

TDMS No. 20005 - 06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: MICE/B6C3F1

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Ginseng
CAS Number: 50647-08-0

Date Report Requested: 08/27/2008
Time Report Requested: 15:02:16
First Dose M/F: 02/10/04 / 02/09/04
Lab: BAT

F1_M3

C Number: C20005
Lock Date: 10/10/2006
Cage Range: ALL
Date Range: ALL
Reasons For Removal: ALL
Removal Date Range: ALL
Treatment Groups: Include ALL
Study Gender: Both
TDMSE Version: 2.0.0

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HISTORICAL CONTROL STUDIES From October 2007 Report

SAME ROUTE

88123-07 -- Formamide (GAVAGE WATER)
95011-06 -- 5-(Hydroxymethyl)-2-furfural (GAVAGE WATER)

ALL ROUTES

88138-04 -- Benzophenone (ORAL FEED)
99027-04 -- Chromium picolinate monohydrate (ORAL FEED)
05174-06 -- Cresols (ORAL FEED)
96011-06 -- Cumene (INHALATION AIR)
97003-08 -- 1,2-Dibromo-2,4-dicyanobutane (SKIN ETHANOL)
93020-08 -- Diisopropylcarbodiimide (SKIN ETHANOL)
88004-06 -- Divinylbenzene (INHALATION AIR)
88123-07 -- Formamide (GAVAGE WATER)
95011-06 -- 5-(Hydroxymethyl)-2-furfural (GAVAGE WATER)
88105-04 -- Isoeugenol (GAVAGE CORN OIL)
97006-02 -- Methyl isobutyl ketone (INHALATION AIR)
91005-08 -- Methylene blue trihydrate (GAVAGE METHYLCELLULOSE)
92013-06 -- 4-Methylimidazole (ORAL FEED)
88006-04 -- alpha-Methylstyrene (INHALATION AIR)
99023-04 -- beta-Myrcene (GAVAGE CORN OIL)
97008-06 -- Propargyl alcohol (INHALATION AIR)
20114-06 -- Sodium dichromate dihydrate (VI) (ORAL WATER)
96019-06 -- Water disinfection byproducts (Bromochloroacetic acid) (ORAL WATER)
96017-06 -- Water disinfection byproducts (Dibromoacetic acid) (ORAL WATER)
96015-06 -- Water disinfection byproducts (Dibromoacetonitrile) (ORAL WATER)

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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
Epididymis
Heart
Islets, Pancreatic
Kidney
Liver
Lung
Nose
Ovary
Pituitary Gland
Prostate
Salivary Glands
Spleen
Testes
Thyroid Gland

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

MALE MICE

Organ

Intestine Small: Site Unspecified
Kidney: Renal Tubule
Lung

All Organs

Morphology

Carcinoma or Adenoma
Adenoma
Alveolar/Bronchiolar Adenoma
Alveolar/Bronchiolar Carcinoma or Alveolar/Bronchiolar Adenoma
Malignant Lymphoma: Histiocytic, Lymphocytic, Mixed, NOS, or
Undifferentiated Cell Type
Benign Tumors

FEMALE MICE

Organ

Ovary
Pituitary Gland: Pars Distalis or Unspecified Site
Skin

All Organs

Morphology

Cystadenoma
Adenoma
Fibrous Histiocytoma
Sarcoma
Hemangiosarcoma
Hemangiosarcoma or Hemangioma
Malignant Tumors

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**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/KG	1250 MG/KG	2500 MG/KG	5000 MG/KG

**Adrenal Cortex
 Adenoma**

TUMOR RATES

OVERALL (a)	1/50 (2%)	2/50 (4%)	4/50 (8%)	2/50 (4%)
POLY-3 RATE (b)	1/43.85	2/44.2	4/46.18	2/42.27
POLY-3 PERCENT (g)	2.3%	4.5%	8.7%	4.7%
TERMINAL (d)	1/32 (3%)	2/32 (6%)	4/38 (11%)	2/32 (6%)
FIRST INCIDENCE	730 (T)	730 (T)	730 (T)	730 (T)
HC TUMORS SAME RTE	7/99 (7%)			
HC TUMORS ALL RTES	64/943 (7%)			

STATISTICAL TESTS

POLY 3	P=0.362	P=0.503	P=0.195	P=0.487
POLY 1.5	P=0.366	P=0.501	P=0.189	P=0.489
POLY 6	P=0.361	P=0.504	P=0.203	P=0.487
COCH-ARM / FISHERS	P=0.387	P=0.500	P=0.181	P=0.500
MAX-ISO-POLY-3	P=0.289	P=0.283	P=0.099	P=0.273
HISTCONT SAME RTE	P=0.381	P=0.395	P=0.138	P=0.381
HISTCONT ALL RTES	P=0.337	P=0.355	P=0.114	P=0.341

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**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/KG	1250 MG/KG	2500 MG/KG	5000 MG/KG
Bone				
Osteosarcoma				
TUMOR RATES	#	#	#	#
OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/43.85	0/44.2	0/46.18	0/42.27
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/32 (0%)	0/32 (0%)	0/38 (0%)	0/32 (0%)
FIRST INCIDENCE	---	---	---	---
HC TUMORS SAME RTE	0/100 (0%)			
HC TUMORS ALL RTES	2/949 (0%)			

