90%)	30/36 (83%)	24/27 (89%)
FIRST INCIDENCE	469	481	491	385

STATISTICAL TESTS

LIFE TABLE	P<0.001**	P=0.003**	P=0.003**	P<0.001**
POLY 3	P<0.001**	P<0.001**	P=0.003**	P<0.001**
POLY 1.5	P<0.001**	P<0.001**	P=0.002**	P<0.001**
POLY 6	P<0.001**	P<0.001**	P=0.004**	P<0.001**
LOGISTIC REGRESSION	P<0.001**	P<0.001**	P<0.001**	P<0.001**
COCH-ARM / FISHERS	P=0.002**	P<0.001**	P<0.001**	P<0.001**
ORDER RESTRICTED	P<0.001**	(e)	(e)	(e)
MAX-ISO-POLY-3	P<0.001**	(e)	(e)	(e)

TDMS No. 88105-04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P8: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 ISOEUGENOL
 CAS Number: 97-54-1
 Pathologist: Blackshear, P. - GRUMBEIN, S.

Date Report Reqsted: 10/04/2006
 Time Report Reqsted: 13:47:31
 First Dose M/F: 05/09/02 / 05/08/02
 Lab: BNW

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Males			
	0 MG/KG	75 MG/KG	150 MG/KG	300 MG/KG

Liver
 Hepatocellular Carcinoma, Hepatocellular Adenoma, or Hepatoblastoma

TUMOR RATES

OVERALL (a)	30/50 (60%)	43/50 (86%)	43/50 (86%)	43/50 (86%)
POLY-3 RATE (b)	30/46.71	43/47.79	43/49.82	43/47.63
POLY-3 PERCENT (g)	64.2%	90%	86.3%	90.3%
TERMINAL (d)	25/39 (64%)	34/38 (90%)	30/36 (83%)	24/27 (89%)
FIRST INCIDENCE	469	481	491	385

STATISTICAL TESTS

LIFE TABLE	P<0.001**	P=0.009**	P=0.008**	P<0.001**
POLY 3	P=0.003**	P=0.002**	P=0.008**	P<0.001**
POLY 1.5	P=0.003**	P=0.002**	P=0.006**	P=0.002**
POLY 6	P=0.003**	P=0.002**	P=0.012*	P<0.001**
LOGISTIC REGRESSION	P<0.001**	P=0.004**	P=0.004**	P=0.002**
COCH-ARM / FISHERS	P=0.005**	P=0.003**	P=0.003**	P=0.003**
ORDER RESTRICTED	P<0.001**	(e)	(e)	(e)
MAX-ISO-POLY-3	P<0.001**	(e)	(e)	(e)

TDMS No. 88105-04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P8: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 ISOEUGENOL
 CAS Number: 97-54-1
 Pathologist: Blackshear, P. - GRUMBEIN, S.

Date Report Reqsted: 10/04/2006
 Time Report Reqsted: 13:47:31
 First Dose M/F: 05/09/02 / 05/08/02
 Lab: BNW

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Males			
	0 MG/KG	75 MG/KG	150 MG/KG	300 MG/KG

Liver
 Hepatocholangiocarcinoma

TUMOR RATES

OVERALL (a)	2/50 (4%)	1/50 (2%)	0/50 (0%)	1/50 (2%)
POLY-3 RATE (b)	2/45.37	1/45.3	0/45.85	1/38.54
POLY-3 PERCENT (g)	4.4%	2.2%	0%	2.6%
TERMINAL (d)	0/39 (0%)	1/38 (3%)	0/36 (0%)	0/27 (0%)
FIRST INCIDENCE	515	728 (T)	---	656

STATISTICAL TESTS

LIFE TABLE	P=0.426N	P=0.498N	P=0.228N	P=0.560N
POLY 3	P=0.370N	P=0.501N	P=0.235N	P=0.556N
POLY 1.5	P=0.370N	P=0.499N	P=0.234N	P=0.534N
POLY 6	P=0.370N	P=0.504N	P=0.238N	P=0.581N
LOGISTIC REGRESSION	P=0.312N	P=0.546N	P=0.324N	P=0.438N
COCH-ARM / FISHERS	P=0.366N	P=0.500N	P=0.247N	P=0.500N
ORDER RESTRICTED	P=0.270N	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.304N	(e)	(e)	(e)

TDMS No. 88105-04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P8: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 ISOEUGENOL
 CAS Number: 97-54-1
 Pathologist: Blackshear, P. - GRUMBEIN, S.

Date Report Reqsted: 10/04/2006
 Time Report Reqsted: 13:47:31
 First Dose M/F: 05/09/02 / 05/08/02
 Lab: BNW

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Males			
	0 MG/KG	75 MG/KG	150 MG/KG	300 MG/KG

Lung
 Alveolar/Bronchiolar Adenoma

TUMOR RATES

OVERALL (a)	6/50 (12%)	5/49 (10%)	2/50 (4%)	8/50 (16%)
POLY-3 RATE (b)	6/44.85	5/44.56	2/45.85	8/39.14
POLY-3 PERCENT (g)	13.4%	11.2%	4.4%	20.4%
TERMINAL (d)	5/39 (13%)	4/37 (11%)	2/36 (6%)	5/27 (19%)
FIRST INCIDENCE	589	658	728 (T)	607

STATISTICAL TESTS

LIFE TABLE	P=0.132	P=0.525N	P=0.157N	P=0.177
POLY 3	P=0.254	P=0.505N	P=0.126N	P=0.284
POLY 1.5	P=0.274	P=0.505N	P=0.127N	P=0.324
POLY 6	P=0.235	P=0.505N	P=0.128N	P=0.246
LOGISTIC REGRESSION	P=0.224	P=0.504N	P=0.125N	P=0.284
COCH-ARM / FISHERS	P=0.311	P=0.514N	P=0.134N	P=0.387
ORDER RESTRICTED	P=0.102	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.128	(e)	(e)	(e)

TDMS No. 88105-04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P8: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 ISOEUGENOL
 CAS Number: 97-54-1
 Pathologist: Blackshear, P. - GRUMBEIN, S.

Date Report Reqsted: 10/04/2006
 Time Report Reqsted: 13:47:31
 First Dose M/F: 05/09/02 / 05/08/02
 Lab: BNW

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Males			
	0 MG/KG	75 MG/KG	150 MG/KG	300 MG/KG

**Lung
 Alveolar/Bronchiolar Carcinoma**

TUMOR RATES

OVERALL (a)	2/50 (4%)	7/49 (14%)	7/50 (14%)	2/50 (4%)
POLY-3 RATE (b)	2/44.38	7/45.32	7/45.92	2/38.27
POLY-3 PERCENT (g)	4.5%	15.5%	15.2%	5.2%
TERMINAL (d)	2/39 (5%)	4/37 (11%)	6/36 (17%)	2/27 (7%)
FIRST INCIDENCE	728 (T)	510	710	728 (T)

STATISTICAL TESTS

LIFE TABLE	P=0.525	P=0.080	P=0.065	P=0.556
POLY 3	P=0.530N	P=0.083	P=0.087	P=0.640
POLY 1.5	P=0.476N	P=0.081	P=0.086	P=0.662
POLY 6	P=0.525	P=0.086	P=0.086	P=0.614
LOGISTIC REGRESSION	P=0.495N	P=0.076	P=0.076	P=0.556
COCH-ARM / FISHERS	P=0.397N	P=0.075	P=0.080	P=0.691N
ORDER RESTRICTED	P=0.199	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.232	(e)	(e)	(e)

TDMS No. 88105-04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P8: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 ISOEUGENOL
 CAS Number: 97-54-1
 Pathologist: Blackshear, P. - GRUMBEIN, S.

Date Report Reqsted: 10/04/2006
 Time Report Reqsted: 13:47:31
 First Dose M/F: 05/09/02 / 05/08/02
 Lab: BNW

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Males			
	0 MG/KG	75 MG/KG	150 MG/KG	300 MG/KG

Lung
 Alveolar/Bronchiolar Carcinoma or Alveolar/Bronchiolar Adenoma

TUMOR RATES

OVERALL (a)	7/50 (14%)	12/49 (24%)	9/50 (18%)	10/50 (20%)
POLY-3 RATE (b)	7/44.85	12/45.58	9/45.92	10/39.14
POLY-3 PERCENT (g)	15.6%	26.3%	19.6%	25.6%
TERMINAL (d)	6/39 (15%)	8/37 (22%)	8/36 (22%)	7/27 (26%)
FIRST INCIDENCE	589	510	710	607

STATISTICAL TESTS

LIFE TABLE	P=0.127	P=0.146	P=0.337	P=0.102
POLY 3	P=0.253	P=0.160	P=0.412	P=0.195
POLY 1.5	P=0.302	P=0.154	P=0.411	P=0.233
POLY 6	P=0.206	P=0.166	P=0.405	P=0.160
LOGISTIC REGRESSION	P=0.254	P=0.147	P=0.417	P=0.180
COCH-ARM / FISHERS	P=0.387	P=0.142	P=0.393	P=0.298
ORDER RESTRICTED	P=0.221	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.253	(e)	(e)	(e)

TDMS No. 88105-04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P8: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 ISOEUGENOL
 CAS Number: 97-54-1
 Pathologist: Blackshear, P. - GRUMBEIN, S.