STATISTICAL TESTS

POLY 3	(e)	(e)	(e)	(e)
POLY 1.5	(e)	(e)	(e)	(e)
POLY 6	(e)	(e)	(e)	(e)
COCH-ARM / FISHERS	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)
HISTCONT SAME RTE	(e)	(e)	(e)	(e)
HISTCONT ALL RTES	(e)	(e)	(e)	(e)

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 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/KG	1250 MG/KG	2500 MG/KG	5000 MG/KG

**Harderian Gland
 Adenoma**

TUMOR RATES

	#	#	#	#
OVERALL (a)	11/50 (22%)	7/50 (14%)	11/50 (22%)	15/50 (30%)
POLY-3 RATE (b)	11/46.02	7/45.7	11/48.25	15/43.99
POLY-3 PERCENT (g)	23.9%	15.3%	22.8%	34.1%
TERMINAL (d)	5/32 (16%)	3/32 (9%)	5/38 (13%)	11/32 (34%)
FIRST INCIDENCE	562	542	486	483
HC TUMORS SAME RTE	17/100 (17%)			
HC TUMORS ALL RTES	123/949 (13%)			

STATISTICAL TESTS

POLY 3	P=0.083	P=0.220N	P=0.546N	P=0.201
POLY 1.5	P=0.087	P=0.219N	P=0.564N	P=0.213
POLY 6	P=0.080	P=0.223N	P=0.525N	P=0.189
COCH-ARM / FISHERS	P=0.102	P=0.218N	P=0.595N	P=0.247
MAX-ISO-POLY-3	P=0.091	P=0.150N	P=0.449N	P=0.146
HISTCONT SAME RTE	P=0.099	P=1.000	P=0.383	P=0.143
HISTCONT ALL RTES	P=0.002**	P=0.551	P=0.139	P=0.020*

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**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/KG	1250 MG/KG	2500 MG/KG	5000 MG/KG

**Harderian Gland
 Carcinoma or Adenoma**

TUMOR RATES

	#	#	#	#
OVERALL (a)	12/50 (24%)	7/50 (14%)	11/50 (22%)	15/50 (30%)
POLY-3 RATE (b)	12/46.15	7/45.7	11/48.25	15/43.99
POLY-3 PERCENT (g)	26%	15.3%	22.8%	34.1%
TERMINAL (d)	5/32 (16%)	3/32 (9%)	5/38 (13%)	11/32 (34%)
FIRST INCIDENCE	562	542	486	483
HC TUMORS SAME RTE	20/100 (20%)			
HC TUMORS ALL RTES	146/949 (15%)			

STATISTICAL TESTS

POLY 3	P=0.120	P=0.156N	P=0.452N	P=0.271
POLY 1.5	P=0.125	P=0.155N	P=0.469N	P=0.285
POLY 6	P=0.115	P=0.161N	P=0.432N	P=0.254
COCH-ARM / FISHERS	P=0.145	P=0.154N	P=0.500N	P=0.326
MAX-ISO-POLY-3	P=0.117	P=0.103N	P=0.361N	P=0.206
HISTCONT SAME RTE	P=0.159	P=1.000	P=0.579	P=0.192
HISTCONT ALL RTES	P=0.016*	P=1.000	P=0.290	P=0.052

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 TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Males			
	0 MG/KG	1250 MG/KG	2500 MG/KG	5000 MG/KG

Intestine Small: Jejunum
 Carcinoma

TUMOR RATES	#	#	#	#
OVERALL (a)	0/50 (0%)	1/50 (2%)	0/50 (0%)	2/50 (4%)
POLY-3 RATE (b)	0/43.85	1/44.2	0/46.18	2/42.52
POLY-3 PERCENT (g)	0%	2.3%	0%	4.7%
TERMINAL (d)	0/32 (0%)	1/32 (3%)	0/38 (0%)	1/32 (3%)
FIRST INCIDENCE	---	730 (T)	---	666
HC TUMORS SAME RTE	0/100 (0%)			
HC TUMORS ALL RTES	8/949 (1%)			

STATISTICAL TESTS

POLY 3	P=0.137	P=0.502	(e)	P=0.230
POLY 1.5	P=0.137	P=0.501	(e)	P=0.231
POLY 6	P=0.138	P=0.502	(e)	P=0.231
COCH-ARM / FISHERS	P=0.140	P=0.500	(e)	P=0.247
MAX-ISO-POLY-3	P=0.077	P=0.161	(e)	P=0.076
HISTCONT SAME RTE	P=0.104	P=0.119	(e)	P=0.106
HISTCONT ALL RTES	P=0.088	P=0.192	(e)	P=0.086

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 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/KG	1250 MG/KG	2500 MG/KG	5000 MG/KG

**Intestine Small: Site Unspecified
 Carcinoma**

TUMOR RATES	#	#	#	#
OVERALL (a)	0/50 (0%)	1/50 (2%)	0/50 (0%)	2/50 (4%)
POLY-3 RATE (b)	0/43.85	1/44.2	0/46.18	2/42.52
POLY-3 PERCENT (g)	0%	2.3%	0%	4.7%
TERMINAL (d)	0/32 (0%)	1/32 (3%)	0/38 (0%)	1/32 (3%)
FIRST INCIDENCE	---	730 (T)	---	666
HC TUMORS SAME RTE	2/100 (2%)			
HC TUMORS ALL RTES	12/949 (1%)			

STATISTICAL TESTS

POLY 3	P=0.137	P=0.502	(e)	P=0.230
POLY 1.5	P=0.137	P=0.501	(e)	P=0.231
POLY 6	P=0.138	P=0.502	(e)	P=0.231
COCH-ARM / FISHERS	P=0.140	P=0.500	(e)	P=0.247
MAX-ISO-POLY-3	P=0.077	P=0.161	(e)	P=0.076
HISTCONT SAME RTE	P=0.104	P=0.226	(e)	P=0.106
HISTCONT ALL RTES	P=0.088	P=0.192	(e)	P=0.086

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 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/KG	1250 MG/KG	2500 MG/KG	5000 MG/KG

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

TUMOR RATES	#	#	#	#
OVERALL (a)	0/50 (0%)	2/50 (4%)	1/50 (2%)	3/50 (6%)
POLY-3 RATE (b)	0/43.85	2/44.2	1/46.18	3/42.91
POLY-3 PERCENT (g)	0%	4.5%	2.2%	7%
TERMINAL (d)	0/32 (0%)	2/32 (6%)	1/38 (3%)	1/32 (3%)
FIRST INCIDENCE	---	730 (T)	730 (T)	617
HC TUMORS SAME RTE	2/100 (2%)			
HC TUMORS ALL RTES	20/949 (2%)			

STATISTICAL TESTS

POLY 3	P=0.100	P=0.239	P=0.510	P=0.115
POLY 1.5	P=0.100	P=0.238	P=0.506	P=0.115
POLY 6	P=0.103	P=0.239	P=0.516	P=0.116
COCH-ARM / FISHERS	P=0.104	P=0.247	P=0.500	P=0.121
MAX-ISO-POLY-3	P=0.060	P=0.077	P=0.172	P=0.038*
HISTCONT SAME RTE	P=0.081	P=0.108	P=0.241	P=0.051
HISTCONT ALL RTES	P=0.068	P=0.089	P=0.206	P=0.040*

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 TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Males			
	0 MG/KG	1250 MG/KG	2500 MG/KG	5000 MG/KG

Islets, Pancreatic
 Carcinoma or Adenoma

TUMOR RATES

OVERALL (a)	2/50 (4%)	1/50 (2%)	1/50 (2%)	1/50 (2%)
POLY-3 RATE (b)	2/44.12	1/44.26	1/46.76	1/42.27
POLY-3 PERCENT (g)	4.5%	2.3%	2.1%	2.4%
TERMINAL (d)	0/32 (0%)	0/32 (0%)	0/38 (0%)	1/32 (3%)
FIRST INCIDENCE	695	715	549	730 (T)
HC TUMORS SAME RTE	0/100 (0%)			
HC TUMORS ALL RTES	11/940 (1%)			

STATISTICAL TESTS

POLY 3	P=0.415N	P=0.499N	P=0.480N	P=0.515N
POLY 1.5	P=0.414N	P=0.500N	P=0.488N	P=0.512N
POLY 6	P=0.413N	P=0.499N	P=0.471N	P=0.517N
COCH-ARM / FISHERS	P=0.409N	P=0.500N	P=0.500N	P=0.500N
MAX-ISO-POLY-3	P=0.433N	P=0.280N	P=0.269N	P=0.297N
HISTCONT SAME RTE	(h)	(h)	(h)	(h)
HISTCONT ALL RTES	(h)	(h)	(h)	(h)

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DOSE	Males			
	0 MG/KG	1250 MG/KG	2500 MG/KG	5000 MG/KG

**Kidney: Renal Tubule
 Adenoma**

TUMOR RATES

OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	2/50 (4%)
POLY-3 RATE (b)	0/43.85	0/44.2	0/46.18	2/42.27
POLY-3 PERCENT (g)	0%	0%	0%	4.7%
TERMINAL (d)	0/32 (0%)	0/32 (0%)	0/38 (0%)	2/32 (6%)
FIRST INCIDENCE	---	---	---	730 (T)
HC TUMORS SAME RTE	1/100 (1%)			
HC TUMORS ALL RTES	10/945 (1%)			

STATISTICAL TESTS

POLY 3	P=0.044*	(e)	(e)	P=0.229
POLY 1.5	P=0.044*	(e)	(e)	P=0.230
POLY 6	P=0.044*	(e)	(e)	P=0.229
COCH-ARM / FISHERS	P=0.046*	(e)	(e)	P=0.247
MAX-ISO-POLY-3	P=0.032*	(e)	(e)	P=0.076
HISTCONT SAME RTE	P=0.043*	(e)	(e)	P=0.106
HISTCONT ALL RTES	P=0.036*	(e)	(e)	P=0.086

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 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/KG	1250 MG/KG	2500 MG/KG	5000 MG/KG