Date Report Reqsted: 10/04/2006
 Time Report Reqsted: 13:47:31
 First Dose M/F: 05/09/02 / 05/08/02
 Lab: BNW

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Males			
	0 MG/KG	75 MG/KG	150 MG/KG	300 MG/KG

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

TUMOR RATES

OVERALL (a)	0/50 (0%)	0/48 (0%)	0/50 (0%)	0/48 (0%)
POLY-3 RATE (b)	0/44.38	0/43.51	0/45.85	0/37.89
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/39 (0%)	0/37 (0%)	0/36 (0%)	0/27 (0%)
FIRST INCIDENCE	---	---	---	---

STATISTICAL TESTS

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

TDMS No. 88105-04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P8: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 ISOEUGENOL
 CAS Number: 97-54-1
 Pathologist: Blackshear, P. - GRUMBEIN, S.

Date Report Reqsted: 10/04/2006
 Time Report Reqsted: 13:47:31
 First Dose M/F: 05/09/02 / 05/08/02
 Lab: BNW

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Males			
	0 MG/KG	75 MG/KG	150 MG/KG	300 MG/KG

Skin
 Fibroma, Fibrosarcoma, Sarcoma, Myxoma, Myxosarcoma, or Fibrous Histiocytoma

TUMOR RATES	#	#	#	#
OVERALL (a)	0/50 (0%)	1/50 (2%)	1/50 (2%)	0/50 (0%)
POLY-3 RATE (b)	0/44.38	1/45.6	1/45.96	0/38.27
POLY-3 PERCENT (g)	0%	2.2%	2.2%	0%
TERMINAL (d)	0/39 (0%)	0/38 (0%)	0/36 (0%)	0/27 (0%)
FIRST INCIDENCE	---	646	700	---

STATISTICAL TESTS

LIFE TABLE	P=0.656N	P=0.519	P=0.500	(e)
POLY 3	P=0.630N	P=0.505	P=0.507	(e)
POLY 1.5	P=0.616N	P=0.504	P=0.506	(e)
POLY 6	P=0.645N	P=0.507	P=0.507	(e)
LOGISTIC REGRESSION	P=0.584N	P=0.483	P=0.502	(e)
COCH-ARM / FISHERS	P=0.595N	P=0.500	P=0.500	(e)
ORDER RESTRICTED	P=0.417	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.445	(e)	(e)	(e)

TDMS No. 88105-04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P8: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 ISOEUGENOL
 CAS Number: 97-54-1
 Pathologist: Blackshear, P. - GRUMBEIN, S.

Date Report Reqsted: 10/04/2006
 Time Report Reqsted: 13:47:31
 First Dose M/F: 05/09/02 / 05/08/02
 Lab: BNW

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Males			
	0 MG/KG	75 MG/KG	150 MG/KG	300 MG/KG

**Skin
 Fibrosarcoma, Sarcoma, Myxosarcoma, or Fibrous Histiocytoma**

TUMOR RATES	#	#	#	#
OVERALL (a)	0/50 (0%)	1/50 (2%)	1/50 (2%)	0/50 (0%)
POLY-3 RATE (b)	0/44.38	1/45.6	1/45.96	0/38.27
POLY-3 PERCENT (g)	0%	2.2%	2.2%	0%
TERMINAL (d)	0/39 (0%)	0/38 (0%)	0/36 (0%)	0/27 (0%)
FIRST INCIDENCE	---	646	700	---

STATISTICAL TESTS

LIFE TABLE	P=0.656N	P=0.519	P=0.500	(e)
POLY 3	P=0.630N	P=0.505	P=0.507	(e)
POLY 1.5	P=0.616N	P=0.504	P=0.506	(e)
POLY 6	P=0.645N	P=0.507	P=0.507	(e)
LOGISTIC REGRESSION	P=0.584N	P=0.483	P=0.502	(e)
COCH-ARM / FISHERS	P=0.595N	P=0.500	P=0.500	(e)
ORDER RESTRICTED	P=0.417	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.445	(e)	(e)	(e)

TDMS No. 88105-04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P8: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 ISOEUGENOL
 CAS Number: 97-54-1
 Pathologist: Blackshear, P. - GRUMBEIN, S.

Date Report Reqsted: 10/04/2006
 Time Report Reqsted: 13:47:31
 First Dose M/F: 05/09/02 / 05/08/02
 Lab: BNW

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Males			
	0 MG/KG	75 MG/KG	150 MG/KG	300 MG/KG
Skin				
Sarcoma				
TUMOR RATES				
	#	#	#	#
OVERALL (a)	0/50 (0%)	0/50 (0%)	1/50 (2%)	0/50 (0%)
POLY-3 RATE (b)	0/44.38	0/45.3	1/45.96	0/38.27
POLY-3 PERCENT (g)	0%	0%	2.2%	0%
TERMINAL (d)	0/39 (0%)	0/38 (0%)	0/36 (0%)	0/27 (0%)
FIRST INCIDENCE	---	---	700	---
STATISTICAL TESTS				
LIFE TABLE	P=0.662	(e)	P=0.500	(e)
POLY 3	P=0.619	(e)	P=0.507	(e)
POLY 1.5	P=0.650	(e)	P=0.506	(e)
POLY 6	P=0.583	(e)	P=0.507	(e)
LOGISTIC REGRESSION	P=0.688	(e)	P=0.502	(e)
COCH-ARM / FISHERS	P=0.694	(e)	P=0.500	(e)
ORDER RESTRICTED	P=0.390	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.417	(e)	(e)	(e)

TDMS No. 88105-04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P8: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 ISOEUGENOL
 CAS Number: 97-54-1
 Pathologist: Blackshear, P. - GRUMBEIN, S.

Date Report Reqsted: 10/04/2006
 Time Report Reqsted: 13:47:31
 First Dose M/F: 05/09/02 / 05/08/02
 Lab: BNW

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Males			
	0 MG/KG	75 MG/KG	150 MG/KG	300 MG/KG

**Stomach, Forestomach
 Squamous Cell Papilloma**

TUMOR RATES	#	#	#	#
OVERALL (a)	0/50 (0%)	2/50 (4%)	2/50 (4%)	0/50 (0%)
POLY-3 RATE (b)	0/44.38	2/45.3	2/45.85	0/38.27
POLY-3 PERCENT (g)	0%	4.4%	4.4%	0%
TERMINAL (d)	0/39 (0%)	2/38 (5%)	2/36 (6%)	0/27 (0%)
FIRST INCIDENCE	---	728 (T)	728 (T)	---

STATISTICAL TESTS

LIFE TABLE	P=0.610N	P=0.233	P=0.221	(e)
POLY 3	P=0.566N	P=0.242	P=0.244	(e)
POLY 1.5	P=0.539N	P=0.241	P=0.243	(e)
POLY 6	P=0.595N	P=0.242	P=0.244	(e)
LOGISTIC REGRESSION	(e)	P=0.233	P=0.221	(e)
COCH-ARM / FISHERS	P=0.500N	P=0.247	P=0.247	(e)
ORDER RESTRICTED	P=0.289	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.321	(e)	(e)	(e)

TDMS No. 88105-04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P8: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 ISOEUGENOL
 CAS Number: 97-54-1
 Pathologist: Blackshear, P. - GRUMBEIN, S.

Date Report Reqsted: 10/04/2006
 Time Report Reqsted: 13:47:31
 First Dose M/F: 05/09/02 / 05/08/02
 Lab: BNW

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Males			
	0 MG/KG	75 MG/KG	150 MG/KG	300 MG/KG

Testes
 Adenoma

TUMOR RATES

OVERALL (a)	2/50 (4%)	1/50 (2%)	1/50 (2%)	0/50 (0%)
POLY-3 RATE (b)	2/45.02	1/45.3	1/45.85	0/38.27
POLY-3 PERCENT (g)	4.4%	2.2%	2.2%	0%
TERMINAL (d)	1/39 (3%)	1/38 (3%)	1/36 (3%)	0/27 (0%)
FIRST INCIDENCE	515	728 (T)	728 (T)	---

STATISTICAL TESTS

LIFE TABLE	P=0.198N	P=0.508N	P=0.514N	P=0.288N
POLY 3	P=0.173N	P=0.498N	P=0.494N	P=0.275N
POLY 1.5	P=0.166N	P=0.497N	P=0.494N	P=0.259N
POLY 6	P=0.181N	P=0.499N	P=0.497N	P=0.293N
LOGISTIC REGRESSION	P=0.143N	P=0.521N	P=0.542N	P=0.206N
COCH-ARM / FISHERS	P=0.153N	P=0.500N	P=0.500N	P=0.247N
ORDER RESTRICTED	P=0.148N	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.181N	(e)	(e)	(e)

TDMS No. 88105-04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P8: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 ISOEUGENOL
 CAS Number: 97-54-1
 Pathologist: Blackshear, P. - GRUMBEIN, S.