**Kidney: Renal Tubule
 Carcinoma or Adenoma**

TUMOR RATES

OVERALL (a)	1/50 (2%)	0/50 (0%)	0/50 (0%)	2/50 (4%)
POLY-3 RATE (b)	1/43.85	0/44.2	0/46.18	2/42.27
POLY-3 PERCENT (g)	2.3%	0%	0%	4.7%
TERMINAL (d)	1/32 (3%)	0/32 (0%)	0/38 (0%)	2/32 (6%)
FIRST INCIDENCE	730 (T)	---	---	730 (T)
HC TUMORS SAME RTE	1/100 (1%)			
HC TUMORS ALL RTES	13/945 (1%)			

STATISTICAL TESTS

POLY 3	P=0.242	P=0.498N	P=0.490N	P=0.487
POLY 1.5	P=0.243	P=0.499N	P=0.494N	P=0.489
POLY 6	P=0.243	P=0.498N	P=0.484N	P=0.487
COCH-ARM / FISHERS	P=0.246	P=0.500N	P=0.500N	P=0.500
MAX-ISO-POLY-3	P=0.130	P=0.158N	P=0.158N	P=0.273
HISTCONT SAME RTE	P=0.147	(e)	(e)	P=0.141
HISTCONT ALL RTES	P=0.149	(e)	(e)	P=0.225

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 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/KG	1250 MG/KG	2500 MG/KG	5000 MG/KG

**Liver
 Hemangiosarcoma**

TUMOR RATES

OVERALL (a)	2/50 (4%)	4/50 (8%)	1/50 (2%)	3/50 (6%)
POLY-3 RATE (b)	2/43.99	4/44.91	1/46.18	3/43.07
POLY-3 PERCENT (g)	4.6%	8.9%	2.2%	7%
TERMINAL (d)	1/32 (3%)	2/32 (6%)	1/38 (3%)	1/32 (3%)
FIRST INCIDENCE	695	542	730 (T)	558
HC TUMORS SAME RTE	2/100 (2%)			
HC TUMORS ALL RTES	27/948 (3%)			

STATISTICAL TESTS

POLY 3	P=0.537	P=0.347	P=0.483N	P=0.490
POLY 1.5	P=0.535	P=0.342	P=0.490N	P=0.490
POLY 6	P=0.542	P=0.351	P=0.475N	P=0.495
COCH-ARM / FISHERS	P=0.544	P=0.339	P=0.500N	P=0.500
MAX-ISO-POLY-3	P=0.504	P=0.210	P=0.271N	P=0.317
HISTCONT SAME RTE	P=0.281	P=0.093	P=1.000	P=0.107
HISTCONT ALL RTES	P=0.290	P=0.115	P=1.000	P=0.238

TDMS No. 20005 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Ginseng
 CAS Number: 50647-08-0

Date Report Requested: 08/27/2008
 Time Report Requested: 15:02:16
 First Dose M/F: 02/10/04 / 02/09/04
 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/KG	1250 MG/KG	2500 MG/KG	5000 MG/KG

**Liver
 Hepatocellular Adenoma**

TUMOR RATES

OVERALL (a)	34/50 (68%)	29/50 (58%)	33/50 (66%)	34/50 (68%)
POLY-3 RATE (b)	34/47.46	29/46.97	33/47.34	34/45.77
POLY-3 PERCENT (g)	71.6%	61.8%	69.7%	74.3%
TERMINAL (d)	26/32 (81%)	20/32 (63%)	28/38 (74%)	23/32 (72%)
FIRST INCIDENCE	339	542	549	429
HC TUMORS SAME RTE	57/100 (57%)			
HC TUMORS ALL RTES	465/948 (49%)			

STATISTICAL TESTS

POLY 3	P=0.297	P=0.205N	P=0.508N	P=0.478
POLY 1.5	P=0.312	P=0.214N	P=0.508N	P=0.488
POLY 6	P=0.303	P=0.184N	P=0.496N	P=0.498
COCH-ARM / FISHERS	P=0.401	P=0.204N	P=0.500N	P=0.585N
MAX-ISO-POLY-3	P=0.343	P=0.148N	P=0.414N	P=0.384
HISTCONT SAME RTE	P=0.160	P=0.592	P=0.329	P=0.237
HISTCONT ALL RTES	P=0.054	P=0.397	P=0.229	P=0.171

TDMS No. 20005 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Ginseng
 CAS Number: 50647-08-0

Date Report Requested: 08/27/2008
 Time Report Requested: 15:02:16
 First Dose M/F: 02/10/04 / 02/09/04
 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/KG	1250 MG/KG	2500 MG/KG	5000 MG/KG

**Liver
 Hepatocellular Carcinoma**

TUMOR RATES

OVERALL (a)	14/50 (28%)	14/50 (28%)	15/50 (30%)	12/50 (24%)
POLY-3 RATE (b)	14/44.62	14/45.56	15/46.69	12/43.38
POLY-3 PERCENT (g)	31.4%	30.7%	32.1%	27.7%
TERMINAL (d)	11/32 (34%)	9/32 (28%)	13/38 (34%)	6/32 (19%)
FIRST INCIDENCE	617	576	632	563
HC TUMORS SAME RTE	26/100 (26%)			
HC TUMORS ALL RTES	260/948 (27%)			

STATISTICAL TESTS

POLY 3	P=0.399N	P=0.564N	P=0.559	P=0.441N
POLY 1.5	P=0.396N	P=0.576N	P=0.536	P=0.439N
POLY 6	P=0.394N	P=0.548N	P=0.587	P=0.434N
COCH-ARM / FISHERS	P=0.364N	P=0.588N	P=0.500	P=0.410N
MAX-ISO-POLY-3	P=0.559N	P=0.473N	P=0.469	P=0.352N
HISTCONT SAME RTE	(h)	(h)	(h)	(h)
HISTCONT ALL RTES	(h)	(h)	(h)	(h)

TDMS No. 20005 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Ginseng
 CAS Number: 50647-08-0

Date Report Requested: 08/27/2008
 Time Report Requested: 15:02:16
 First Dose M/F: 02/10/04 / 02/09/04
 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/KG	1250 MG/KG	2500 MG/KG	5000 MG/KG

**Liver
 Hepatocellular Carcinoma or Hepatoblastoma**

TUMOR RATES

OVERALL (a)	14/50 (28%)	15/50 (30%)	15/50 (30%)	13/50 (26%)
POLY-3 RATE (b)	14/44.62	15/45.56	15/46.69	13/43.38
POLY-3 PERCENT (g)	31.4%	32.9%	32.1%	30%
TERMINAL (d)	11/32 (34%)	10/32 (31%)	13/38 (34%)	7/32 (22%)
FIRST INCIDENCE	617	576	632	563
HC TUMORS SAME RTE	28/100 (28%)			
HC TUMORS ALL RTES	285/948 (30%)			

STATISTICAL TESTS

POLY 3	P=0.464N	P=0.527	P=0.559	P=0.535N
POLY 1.5	P=0.461N	P=0.514	P=0.536	P=0.532N
POLY 6	P=0.459N	P=0.545	P=0.587	P=0.529N
COCH-ARM / FISHERS	P=0.426N	P=0.500	P=0.500	P=0.500N
MAX-ISO-POLY-3	P=0.642N	P=0.436	P=0.469	P=0.442N
HISTCONT SAME RTE	(h)	(h)	(h)	(h)
HISTCONT ALL RTES	(h)	(h)	(h)	(h)

TDMS No. 20005 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Ginseng
 CAS Number: 50647-08-0

Date Report Requested: 08/27/2008
 Time Report Requested: 15:02:16
 First Dose M/F: 02/10/04 / 02/09/04
 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/KG	1250 MG/KG	2500 MG/KG	5000 MG/KG

**Liver
 Hepatocellular Carcinoma or Hepatocellular Adenoma**

TUMOR RATES

OVERALL (a)	39/50 (78%)	38/50 (76%)	38/50 (76%)	39/50 (78%)
POLY-3 RATE (b)	39/47.94	38/48	38/47.85	39/45.97
POLY-3 PERCENT (g)	81.3%	79.2%	79.4%	84.8%
TERMINAL (d)	29/32 (91%)	25/32 (78%)	31/38 (82%)	27/32 (84%)
FIRST INCIDENCE	339	542	549	429
HC TUMORS SAME RTE	72/100 (72%)			
HC TUMORS ALL RTES	611/948 (65%)			

STATISTICAL TESTS

POLY 3	P=0.342	P=0.495N	P=0.508N	P=0.426
POLY 1.5	P=0.378	P=0.518N	P=0.509N	P=0.454
POLY 6	P=0.328	P=0.437N	P=0.489N	P=0.434
COCH-ARM / FISHERS	P=0.523	P=0.500N	P=0.500N	P=0.595N
MAX-ISO-POLY-3	P=0.435	P=0.389N	P=0.400N	P=0.320
HISTCONT SAME RTE	P=0.122	P=0.342	P=0.331	P=0.197
HISTCONT ALL RTES	P=0.069	P=0.289	P=0.284	P=0.193

TDMS No. 20005 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Ginseng
 CAS Number: 50647-08-0

Date Report Requested: 08/27/2008
 Time Report Requested: 15:02:16
 First Dose M/F: 02/10/04 / 02/09/04
 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/KG	1250 MG/KG	2500 MG/KG	5000 MG/KG

Liver
 Hepatocellular Carcinoma, Hepatocellular Adenoma, or Hepatoblastoma

TUMOR RATES

OVERALL (a)	39/50 (78%)	38/50 (76%)	38/50 (76%)	39/50 (78%)
POLY-3 RATE (b)	39/47.94	38/48	38/47.85	39/45.97
POLY-3 PERCENT (g)	81.3%	79.2%	79.4%	84.8%
TERMINAL (d)	29/32 (91%)	25/32 (78%)	31/38 (82%)	27/32 (84%)
FIRST INCIDENCE	339	542	549	429
HC TUMORS SAME RTE	73/100 (73%)			
HC TUMORS ALL RTES	622/948 (66%)			