Date Report Reqsted: 10/04/2006
 Time Report Reqsted: 13:47:31
 First Dose M/F: 05/09/02 / 05/08/02
 Lab: BNW

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Males			
	0 MG/KG	75 MG/KG	150 MG/KG	300 MG/KG

**All Organs
 Hemangiosarcoma**

TUMOR RATES	#	#	#	#
OVERALL (a)	3/50 (6%)	4/50 (8%)	2/50 (4%)	1/50 (2%)
POLY-3 RATE (b)	3/44.38	4/46.22	2/46.03	1/39.1
POLY-3 PERCENT (g)	6.8%	8.7%	4.4%	2.6%
TERMINAL (d)	3/39 (8%)	2/38 (5%)	1/36 (3%)	0/27 (0%)
FIRST INCIDENCE	728 (T)	510	682	408

STATISTICAL TESTS

LIFE TABLE	P=0.250N	P=0.494	P=0.525N	P=0.414N
POLY 3	P=0.198N	P=0.522	P=0.483N	P=0.352N
POLY 1.5	P=0.183N	P=0.515	P=0.487N	P=0.332N
POLY 6	P=0.215N	P=0.529	P=0.483N	P=0.375N
LOGISTIC REGRESSION	P=0.134N	P=0.495	P=0.487N	P=0.279N
COCH-ARM / FISHERS	P=0.162N	P=0.500	P=0.500N	P=0.309N
ORDER RESTRICTED	P=0.258N	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.286N	(e)	(e)	(e)

TDMS No. 88105-04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P8: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 ISOEUGENOL
 CAS Number: 97-54-1
 Pathologist: Blackshear, P. - GRUMBEIN, S.

Date Report Reqsted: 10/04/2006
 Time Report Reqsted: 13:47:31
 First Dose M/F: 05/09/02 / 05/08/02
 Lab: BNW

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Males			
	0 MG/KG	75 MG/KG	150 MG/KG	300 MG/KG

**All Organs
 Histiocytic Sarcoma**

TUMOR RATES	#	#	#	#
OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/44.38	0/45.3	0/45.85	0/38.27
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/39 (0%)	0/38 (0%)	0/36 (0%)	0/27 (0%)
FIRST INCIDENCE	---	---	---	---

STATISTICAL TESTS

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

TDMS No. 88105-04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P8: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 ISOEUGENOL
 CAS Number: 97-54-1
 Pathologist: Blackshear, P. - GRUMBEIN, S.

Date Report Reqsted: 10/04/2006
 Time Report Reqsted: 13:47:31
 First Dose M/F: 05/09/02 / 05/08/02
 Lab: BNW

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Males			
	0 MG/KG	75 MG/KG	150 MG/KG	300 MG/KG

**All Organs
 Malignant Lymphoma: Histiocytic, Lymphocytic, Mixed, NOS, or Undifferentiated Cell Type**

TUMOR RATES	#	#	#	#
OVERALL (a)	0/50 (0%)	0/50 (0%)	3/50 (6%)	2/50 (4%)
POLY-3 RATE (b)	0/44.38	0/45.3	3/46.32	2/38.27
POLY-3 PERCENT (g)	0%	0%	6.5%	5.2%
TERMINAL (d)	0/39 (0%)	0/38 (0%)	1/36 (3%)	2/27 (7%)
FIRST INCIDENCE	---	---	629	728 (T)

STATISTICAL TESTS

LIFE TABLE	P=0.050*	(e)	P=0.125	P=0.162
POLY 3	P=0.063	(e)	P=0.127	P=0.206
POLY 1.5	P=0.074	(e)	P=0.125	P=0.218
POLY 6	P=0.052	(e)	P=0.127	P=0.192
LOGISTIC REGRESSION	P=0.075	(e)	P=0.114	P=0.162
COCH-ARM / FISHERS	P=0.097	(e)	P=0.121	P=0.247
ORDER RESTRICTED	P=0.089	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.098	(e)	(e)	(e)

TDMS No. 88105-04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P8: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 ISOEUGENOL
 CAS Number: 97-54-1
 Pathologist: Blackshear, P. - GRUMBEIN, S.

Date Report Reqsted: 10/04/2006
 Time Report Reqsted: 13:47:31
 First Dose M/F: 05/09/02 / 05/08/02
 Lab: BNW

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Males			
	0 MG/KG	75 MG/KG	150 MG/KG	300 MG/KG

**All Organs
 Benign Tumors**

TUMOR RATES

	#	#	#	#
OVERALL (a)	33/50 (66%)	37/50 (74%)	37/50 (74%)	36/50 (72%)
POLY-3 RATE (b)	33/46.53	37/46.22	37/48.11	36/42.84
POLY-3 PERCENT (g)	70.9%	80.1%	76.9%	84%
TERMINAL (d)	28/39 (72%)	33/38 (87%)	29/36 (81%)	25/27 (93%)
FIRST INCIDENCE	469	646	491	408

STATISTICAL TESTS

LIFE TABLE	P=0.002**	P=0.216	P=0.163	P=0.005**
POLY 3	P=0.107	P=0.208	P=0.329	P=0.095
POLY 1.5	P=0.180	P=0.233	P=0.314	P=0.170
POLY 6	P=0.060	P=0.186	P=0.333	P=0.050*
LOGISTIC REGRESSION	P=0.056	P=0.299	P=0.330	P=0.081
COCH-ARM / FISHERS	P=0.346	P=0.257	P=0.257	P=0.333
ORDER RESTRICTED	P=0.092	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.107	(e)	(e)	(e)

TDMS No. 88105-04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P8: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 ISOEUGENOL
 CAS Number: 97-54-1
 Pathologist: Blackshear, P. - GRUMBEIN, S.

Date Report Reqsted: 10/04/2006
 Time Report Reqsted: 13:47:31
 First Dose M/F: 05/09/02 / 05/08/02
 Lab: BNW

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Males			
	0 MG/KG	75 MG/KG	150 MG/KG	300 MG/KG

**All Organs
 Malignant Tumors**

TUMOR RATES

	#	#	#	#
OVERALL (a)	20/50 (40%)	27/50 (54%)	29/50 (58%)	28/50 (56%)
POLY-3 RATE (b)	20/48.25	27/49.23	29/49.79	28/45.98
POLY-3 PERCENT (g)	41.5%	54.9%	58.2%	60.9%
TERMINAL (d)	13/39 (33%)	16/38 (42%)	16/36 (44%)	12/27 (44%)
FIRST INCIDENCE	468	441	491	385

STATISTICAL TESTS

LIFE TABLE	P=0.009**	P=0.156	P=0.077	P=0.015*
POLY 3	P=0.046*	P=0.131	P=0.071	P=0.043*
POLY 1.5	P=0.062	P=0.127	P=0.066	P=0.056
POLY 6	P=0.034*	P=0.138	P=0.075	P=0.033*
LOGISTIC REGRESSION	P=0.195	P=0.093	P=0.035*	P=0.142
COCH-ARM / FISHERS	P=0.090	P=0.115	P=0.055	P=0.080
ORDER RESTRICTED	P=0.041*	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.051	(e)	(e)	(e)

TDMS No. 88105-04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P8: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 ISOEUGENOL
 CAS Number: 97-54-1
 Pathologist: Blackshear, P. - GRUMBEIN, S.

Date Report Reqsted: 10/04/2006
 Time Report Reqsted: 13:47:31
 First Dose M/F: 05/09/02 / 05/08/02
 Lab: BNW

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Males			
	0 MG/KG	75 MG/KG	150 MG/KG	300 MG/KG

**All Organs
 Malignant and Benign Tumors**

TUMOR RATES

	#	#	#	#
OVERALL (a)	43/50 (86%)	48/50 (96%)	46/50 (92%)	46/50 (92%)
POLY-3 RATE (b)	43/49.02	48/49.23	46/50	46/47.63
POLY-3 PERCENT (g)	87.7%	97.5%	92%	96.6%
TERMINAL (d)	33/39 (85%)	37/38 (97%)	32/36 (89%)	27/27 (100%)
FIRST INCIDENCE	468	441	491	385

STATISTICAL TESTS

LIFE TABLE	P=0.002**	P=0.189	P=0.234	P=0.004**
POLY 3	P=0.128	P=0.067	P=0.355	P=0.097
POLY 1.5	P=0.200	P=0.075	P=0.341	P=0.158
POLY 6	P=0.072	P=0.059	P=0.358	P=0.051
LOGISTIC REGRESSION	P=0.194	P=0.098	P=0.283	P=0.154
COCH-ARM / FISHERS	P=0.319	P=0.080	P=0.262	P=0.262
ORDER RESTRICTED	P=0.050*	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.057	(e)	(e)	(e)

TDMS No. 88105-04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P8: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 ISOEUGENOL
 CAS Number: 97-54-1
 Pathologist: Blackshear, P. - GRUMBEIN, S.

Date Report Reqsted: 10/04/2006
 Time Report Reqsted: 13:47:31
 First Dose M/F: 05/09/02 / 05/08/02
 Lab: BNW

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females			
	0 MG/KG	75 MG/KG	150 MG/KG	300 MG/KG

**Adrenal Cortex
 Adenoma**

TUMOR RATES

OVERALL (a)	0/48 (0%)	0/50 (0%)	1/49 (2%)	0/50 (0%)
POLY-3 RATE (b)	0/41.83	0/46.47	1/46.47	0/40.48
POLY-3 PERCENT (g)	0%	0%	2.2%	0%
TERMINAL (d)	0/34 (0%)	0/39 (0%)	1/38 (3%)	0/33 (0%)
FIRST INCIDENCE	---	---	727 (T)	---

STATISTICAL TESTS

LIFE TABLE	P=0.691	(e)	P=0.522	(e)
POLY 3	P=0.651	(e)	P=0.521	(e)
POLY 1.5	P=0.672	(e)	P=0.516	(e)
POLY 6	P=0.626	(e)	P=0.524	(e)
LOGISTIC REGRESSION	(e)	(e)	P=0.522	(e)
COCH-ARM / FISHERS	P=0.698	(e)	P=0.505	(e)
ORDER RESTRICTED	P=0.399	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.412	(e)	(e)	(e)

TDMS No. 88105-04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P8: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 ISOEUGENOL
 CAS Number: 97-54-1
 Pathologist: Blackshear, P. - GRUMBEIN, S.

Date Report Reqsted: 10/04/2006
 Time Report Reqsted: 13:47:31
 First Dose M/F: 05/09/02 / 05/08/02
 Lab: BNW

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females			
	0 MG/KG	75 MG/KG	150 MG/KG	300 MG/KG
Harderian Gland Adenoma				
TUMOR RATES	#	#	#	#
OVERALL (a)	3/49 (6%)	3/50 (6%)	2/50 (4%)	5/50 (10%)
POLY-3 RATE (b)	3/42.59	3/46.47	2/46.55	5/41.46
POLY-3 PERCENT (g)	7%	6.5%	4.3%	12.1%
TERMINAL (d)	3/34 (9%)	3/39 (8%)	2/38 (5%)	3/33 (9%)
FIRST INCIDENCE	727 (T)	727 (T)	727 (T)	553
STATISTICAL TESTS				
LIFE TABLE	P=0.227	P=0.599N	P=0.449N	P=0.334
POLY 3	P=0.248	P=0.622N	P=0.460N	P=0.341
POLY 1.5	P=0.258	P=0.629N	P=0.469N	P=0.354
POLY 6	P=0.239	P=0.618N	P=0.453N	P=0.326
LOGISTIC REGRESSION	P=0.240	P=0.599N	P=0.449N	P=0.348
COCH-ARM / FISHERS	P=0.271	P=0.651N	P=0.490N	P=0.369
ORDER RESTRICTED	P=0.232	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.242	(e)	(e)	(e)

TDMS No. 88105-04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P8: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 ISOEUGENOL
 CAS Number: 97-54-1
 Pathologist: Blackshear, P. - GRUMBEIN, S.

Date Report Reqsted: 10/04/2006
 Time Report Reqsted: 13:47:31
 First Dose M/F: 05/09/02 / 05/08/02
 Lab: BNW

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females			
	0 MG/KG	75 MG/KG	150 MG/KG	300 MG/KG
Harderian Gland Carcinoma				
TUMOR RATES	#	#	#	#
OVERALL (a)	1/49 (2%)	2/50 (4%)	2/50 (4%)	1/50 (2%)
POLY-3 RATE (b)	1/42.59	2/46.97	2/46.68	1/40.48
POLY-3 PERCENT (g)	2.4%	4.3%	4.3%	2.5%
TERMINAL (d)	1/34 (3%)	1/39 (3%)	1/38 (3%)	1/33 (3%)
FIRST INCIDENCE	727 (T)	577	695	727 (T)
STATISTICAL TESTS				
LIFE TABLE	P=0.593N	P=0.544	P=0.540	P=0.755
POLY 3	P=0.580N	P=0.534	P=0.532	P=0.749
POLY 1.5	P=0.566N	P=0.527	P=0.524	P=0.757
POLY 6	P=0.594N	P=0.539	P=0.538	P=0.740
LOGISTIC REGRESSION	P=0.561N	P=0.484	P=0.534	P=0.755
COCH-ARM / FISHERS	P=0.550N	P=0.508	P=0.508	P=0.747N
ORDER RESTRICTED	P=0.578	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.585	(e)	(e)	(e)

TDMS No. 88105-04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P8: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 ISOEUGENOL
 CAS Number: 97-54-1
 Pathologist: Blackshear, P. - GRUMBEIN, S.

Date Report Reqsted: 10/04/2006
 Time Report Reqsted: 13:47:31
 First Dose M/F: 05/09/02 / 05/08/02
 Lab: BNW

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females			
	0 MG/KG	75 MG/KG	150 MG/KG	300 MG/KG

**Harderian Gland
 Carcinoma or Adenoma**

TUMOR RATES	#	#	#	#
OVERALL (a)	4/49 (8%)	5/50 (10%)	4/50 (8%)	5/50 (10%)
POLY-3 RATE (b)	4/42.59	5/46.97	4/46.68	5/41.46
POLY-3 PERCENT (g)	9.4%	10.7%	8.6%	12.1%
TERMINAL (d)	4/34 (12%)	4/39 (10%)	3/38 (8%)	3/33 (9%)
FIRST INCIDENCE	727 (T)	577	695	553

STATISTICAL TESTS

LIFE TABLE	P=0.413	P=0.583	P=0.580N	P=0.473
POLY 3	P=0.436	P=0.561	P=0.592N	P=0.483
POLY 1.5	P=0.454	P=0.548	P=0.604N	P=0.498
POLY 6	P=0.420	P=0.569	P=0.582N	P=0.467
LOGISTIC REGRESSION	P=0.449	P=0.549	P=0.580N	P=0.485
COCH-ARM / FISHERS	P=0.477	P=0.513	P=0.631N	P=0.513
ORDER RESTRICTED	P=0.545	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.553	(e)	(e)	(e)

TDMS No. 88105-04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P8: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 ISOEUGENOL
 CAS Number: 97-54-1
 Pathologist: Blackshear, P. - GRUMBEIN, S.

Date Report Reqsted: 10/04/2006
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 First Dose M/F: 05/09/02 / 05/08/02
 Lab: BNW

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females			
	0 MG/KG	75 MG/KG	150 MG/KG	300 MG/KG

**Intestine Small: Site Unspecified
 Carcinoma or Adenoma**

TUMOR RATES

	#	#	#	#
OVERALL (a)	0/49 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/42.59	0/46.47	0/46.55	0/40.48
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/34 (0%)	0/39 (0%)	0/38 (0%)	0/33 (0%)
FIRST INCIDENCE	---	---	---	---

STATISTICAL TESTS

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

TDMS No. 88105-04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P8: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 ISOEUGENOL
 CAS Number: 97-54-1
 Pathologist: Blackshear, P. - GRUMBEIN, S.

Date Report Reqsted: 10/04/2006
 Time Report Reqsted: 13:47:31
 First Dose M/F: 05/09/02 / 05/08/02
 Lab: BNW

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females			
	0 MG/KG	75 MG/KG	150 MG/KG	300 MG/KG

Liver
 Hemangiosarcoma

TUMOR RATES

OVERALL (a)	0/49 (0%)	2/50 (4%)	0/49 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/42.59	2/46.47	0/46.47	0/40.48
POLY-3 PERCENT (g)	0%	4.3%	0%	0%
TERMINAL (d)	0/34 (0%)	2/39 (5%)	0/38 (0%)	0/33 (0%)
FIRST INCIDENCE	---	727 (T)	---	---

STATISTICAL TESTS

LIFE TABLE	P=0.416N	P=0.269	(e)	(e)
POLY 3	P=0.396N	P=0.257	(e)	(e)
POLY 1.5	P=0.396N	P=0.253	(e)	(e)
POLY 6	P=0.397N	P=0.259	(e)	(e)
LOGISTIC REGRESSION	(e)	P=0.269	(e)	(e)
COCH-ARM / FISHERS	P=0.402N	P=0.253	(e)	(e)
ORDER RESTRICTED	P=0.275N	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.291N	(e)	(e)	(e)

TDMS No. 88105-04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P8: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 ISOEUGENOL
 CAS Number: 97-54-1
 Pathologist: Blackshear, P. - GRUMBEIN, S.

Date Report Reqsted: 10/04/2006
 Time Report Reqsted: 13:47:31
 First Dose M/F: 05/09/02 / 05/08/02
 Lab: BNW

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females			
	0 MG/KG	75 MG/KG	150 MG/KG	300 MG/KG

Liver
 Hepatoblastoma

TUMOR RATES

OVERALL (a)	0/49 (0%)	0/50 (0%)	0/49 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/42.59	0/46.47	0/46.47	0/40.48
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/34 (0%)	0/39 (0%)	0/38 (0%)	0/33 (0%)
FIRST INCIDENCE	---	---	---	---

STATISTICAL TESTS

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

TDMS No. 88105-04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P8: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 ISOEUGENOL
 CAS Number: 97-54-1
 Pathologist: Blackshear, P. - GRUMBEIN, S.