STATISTICAL TESTS

POLY 3	P=0.342	P=0.495N	P=0.508N	P=0.426
POLY 1.5	P=0.378	P=0.518N	P=0.509N	P=0.454
POLY 6	P=0.328	P=0.437N	P=0.489N	P=0.434
COCH-ARM / FISHERS	P=0.523	P=0.500N	P=0.500N	P=0.595N
MAX-ISO-POLY-3	P=0.435	P=0.389N	P=0.400N	P=0.320
HISTCONT SAME RTE	P=0.108	P=0.343	P=0.331	P=0.183
HISTCONT ALL RTES	P=0.102	P=0.328	P=0.323	P=0.225

TDMS No. 20005 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Ginseng
 CAS Number: 50647-08-0

Date Report Requested: 08/27/2008
 Time Report Requested: 15:02:16
 First Dose M/F: 02/10/04 / 02/09/04
 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/KG	1250 MG/KG	2500 MG/KG	5000 MG/KG

**Lung
 Alveolar/Bronchiolar Adenoma**

TUMOR RATES

OVERALL (a)	9/50 (18%)	3/50 (6%)	6/50 (12%)	16/50 (32%)
POLY-3 RATE (b)	9/43.91	3/44.26	6/46.53	16/44.44
POLY-3 PERCENT (g)	20.5%	6.8%	12.9%	36%
TERMINAL (d)	8/32 (25%)	2/32 (6%)	5/38 (13%)	9/32 (28%)
FIRST INCIDENCE	714	715	632	558
HC TUMORS SAME RTE	20/100 (20%)			
HC TUMORS ALL RTES	180/948 (19%)			

STATISTICAL TESTS

POLY 3	P=0.008**	P=0.056N	P=0.246N	P=0.080
POLY 1.5	P=0.007**	P=0.058N	P=0.263N	P=0.076
POLY 6	P=0.009**	P=0.054N	P=0.224N	P=0.092
COCH-ARM / FISHERS	P=0.009**	P=0.061N	P=0.288N	P=0.083
MAX-ISO-POLY-3	P=0.004**	P=0.029N*	P=0.173N	P=0.051
HISTCONT SAME RTE	P=0.005**	P=1.000	P=1.000	P=0.069
HISTCONT ALL RTES	P=0.004**	P=1.000	P=1.000	P=0.056

TDMS No. 20005 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Ginseng
 CAS Number: 50647-08-0

Date Report Requested: 08/27/2008
 Time Report Requested: 15:02:16
 First Dose M/F: 02/10/04 / 02/09/04
 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/KG	1250 MG/KG	2500 MG/KG	5000 MG/KG

**Lung
 Alveolar/Bronchiolar Carcinoma**

TUMOR RATES

OVERALL (a)	3/50 (6%)	3/50 (6%)	5/50 (10%)	3/50 (6%)
POLY-3 RATE (b)	3/44.68	3/44.71	5/46.25	3/42.67
POLY-3 PERCENT (g)	6.7%	6.7%	10.8%	7%
TERMINAL (d)	1/32 (3%)	1/32 (3%)	4/38 (11%)	2/32 (6%)
FIRST INCIDENCE	562	576	714	617
HC TUMORS SAME RTE	13/100 (13%)			
HC TUMORS ALL RTES	91/948 (10%)			

STATISTICAL TESTS

POLY 3	P=0.505	P=0.662N	P=0.375	P=0.641
POLY 1.5	P=0.512	P=0.662	P=0.369	P=0.646
POLY 6	P=0.502	P=0.663	P=0.384	P=0.639
COCH-ARM / FISHERS	P=0.537	P=0.661N	P=0.357	P=0.661N
MAX-ISO-POLY-3	P=0.555	P=0.499N	P=0.250	P=0.476
HISTCONT SAME RTE	P=0.687	P=1.000	P=0.350	P=0.629
HISTCONT ALL RTES	P=0.654	P=1.000	P=0.310	P=0.603

TDMS No. 20005 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Ginseng
 CAS Number: 50647-08-0

Date Report Requested: 08/27/2008
 Time Report Requested: 15:02:16
 First Dose M/F: 02/10/04 / 02/09/04
 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/KG	1250 MG/KG	2500 MG/KG	5000 MG/KG

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

TUMOR RATES

OVERALL (a)	12/50 (24%)	6/50 (12%)	10/50 (20%)	19/50 (38%)
POLY-3 RATE (b)	12/44.74	6/44.77	10/46.6	19/44.83
POLY-3 PERCENT (g)	26.8%	13.4%	21.5%	42.4%
TERMINAL (d)	9/32 (28%)	3/32 (9%)	8/38 (21%)	11/32 (34%)
FIRST INCIDENCE	562	576	632	558
HC TUMORS SAME RTE	32/100 (32%)			
HC TUMORS ALL RTES	260/948 (27%)			

STATISTICAL TESTS

POLY 3	P=0.014*	P=0.091N	P=0.362N	P=0.089
POLY 1.5	P=0.014*	P=0.093N	P=0.378N	P=0.086
POLY 6	P=0.016*	P=0.089N	P=0.341N	P=0.100
COCH-ARM / FISHERS	P=0.017*	P=0.096N	P=0.405N	P=0.097
MAX-ISO-POLY-3	P=0.011*	P=0.054N	P=0.279N	P=0.058
HISTCONT SAME RTE	P=0.013*	P=1.000	P=1.000	P=0.079
HISTCONT ALL RTES	P=0.011*	P=1.000	P=1.000	P=0.064