Date Report Reqsted: 10/04/2006
 Time Report Reqsted: 13:47:31
 First Dose M/F: 05/09/02 / 05/08/02
 Lab: BNW

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females			
	0 MG/KG	75 MG/KG	150 MG/KG	300 MG/KG

Liver
 Hepatocellular Adenoma

TUMOR RATES

OVERALL (a)	11/49 (22%)	10/50 (20%)	9/49 (18%)	4/50 (8%)
POLY-3 RATE (b)	11/42.86	10/48.19	9/46.61	4/40.59
POLY-3 PERCENT (g)	25.7%	20.8%	19.3%	9.9%
TERMINAL (d)	8/34 (24%)	5/39 (13%)	8/38 (21%)	3/33 (9%)
FIRST INCIDENCE	699	577	693	698

STATISTICAL TESTS

LIFE TABLE	P=0.050N*	P=0.384N	P=0.300N	P=0.062N
POLY 3	P=0.048N*	P=0.380N	P=0.321N	P=0.053N
POLY 1.5	P=0.039N*	P=0.410N	P=0.342N	P=0.046N*
POLY 6	P=0.059N	P=0.355N	P=0.308N	P=0.063N
LOGISTIC REGRESSION	P=0.039N*	P=0.450N	P=0.294N	P=0.067N
COCH-ARM / FISHERS	P=0.030N*	P=0.479N	P=0.401N	P=0.041N*
ORDER RESTRICTED	P=0.053N	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.065N	(e)	(e)	(e)

TDMS No. 88105-04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P8: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 ISOEUGENOL
 CAS Number: 97-54-1
 Pathologist: Blackshear, P. - GRUMBEIN, S.

Date Report Reqsted: 10/04/2006
 Time Report Reqsted: 13:47:31
 First Dose M/F: 05/09/02 / 05/08/02
 Lab: BNW

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females			
	0 MG/KG	75 MG/KG	150 MG/KG	300 MG/KG

Liver
 Hepatocellular Carcinoma

TUMOR RATES

OVERALL (a)	3/49 (6%)	8/50 (16%)	9/49 (18%)	6/50 (12%)
POLY-3 RATE (b)	3/43.63	8/46.47	9/46.85	6/40.48
POLY-3 PERCENT (g)	6.9%	17.2%	19.2%	14.8%
TERMINAL (d)	1/34 (3%)	8/39 (21%)	6/38 (16%)	6/33 (18%)
FIRST INCIDENCE	423	727 (T)	647	727 (T)

STATISTICAL TESTS

LIFE TABLE	P=0.257	P=0.147	P=0.098	P=0.227
POLY 3	P=0.231	P=0.119	P=0.077	P=0.205
POLY 1.5	P=0.267	P=0.117	P=0.072	P=0.226
POLY 6	P=0.195	P=0.117	P=0.080	P=0.182
LOGISTIC REGRESSION	P=0.259	P=0.105	P=0.049*	P=0.238
COCH-ARM / FISHERS	P=0.319	P=0.106	P=0.060	P=0.254
ORDER RESTRICTED	P=0.149	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.169	(e)	(e)	(e)

TDMS No. 88105-04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P8: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 ISOEUGENOL
 CAS Number: 97-54-1
 Pathologist: Blackshear, P. - GRUMBEIN, S.

Date Report Reqsted: 10/04/2006
 Time Report Reqsted: 13:47:31
 First Dose M/F: 05/09/02 / 05/08/02
 Lab: BNW

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females			
	0 MG/KG	75 MG/KG	150 MG/KG	300 MG/KG

Liver
 Hepatocellular Carcinoma or Hepatoblastoma

TUMOR RATES

OVERALL (a)	3/49 (6%)	8/50 (16%)	9/49 (18%)	6/50 (12%)
POLY-3 RATE (b)	3/43.63	8/46.47	9/46.85	6/40.48
POLY-3 PERCENT (g)	6.9%	17.2%	19.2%	14.8%
TERMINAL (d)	1/34 (3%)	8/39 (21%)	6/38 (16%)	6/33 (18%)
FIRST INCIDENCE	423	727 (T)	647	727 (T)

STATISTICAL TESTS

LIFE TABLE	P=0.257	P=0.147	P=0.098	P=0.227
POLY 3	P=0.231	P=0.119	P=0.077	P=0.205
POLY 1.5	P=0.267	P=0.117	P=0.072	P=0.226
POLY 6	P=0.195	P=0.117	P=0.080	P=0.182
LOGISTIC REGRESSION	P=0.259	P=0.105	P=0.049*	P=0.238
COCH-ARM / FISHERS	P=0.319	P=0.106	P=0.060	P=0.254
ORDER RESTRICTED	P=0.149	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.169	(e)	(e)	(e)

TDMS No. 88105-04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P8: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 ISOEUGENOL
 CAS Number: 97-54-1
 Pathologist: Blackshear, P. - GRUMBEIN, S.

Date Report Reqsted: 10/04/2006
 Time Report Reqsted: 13:47:31
 First Dose M/F: 05/09/02 / 05/08/02
 Lab: BNW

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females			
	0 MG/KG	75 MG/KG	150 MG/KG	300 MG/KG

Liver
 Hepatocellular Carcinoma or Hepatocellular Adenoma

TUMOR RATES

OVERALL (a)	13/49 (27%)	16/50 (32%)	15/49 (31%)	9/50 (18%)
POLY-3 RATE (b)	13/43.9	16/48.19	15/46.98	9/40.59
POLY-3 PERCENT (g)	29.6%	33.2%	31.9%	22.2%
TERMINAL (d)	8/34 (24%)	11/39 (28%)	11/38 (29%)	8/33 (24%)
FIRST INCIDENCE	423	577	647	698

STATISTICAL TESTS

LIFE TABLE	P=0.216N	P=0.481	P=0.546	P=0.281N
POLY 3	P=0.229N	P=0.442	P=0.495	P=0.297N
POLY 1.5	P=0.185N	P=0.417	P=0.474	P=0.258N
POLY 6	P=0.285N	P=0.462	P=0.509	P=0.349N
LOGISTIC REGRESSION	P=0.176N	P=0.361	P=0.476	P=0.279N
COCH-ARM / FISHERS	P=0.136N	P=0.353	P=0.412	P=0.218N
ORDER RESTRICTED	P=0.281N	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.303N	(e)	(e)	(e)

TDMS No. 88105-04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P8: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 ISOEUGENOL
 CAS Number: 97-54-1
 Pathologist: Blackshear, P. - GRUMBEIN, S.

Date Report Reqsted: 10/04/2006
 Time Report Reqsted: 13:47:31
 First Dose M/F: 05/09/02 / 05/08/02
 Lab: BNW

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females			
	0 MG/KG	75 MG/KG	150 MG/KG	300 MG/KG

Liver
 Hepatocellular Carcinoma, Hepatocellular Adenoma, or Hepatoblastoma

TUMOR RATES

OVERALL (a)	13/49 (27%)	16/50 (32%)	15/49 (31%)	9/50 (18%)
POLY-3 RATE (b)	13/43.9	16/48.19	15/46.98	9/40.59
POLY-3 PERCENT (g)	29.6%	33.2%	31.9%	22.2%
TERMINAL (d)	8/34 (24%)	11/39 (28%)	11/38 (29%)	8/33 (24%)
FIRST INCIDENCE	423	577	647	698

STATISTICAL TESTS

LIFE TABLE	P=0.216N	P=0.481	P=0.546	P=0.281N
POLY 3	P=0.229N	P=0.442	P=0.495	P=0.297N
POLY 1.5	P=0.185N	P=0.417	P=0.474	P=0.258N
POLY 6	P=0.285N	P=0.462	P=0.509	P=0.349N
LOGISTIC REGRESSION	P=0.176N	P=0.361	P=0.476	P=0.279N
COCH-ARM / FISHERS	P=0.136N	P=0.353	P=0.412	P=0.218N
ORDER RESTRICTED	P=0.281N	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.303N	(e)	(e)	(e)

TDMS No. 88105-04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P8: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 ISOEUGENOL
 CAS Number: 97-54-1
 Pathologist: Blackshear, P. - GRUMBEIN, S.

Date Report Reqsted: 10/04/2006
 Time Report Reqsted: 13:47:31
 First Dose M/F: 05/09/02 / 05/08/02
 Lab: BNW

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females			
	0 MG/KG	75 MG/KG	150 MG/KG	300 MG/KG

Liver
 Hepatocholangiocarcinoma

TUMOR RATES

OVERALL (a)	0/49 (0%)	0/50 (0%)	0/49 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/42.59	0/46.47	0/46.47	0/40.48
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/34 (0%)	0/39 (0%)	0/38 (0%)	0/33 (0%)
FIRST INCIDENCE	---	---	---	---

STATISTICAL TESTS

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

TDMS No. 88105-04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P8: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 ISOEUGENOL
 CAS Number: 97-54-1
 Pathologist: Blackshear, P. - GRUMBEIN, S.

Date Report Reqsted: 10/04/2006
 Time Report Reqsted: 13:47:31
 First Dose M/F: 05/09/02 / 05/08/02
 Lab: BNW

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females			
	0 MG/KG	75 MG/KG	150 MG/KG	300 MG/KG

Lung
 Alveolar/Bronchiolar Adenoma

TUMOR RATES

OVERALL (a)	4/48 (8%)	2/50 (4%)	1/50 (2%)	1/50 (2%)
POLY-3 RATE (b)	4/41.83	2/46.81	1/46.55	1/40.48
POLY-3 PERCENT (g)	9.6%	4.3%	2.2%	2.5%
TERMINAL (d)	4/34 (12%)	1/39 (3%)	1/38 (3%)	1/33 (3%)
FIRST INCIDENCE	727 (T)	632	727 (T)	727 (T)

STATISTICAL TESTS

LIFE TABLE	P=0.119N	P=0.279N	P=0.147N	P=0.187N
POLY 3	P=0.115N	P=0.287N	P=0.148N	P=0.188N
POLY 1.5	P=0.111N	P=0.295N	P=0.153N	P=0.177N
POLY 6	P=0.119N	P=0.282N	P=0.144N	P=0.202N
LOGISTIC REGRESSION	P=0.119N	P=0.292N	P=0.147N	P=0.187N
COCH-ARM / FISHERS	P=0.104N	P=0.319N	P=0.168N	P=0.168N
ORDER RESTRICTED	P=0.095N	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.106N	(e)	(e)	(e)

TDMS No. 88105-04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P8: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 ISOEUGENOL
 CAS Number: 97-54-1
 Pathologist: Blackshear, P. - GRUMBEIN, S.

Date Report Reqsted: 10/04/2006
 Time Report Reqsted: 13:47:31
 First Dose M/F: 05/09/02 / 05/08/02
 Lab: BNW

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females			
	0 MG/KG	75 MG/KG	150 MG/KG	300 MG/KG

**Lung
 Alveolar/Bronchiolar Carcinoma**

TUMOR RATES

OVERALL (a)	0/48 (0%)	2/50 (4%)	3/50 (6%)	1/50 (2%)
POLY-3 RATE (b)	0/41.83	2/46.77	3/47.05	1/40.48
POLY-3 PERCENT (g)	0%	4.3%	6.4%	2.5%
TERMINAL (d)	0/34 (0%)	1/39 (3%)	2/38 (5%)	1/33 (3%)
FIRST INCIDENCE	---	647	577	727 (T)

STATISTICAL TESTS

LIFE TABLE	P=0.405	P=0.266	P=0.143	P=0.494
POLY 3	P=0.401	P=0.263	P=0.141	P=0.493
POLY 1.5	P=0.426	P=0.259	P=0.137	P=0.501
POLY 6	P=0.372	P=0.265	P=0.145	P=0.484
LOGISTIC REGRESSION	P=0.455	P=0.237	P=0.116	P=0.494
COCH-ARM / FISHERS	P=0.456	P=0.258	P=0.129	P=0.510
ORDER RESTRICTED	P=0.212	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.226	(e)	(e)	(e)

TDMS No. 88105-04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P8: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 ISOEUGENOL
 CAS Number: 97-54-1
 Pathologist: Blackshear, P. - GRUMBEIN, S.

Date Report Reqsted: 10/04/2006
 Time Report Reqsted: 13:47:31
 First Dose M/F: 05/09/02 / 05/08/02
 Lab: BNW

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females			
	0 MG/KG	75 MG/KG	150 MG/KG	300 MG/KG

**Lung
 Alveolar/Bronchiolar Carcinoma or Alveolar/Bronchiolar Adenoma**

TUMOR RATES

OVERALL (a)	4/48 (8%)	4/50 (8%)	4/50 (8%)	2/50 (4%)
POLY-3 RATE (b)	4/41.83	4/47.11	4/47.05	2/40.48
POLY-3 PERCENT (g)	9.6%	8.5%	8.5%	4.9%
TERMINAL (d)	4/34 (12%)	2/39 (5%)	3/38 (8%)	2/33 (6%)
FIRST INCIDENCE	727 (T)	632	577	727 (T)

STATISTICAL TESTS

LIFE TABLE	P=0.292N	P=0.570N	P=0.581N	P=0.350N
POLY 3	P=0.283N	P=0.577N	P=0.577N	P=0.352N
POLY 1.5	P=0.265N	P=0.588N	P=0.590N	P=0.335N
POLY 6	P=0.303N	P=0.569N	P=0.567N	P=0.373N
LOGISTIC REGRESSION	P=0.262N	P=0.599N	P=0.595N	P=0.350N
COCH-ARM / FISHERS	P=0.241N	P=0.619N	P=0.619N	P=0.319N
ORDER RESTRICTED	P=0.363N	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.375N	(e)	(e)	(e)

TDMS No. 88105-04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P8: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 ISOEUGENOL
 CAS Number: 97-54-1
 Pathologist: Blackshear, P. - GRUMBEIN, S.

Date Report Reqsted: 10/04/2006
 Time Report Reqsted: 13:47:31
 First Dose M/F: 05/09/02 / 05/08/02
 Lab: BNW

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females			
	0 MG/KG	75 MG/KG	150 MG/KG	300 MG/KG

Ovary
 Cystadenoma

TUMOR RATES

OVERALL (a)	3/48 (6%)	0/50 (0%)	1/50 (2%)	1/50 (2%)
POLY-3 RATE (b)	3/41.83	0/46.47	1/46.55	1/40.48
POLY-3 PERCENT (g)	7.2%	0%	2.2%	2.5%
TERMINAL (d)	3/34 (9%)	0/39 (0%)	1/38 (3%)	1/33 (3%)
FIRST INCIDENCE	727 (T)	---	727 (T)	727 (T)

STATISTICAL TESTS

LIFE TABLE	P=0.309N	P=0.098N	P=0.266N	P=0.315N
POLY 3	P=0.303N	P=0.101N	P=0.268N	P=0.317N
POLY 1.5	P=0.298N	P=0.103N	P=0.274N	P=0.304N
POLY 6	P=0.305N	P=0.100N	P=0.264N	P=0.333N
LOGISTIC REGRESSION	P=0.309N	(e)	P=0.266N	P=0.315N
COCH-ARM / FISHERS	P=0.286N	P=0.114N	P=0.293N	P=0.293N
ORDER RESTRICTED	P=0.101N	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.112N	(e)	(e)	(e)

TDMS No. 88105-04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P8: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 ISOEUGENOL
 CAS Number: 97-54-1
 Pathologist: Blackshear, P. - GRUMBEIN, S.

Date Report Reqsted: 10/04/2006
 Time Report Reqsted: 13:47:31
 First Dose M/F: 05/09/02 / 05/08/02
 Lab: BNW

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females			
	0 MG/KG	75 MG/KG	150 MG/KG	300 MG/KG

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

TUMOR RATES

OVERALL (a)	4/47 (9%)	0/48 (0%)	4/50 (8%)	1/50 (2%)
POLY-3 RATE (b)	4/41.29	0/44.88	4/46.55	1/40.48
POLY-3 PERCENT (g)	9.7%	0%	8.6%	2.5%
TERMINAL (d)	3/34 (9%)	0/38 (0%)	4/38 (11%)	1/33 (3%)
FIRST INCIDENCE	699	---	727 (T)	727 (T)

STATISTICAL TESTS

LIFE TABLE	P=0.282N	P=0.052N	P=0.582N	P=0.197N
POLY 3	P=0.284N	P=0.050N*	P=0.576N	P=0.184N
POLY 1.5	P=0.266N	P=0.052N	P=0.584N	P=0.172N
POLY 6	P=0.302N	P=0.050N*	P=0.574N	P=0.200N
LOGISTIC REGRESSION	P=0.293N	P=0.052N	P=0.572N	P=0.204N
COCH-ARM / FISHERS	P=0.240N	P=0.056N	P=0.607N	P=0.162N
ORDER RESTRICTED	P=0.114N	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.126N	(e)	(e)	(e)

TDMS No. 88105-04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P8: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 ISOEUGENOL
 CAS Number: 97-54-1
 Pathologist: Blackshear, P. - GRUMBEIN, S.

Date Report Reqsted: 10/04/2006
 Time Report Reqsted: 13:47:31
 First Dose M/F: 05/09/02 / 05/08/02
 Lab: BNW

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females			
	0 MG/KG	75 MG/KG	150 MG/KG	300 MG/KG

Skin
 Fibroma, Fibrosarcoma, Sarcoma, Myxoma, Myxosarcoma, or Fibrous Histiocytoma

TUMOR RATES	#	#	#	#
OVERALL (a)	3/49 (6%)	0/50 (0%)	1/50 (2%)	0/50 (0%)
POLY-3 RATE (b)	3/43.7	0/46.47	1/47.03	0/40.48
POLY-3 PERCENT (g)	6.9%	0%	2.1%	0%
TERMINAL (d)	0/34 (0%)	0/39 (0%)	0/38 (0%)	0/33 (0%)
FIRST INCIDENCE	342	---	587	---

STATISTICAL TESTS

LIFE TABLE	P=0.093N	P=0.109N	P=0.278N	P=0.133N
POLY 3	P=0.089N	P=0.108N	P=0.280N	P=0.133N
POLY 1.5	P=0.087N	P=0.109N	P=0.285N	P=0.125N
POLY 6	P=0.090N	P=0.108N	P=0.275N	P=0.143N
LOGISTIC REGRESSION	P=0.083N	P=0.196N	P=0.418N	P=0.109N
COCH-ARM / FISHERS	P=0.084N	P=0.117N	P=0.301N	P=0.117N
ORDER RESTRICTED	P=0.025N*	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.035N*	(e)	(e)	(e)

TDMS No. 88105-04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P8: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 ISOEUGENOL
 CAS Number: 97-54-1
 Pathologist: Blackshear, P. - GRUMBEIN, S.