TDMS No. 20005 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Ginseng
 CAS Number: 50647-08-0

Date Report Requested: 08/27/2008
 Time Report Requested: 15:02:16
 First Dose M/F: 02/10/04 / 02/09/04
 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/KG	1250 MG/KG	2500 MG/KG	5000 MG/KG

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

TUMOR RATES

OVERALL (a)	1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	1/43.85	0/44.2	0/46.18	0/42.27
POLY-3 PERCENT (g)	2.3%	0%	0%	0%
TERMINAL (d)	1/32 (3%)	0/32 (0%)	0/38 (0%)	0/32 (0%)
FIRST INCIDENCE	730 (T)	---	---	---
HC TUMORS SAME RTE	1/98 (1%)			
HC TUMORS ALL RTES	3/924 (0%)			

STATISTICAL TESTS

POLY 3	P=0.299N	P=0.498N	P=0.490N	P=0.507N
POLY 1.5	P=0.301N	P=0.499N	P=0.494N	P=0.506N
POLY 6	P=0.298N	P=0.498N	P=0.484N	P=0.507N
COCH-ARM / FISHERS	P=0.306N	P=0.500N	P=0.500N	P=0.500N
MAX-ISO-POLY-3	P=0.136N	P=0.158N	P=0.158N	P=0.168N
HISTCONT SAME RTE	(h)	(h)	(h)	(h)
HISTCONT ALL RTES	(h)	(h)	(h)	(h)

TDMS No. 20005 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Ginseng
 CAS Number: 50647-08-0

Date Report Requested: 08/27/2008
 Time Report Requested: 15:02:16
 First Dose M/F: 02/10/04 / 02/09/04
 Lab: BAT

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Males			
	0 MG/KG	1250 MG/KG	2500 MG/KG	5000 MG/KG

Skin
 Basal or Sq. Cell Carcinoma, Carcinoma, Basosq. Tumor (M or B), Basal Cell Adenoma, Adenoma, Papilloma, Sq Papilloma, Keratoacanthoma, Trichoepithelioma

TUMOR RATES	#	#	#	#
OVERALL (a)	0/50 (0%)	0/50 (0%)	2/50 (4%)	0/50 (0%)
POLY-3 RATE (b)	0/43.85	0/44.2	2/46.18	0/42.27
POLY-3 PERCENT (g)	0%	0%	4.3%	0%
TERMINAL (d)	0/32 (0%)	0/32 (0%)	2/38 (5%)	0/32 (0%)
FIRST INCIDENCE	---	---	730 (T)	---
HC TUMORS SAME RTE	0/100 (0%)			
HC TUMORS ALL RTES	2/949 (0%)			

STATISTICAL TESTS

POLY 3	P=0.569	(e)	P=0.249	(e)
POLY 1.5	P=0.574	(e)	P=0.244	(e)
POLY 6	P=0.566	(e)	P=0.255	(e)
COCH-ARM / FISHERS	P=0.595	(e)	P=0.247	(e)
MAX-ISO-POLY-3	P=0.269	(e)	P=0.087	(e)
HISTCONT SAME RTE	P=0.356	(e)	P=0.110	(e)
HISTCONT ALL RTES	P=0.189	(e)	P=0.004**	(e)

TDMS No. 20005 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Ginseng
 CAS Number: 50647-08-0

Date Report Requested: 08/27/2008
 Time Report Requested: 15:02:16
 First Dose M/F: 02/10/04 / 02/09/04
 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/KG	1250 MG/KG	2500 MG/KG	5000 MG/KG

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

TUMOR RATES	#	#	#	#
OVERALL (a)	1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	1/43.85	0/44.2	0/46.18	0/42.27
POLY-3 PERCENT (g)	2.3%	0%	0%	0%
TERMINAL (d)	1/32 (3%)	0/32 (0%)	0/38 (0%)	0/32 (0%)
FIRST INCIDENCE	730 (T)	---	---	---
HC TUMORS SAME RTE	0/100 (0%)			
HC TUMORS ALL RTES	12/949 (1%)			

STATISTICAL TESTS

POLY 3	P=0.299N	P=0.498N	P=0.490N	P=0.507N
POLY 1.5	P=0.301N	P=0.499N	P=0.494N	P=0.506N
POLY 6	P=0.298N	P=0.498N	P=0.484N	P=0.507N
COCH-ARM / FISHERS	P=0.306N	P=0.500N	P=0.500N	P=0.500N
MAX-ISO-POLY-3	P=0.136N	P=0.158N	P=0.158N	P=0.168N
HISTCONT SAME RTE	(h)	(h)	(h)	(h)
HISTCONT ALL RTES	(h)	(h)	(h)	(h)

TDMS No. 20005 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Ginseng
 CAS Number: 50647-08-0

Date Report Requested: 08/27/2008
 Time Report Requested: 15:02:16
 First Dose M/F: 02/10/04 / 02/09/04
 Lab: BAT