Date Report Reqsted: 10/04/2006
 Time Report Reqsted: 13:47:31
 First Dose M/F: 05/09/02 / 05/08/02
 Lab: BNW

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females			
	0 MG/KG	75 MG/KG	150 MG/KG	300 MG/KG

**Skin
 Fibrosarcoma, Sarcoma, Myxosarcoma, or Fibrous Histiocytoma**

TUMOR RATES	#	#	#	#
OVERALL (a)	3/49 (6%)	0/50 (0%)	1/50 (2%)	0/50 (0%)
POLY-3 RATE (b)	3/43.7	0/46.47	1/47.03	0/40.48
POLY-3 PERCENT (g)	6.9%	0%	2.1%	0%
TERMINAL (d)	0/34 (0%)	0/39 (0%)	0/38 (0%)	0/33 (0%)
FIRST INCIDENCE	342	---	587	---

STATISTICAL TESTS

LIFE TABLE	P=0.093N	P=0.109N	P=0.278N	P=0.133N
POLY 3	P=0.089N	P=0.108N	P=0.280N	P=0.133N
POLY 1.5	P=0.087N	P=0.109N	P=0.285N	P=0.125N
POLY 6	P=0.090N	P=0.108N	P=0.275N	P=0.143N
LOGISTIC REGRESSION	P=0.083N	P=0.196N	P=0.418N	P=0.109N
COCH-ARM / FISHERS	P=0.084N	P=0.117N	P=0.301N	P=0.117N
ORDER RESTRICTED	P=0.025N*	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.035N*	(e)	(e)	(e)

TDMS No. 88105-04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P8: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 ISOEUGENOL
 CAS Number: 97-54-1
 Pathologist: Blackshear, P. - GRUMBEIN, S.

Date Report Reqsted: 10/04/2006
 Time Report Reqsted: 13:47:31
 First Dose M/F: 05/09/02 / 05/08/02
 Lab: BNW

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females			
	0 MG/KG	75 MG/KG	150 MG/KG	300 MG/KG
Skin				
Sarcoma				
TUMOR RATES				
	#	#	#	#
OVERALL (a)	3/49 (6%)	0/50 (0%)	1/50 (2%)	0/50 (0%)
POLY-3 RATE (b)	3/43.7	0/46.47	1/47.03	0/40.48
POLY-3 PERCENT (g)	6.9%	0%	2.1%	0%
TERMINAL (d)	0/34 (0%)	0/39 (0%)	0/38 (0%)	0/33 (0%)
FIRST INCIDENCE	342	---	587	---
STATISTICAL TESTS				
LIFE TABLE	P=0.093N	P=0.109N	P=0.278N	P=0.133N
POLY 3	P=0.089N	P=0.108N	P=0.280N	P=0.133N
POLY 1.5	P=0.087N	P=0.109N	P=0.285N	P=0.125N
POLY 6	P=0.090N	P=0.108N	P=0.275N	P=0.143N
LOGISTIC REGRESSION	P=0.083N	P=0.196N	P=0.418N	P=0.109N
COCH-ARM / FISHERS	P=0.084N	P=0.117N	P=0.301N	P=0.117N
ORDER RESTRICTED	P=0.025N*	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.035N*	(e)	(e)	(e)

TDMS No. 88105-04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P8: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 ISOEUGENOL
 CAS Number: 97-54-1
 Pathologist: Blackshear, P. - GRUMBEIN, S.

Date Report Reqsted: 10/04/2006
 Time Report Reqsted: 13:47:31
 First Dose M/F: 05/09/02 / 05/08/02
 Lab: BNW

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females			
	0 MG/KG	75 MG/KG	150 MG/KG	300 MG/KG

**Stomach, Forestomach
 Squamous Cell Papilloma**

TUMOR RATES	#	#	#	#
OVERALL (a)	1/49 (2%)	1/50 (2%)	5/50 (10%)	3/50 (6%)
POLY-3 RATE (b)	1/42.59	1/46.47	5/46.69	3/40.48
POLY-3 PERCENT (g)	2.4%	2.2%	10.7%	7.4%
TERMINAL (d)	1/34 (3%)	1/39 (3%)	3/38 (8%)	3/33 (9%)
FIRST INCIDENCE	727 (T)	727 (T)	693	727 (T)

STATISTICAL TESTS

LIFE TABLE	P=0.136	P=0.731N	P=0.137	P=0.294
POLY 3	P=0.126	P=0.741N	P=0.124	P=0.287
POLY 1.5	P=0.142	P=0.745N	P=0.119	P=0.299
POLY 6	P=0.111	P=0.739N	P=0.129	P=0.272
LOGISTIC REGRESSION	P=0.118	P=0.731N	P=0.129	P=0.294
COCH-ARM / FISHERS	P=0.166	P=0.747N	P=0.107	P=0.316
ORDER RESTRICTED	P=0.143	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.156	(e)	(e)	(e)

TDMS No. 88105-04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P8: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 ISOEUGENOL
 CAS Number: 97-54-1
 Pathologist: Blackshear, P. - GRUMBEIN, S.

Date Report Reqsted: 10/04/2006
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**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females			
	0 MG/KG	75 MG/KG	150 MG/KG	300 MG/KG
Uterus				
Polyp Stromal				
TUMOR RATES	#	#	#	#
OVERALL (a)	0/49 (0%)	0/50 (0%)	2/50 (4%)	1/50 (2%)
POLY-3 RATE (b)	0/42.59	0/46.47	2/47.47	1/40.48
POLY-3 PERCENT (g)	0%	0%	4.2%	2.5%
TERMINAL (d)	0/34 (0%)	0/39 (0%)	1/38 (3%)	1/33 (3%)
FIRST INCIDENCE	---	---	313	727 (T)
STATISTICAL TESTS				
LIFE TABLE	P=0.235	(e)	P=0.259	P=0.494
POLY 3	P=0.210	(e)	P=0.262	P=0.490
POLY 1.5	P=0.226	(e)	P=0.256	P=0.497
POLY 6	P=0.193	(e)	P=0.266	P=0.482
LOGISTIC REGRESSION	P=0.287	(e)	P=0.116	P=0.494
COCH-ARM / FISHERS	P=0.249	(e)	P=0.253	P=0.505
ORDER RESTRICTED	P=0.190	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.206	(e)	(e)	(e)

TDMS No. 88105-04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P8: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 ISOEUGENOL
 CAS Number: 97-54-1
 Pathologist: Blackshear, P. - GRUMBEIN, S.

Date Report Reqsted: 10/04/2006
 Time Report Reqsted: 13:47:31
 First Dose M/F: 05/09/02 / 05/08/02
 Lab: BNW

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females			
	0 MG/KG	75 MG/KG	150 MG/KG	300 MG/KG

**Uterus
 Sarcoma Stromal or Polyp Stromal**

TUMOR RATES	#	#	#	#
OVERALL (a)	1/49 (2%)	0/50 (0%)	2/50 (4%)	1/50 (2%)
POLY-3 RATE (b)	1/42.59	0/46.47	2/47.47	1/40.48
POLY-3 PERCENT (g)	2.4%	0%	4.2%	2.5%
TERMINAL (d)	1/34 (3%)	0/39 (0%)	1/38 (3%)	1/33 (3%)
FIRST INCIDENCE	727 (T)	---	313	727 (T)

STATISTICAL TESTS

LIFE TABLE	P=0.488	P=0.473N	P=0.533	P=0.755
POLY 3	P=0.457	P=0.483N	P=0.538	P=0.749
POLY 1.5	P=0.477	P=0.486N	P=0.529	P=0.757
POLY 6	P=0.437	P=0.481N	P=0.544	P=0.740
LOGISTIC REGRESSION	P=0.535	(e)	P=0.392	P=0.755
COCH-ARM / FISHERS	P=0.505	P=0.495N	P=0.508	P=0.747N
ORDER RESTRICTED	P=0.396	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.409	(e)	(e)	(e)

TDMS No. 88105-04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P8: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 ISOEUGENOL
 CAS Number: 97-54-1
 Pathologist: Blackshear, P. - GRUMBEIN, S.

Date Report Reqsted: 10/04/2006
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 First Dose M/F: 05/09/02 / 05/08/02
 Lab: BNW

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females			
	0 MG/KG	75 MG/KG	150 MG/KG	300 MG/KG

**All Organs
 Hemangiosarcoma**

TUMOR RATES

	#	#	#	#
OVERALL (a)	1/49 (2%)	2/50 (4%)	1/50 (2%)	1/50 (2%)
POLY-3 RATE (b)	1/42.98	2/46.47	1/46.55	1/40.59
POLY-3 PERCENT (g)	2.3%	4.3%	2.2%	2.5%
TERMINAL (d)	0/34 (0%)	2/39 (5%)	1/38 (3%)	0/33 (0%)
FIRST INCIDENCE	616	727 (T)	727 (T)	698

STATISTICAL TESTS

LIFE TABLE	P=0.566N	P=0.537	P=0.738N	P=0.725
POLY 3	P=0.544N	P=0.527	P=0.743N	P=0.748
POLY 1.5	P=0.535N	P=0.523	P=0.746N	P=0.756
POLY 6	P=0.553N	P=0.528	P=0.741N	P=0.738
LOGISTIC REGRESSION	P=0.538N	P=0.503	P=0.757	P=0.755N
COCH-ARM / FISHERS	P=0.525N	P=0.508	P=0.747N	P=0.747N
ORDER RESTRICTED	P=0.606N	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.613N	(e)	(e)	(e)

TDMS No. 88105-04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P8: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 ISOEUGENOL
 CAS Number: 97-54-1
 Pathologist: Blackshear, P. - GRUMBEIN, S.

Date Report Reqsted: 10/04/2006
 Time Report Reqsted: 13:47:31
 First Dose M/F: 05/09/02 / 05/08/02
 Lab: BNW

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females			
	0 MG/KG	75 MG/KG	150 MG/KG	300 MG/KG

**All Organs
 Histiocytic Sarcoma**

TUMOR RATES	#	#	#	#
OVERALL (a)	0/49 (0%)	1/50 (2%)	1/50 (2%)	4/50 (8%)
POLY-3 RATE (b)	0/42.59	1/46.89	1/46.94	4/41.36
POLY-3 PERCENT (g)	0%	2.1%	2.1%	9.7%
TERMINAL (d)	0/34 (0%)	0/39 (0%)	0/38 (0%)	2/33 (6%)
FIRST INCIDENCE	---	605	616	538

STATISTICAL TESTS

LIFE TABLE	P=0.012*	P=0.522	P=0.518	P=0.061
POLY 3	P=0.015*	P=0.519	P=0.519	P=0.056
POLY 1.5	P=0.016*	P=0.515	P=0.515	P=0.059
POLY 6	P=0.014*	P=0.522	P=0.524	P=0.053
LOGISTIC REGRESSION	P=0.026*	P=0.415	P=0.456	P=0.067
COCH-ARM / FISHERS	P=0.018*	P=0.505	P=0.505	P=0.061
ORDER RESTRICTED	P=0.011*	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.013*	(e)	(e)	(e)

TDMS No. 88105-04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P8: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 ISOEUGENOL
 CAS Number: 97-54-1
 Pathologist: Blackshear, P. - GRUMBEIN, S.

Date Report Requested: 10/04/2006
 Time Report Requested: 13:47:31
 First Dose M/F: 05/09/02 / 05/08/02
 Lab: BNW

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females			
	0 MG/KG	75 MG/KG	150 MG/KG	300 MG/KG

All Organs
Malignant Lymphoma: Histiocytic, Lymphocytic, Mixed, NOS, or Undifferentiated Cell Type

TUMOR RATES	#	#	#	#
OVERALL (a)	11/49 (22%)	10/50 (20%)	8/50 (16%)	7/50 (14%)
POLY-3 RATE (b)	11/44.02	10/47.62	8/46.55	7/40.9
POLY-3 PERCENT (g)	25%	21%	17.2%	17.1%
TERMINAL (d)	7/34 (21%)	7/39 (18%)	8/38 (21%)	6/33 (18%)
FIRST INCIDENCE	569	518	727 (T)	605

STATISTICAL TESTS

LIFE TABLE	P=0.212N	P=0.384N	P=0.225N	P=0.275N
POLY 3	P=0.211N	P=0.419N	P=0.257N	P=0.267N
POLY 1.5	P=0.184N	P=0.431N	P=0.262N	P=0.235N
POLY 6	P=0.244N	P=0.419N	P=0.261N	P=0.311N
LOGISTIC REGRESSION	P=0.174N	P=0.489N	P=0.253N	P=0.236N
COCH-ARM / FISHERS	P=0.150N	P=0.479N	P=0.288N	P=0.204N
ORDER RESTRICTED	P=0.300N	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.321N	(e)	(e)	(e)

TDMS No. 88105-04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P8: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 ISOEUGENOL
 CAS Number: 97-54-1
 Pathologist: Blackshear, P. - GRUMBEIN, S.

Date Report Reqsted: 10/04/2006
 Time Report Reqsted: 13:47:31
 First Dose M/F: 05/09/02 / 05/08/02
 Lab: BNW

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females			
	0 MG/KG	75 MG/KG	150 MG/KG	300 MG/KG

**All Organs
 Benign Tumors**

TUMOR RATES

	#	#	#	#
OVERALL (a)	20/49 (41%)	18/50 (36%)	22/50 (44%)	13/50 (26%)
POLY-3 RATE (b)	20/42.86	18/48.53	22/47.61	13/41.58
POLY-3 PERCENT (g)	46.7%	37.1%	46.2%	31.3%
TERMINAL (d)	17/34 (50%)	12/39 (31%)	19/38 (50%)	10/33 (30%)
FIRST INCIDENCE	699	577	313	553

STATISTICAL TESTS

LIFE TABLE	P=0.168N	P=0.253N	P=0.553N	P=0.131N
POLY 3	P=0.150N	P=0.237N	P=0.567N	P=0.105N
POLY 1.5	P=0.121N	P=0.282N	P=0.560	P=0.093N
POLY 6	P=0.188N	P=0.199N	P=0.542N	P=0.123N
LOGISTIC REGRESSION	P=0.138N	P=0.300N	P=0.575	P=0.157N
COCH-ARM / FISHERS	P=0.091N	P=0.387N	P=0.453	P=0.088N
ORDER RESTRICTED	P=0.122N	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.132N	(e)	(e)	(e)

TDMS No. 88105-04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P8: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 ISOEUGENOL
 CAS Number: 97-54-1
 Pathologist: Blackshear, P. - GRUMBEIN, S.

Date Report Reqsted: 10/04/2006
 Time Report Reqsted: 13:47:31
 First Dose M/F: 05/09/02 / 05/08/02
 Lab: BNW

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females			
	0 MG/KG	75 MG/KG	150 MG/KG	300 MG/KG

**All Organs
 Malignant Tumors**

TUMOR RATES

	#	#	#	#
OVERALL (a)	21/49 (43%)	27/50 (54%)	25/50 (50%)	20/50 (40%)
POLY-3 RATE (b)	21/46.95	27/49.24	25/48.86	20/41.9
POLY-3 PERCENT (g)	44.7%	54.8%	51.2%	47.7%
TERMINAL (d)	10/34 (29%)	19/39 (49%)	16/38 (42%)	16/33 (49%)
FIRST INCIDENCE	342	518	577	538

STATISTICAL TESTS

LIFE TABLE	P=0.491N	P=0.361	P=0.465	P=0.551
POLY 3	P=0.505	P=0.216	P=0.336	P=0.472
POLY 1.5	P=0.455N	P=0.213	P=0.330	P=0.570
POLY 6	P=0.384	P=0.208	P=0.336	P=0.361
LOGISTIC REGRESSION	P=0.310N	P=0.123	P=0.252	P=0.493N
COCH-ARM / FISHERS	P=0.296N	P=0.182	P=0.305	P=0.466N
ORDER RESTRICTED	P=0.426	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.449	(e)	(e)	(e)

TDMS No. 88105-04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P8: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 ISOEUGENOL
 CAS Number: 97-54-1
 Pathologist: Blackshear, P. - GRUMBEIN, S.

Date Report Requested: 10/04/2006
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 First Dose M/F: 05/09/02 / 05/08/02
 Lab: BNW

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females			
	0 MG/KG	75 MG/KG	150 MG/KG	300 MG/KG

**All Organs
 Malignant and Benign Tumors**

TUMOR RATES

	#	#	#	#
OVERALL (a)	34/49 (69%)	33/50 (66%)	37/50 (74%)	26/50 (52%)
POLY-3 RATE (b)	34/47.06	33/49.65	37/49.91	26/42.46
POLY-3 PERCENT (g)	72.3%	66.5%	74.1%	61.2%
TERMINAL (d)	22/34 (65%)	24/39 (62%)	26/38 (68%)	21/33 (64%)
FIRST INCIDENCE	342	518	313	538

STATISTICAL TESTS

LIFE TABLE	P=0.209N	P=0.253N	P=0.509N	P=0.171N
POLY 3	P=0.218N	P=0.347N	P=0.508	P=0.183N
POLY 1.5	P=0.124N	P=0.362N	P=0.483	P=0.109N
POLY 6	P=0.356N	P=0.351N	P=0.516	P=0.307N
LOGISTIC REGRESSION	P=0.062N	P=0.460N	P=0.377	P=0.079N
COCH-ARM / FISHERS	P=0.047N*	P=0.442N	P=0.387	P=0.059N
ORDER RESTRICTED	P=0.211N	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.237N	(e)	(e)	(e)

TDMS No. 88105-04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: MICE/B6C3F1

P8: STATISTICAL ANALYSIS OF PRIMARY TUMORS
ISOEUGENOL
CAS Number: 97-54-1
Pathologist: Blackshear, P. - GRUMBEIN, S.

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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 ***