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Males			
	0 MG/KG	1250 MG/KG	2500 MG/KG	5000 MG/KG
Skin				
Fibrosarcoma				
TUMOR RATES	#	#	#	#
OVERALL (a)	1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	1/43.85	0/44.2	0/46.18	0/42.27
POLY-3 PERCENT (g)	2.3%	0%	0%	0%
TERMINAL (d)	1/32 (3%)	0/32 (0%)	0/38 (0%)	0/32 (0%)
FIRST INCIDENCE	730 (T)	---	---	---
HC TUMORS SAME RTE	0/100 (0%)			
HC TUMORS ALL RTES	0/949 (0%)			

STATISTICAL TESTS

POLY 3	P=0.299N	P=0.498N	P=0.490N	P=0.507N
POLY 1.5	P=0.301N	P=0.499N	P=0.494N	P=0.506N
POLY 6	P=0.298N	P=0.498N	P=0.484N	P=0.507N
COCH-ARM / FISHERS	P=0.306N	P=0.500N	P=0.500N	P=0.500N
MAX-ISO-POLY-3	P=0.136N	P=0.158N	P=0.158N	P=0.168N
HISTCONT SAME RTE	(h)	(h)	(h)	(h)
HISTCONT ALL RTES	(h)	(h)	(h)	(h)

TDMS No. 20005 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Ginseng
 CAS Number: 50647-08-0

Date Report Requested: 08/27/2008
 Time Report Requested: 15:02:16
 First Dose M/F: 02/10/04 / 02/09/04
 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/KG	1250 MG/KG	2500 MG/KG	5000 MG/KG

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

TUMOR RATES	#	#	#	#
OVERALL (a)	1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	1/43.85	0/44.2	0/46.18	0/42.27
POLY-3 PERCENT (g)	2.3%	0%	0%	0%
TERMINAL (d)	1/32 (3%)	0/32 (0%)	0/38 (0%)	0/32 (0%)
FIRST INCIDENCE	730 (T)	---	---	---
HC TUMORS SAME RTE	0/100 (0%)			
HC TUMORS ALL RTES	9/949 (1%)			

STATISTICAL TESTS

POLY 3	P=0.299N	P=0.498N	P=0.490N	P=0.507N
POLY 1.5	P=0.301N	P=0.499N	P=0.494N	P=0.506N
POLY 6	P=0.298N	P=0.498N	P=0.484N	P=0.507N
COCH-ARM / FISHERS	P=0.306N	P=0.500N	P=0.500N	P=0.500N
MAX-ISO-POLY-3	P=0.136N	P=0.158N	P=0.158N	P=0.168N
HISTCONT SAME RTE	(h)	(h)	(h)	(h)
HISTCONT ALL RTES	(h)	(h)	(h)	(h)

TDMS No. 20005 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 Ginseng
 CAS Number: 50647-08-0

Date Report Requested: 08/27/2008
 Time Report Requested: 15:02:16
 First Dose M/F: 02/10/04 / 02/09/04
 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/KG	1250 MG/KG	2500 MG/KG	5000 MG/KG
Skin				
Fibrous Histiocytoma				
TUMOR RATES	#	#	#	#
OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/43.85	0/44.2	0/46.18	0/42.27
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/32 (0%)	0/32 (0%)	0/38 (0%)	0/32 (0%)
FIRST INCIDENCE	---	---	---	---
HC TUMORS SAME RTE	0/100 (0%)			
HC TUMORS ALL RTES	5/949 (1%)			

STATISTICAL TESTS

POLY 3	(e)	(e)	(e)	(e)
POLY 1.5	(e)	(e)	(e)	(e)
POLY 6	(e)	(e)	(e)	(e)
COCH-ARM / FISHERS	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)
HISTCONT SAME RTE	(e)	(e)	(e)	(e)
HISTCONT ALL RTES	(e)	(e)	(e)	(e)

TDMS No. 20005 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 Ginseng
 CAS Number: 50647-08-0

Date Report Requested: 08/27/2008
 Time Report Requested: 15:02:16
 First Dose M/F: 02/10/04 / 02/09/04
 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/KG	1250 MG/KG	2500 MG/KG	5000 MG/KG
Skin				
Sarcoma				
TUMOR RATES	#	#	#	#
OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/43.85	0/44.2	0/46.18	0/42.27
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/32 (0%)	0/32 (0%)	0/38 (0%)	0/32 (0%)
FIRST INCIDENCE	---	---	---	---
HC TUMORS SAME RTE	0/100 (0%)			
HC TUMORS ALL RTES	4/949 (0%)			

STATISTICAL TESTS

POLY 3	(e)	(e)	(e)	(e)
POLY 1.5	(e)	(e)	(e)	(e)
POLY 6	(e)	(e)	(e)	(e)
COCH-ARM / FISHERS	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)
HISTCONT SAME RTE	(e)	(e)	(e)	(e)
HISTCONT ALL RTES	(e)	(e)	(e)	(e)

TDMS No. 20005 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Ginseng
 CAS Number: 50647-08-0

Date Report Requested: 08/27/2008
 Time Report Requested: 15:02:16
 First Dose M/F: 02/10/04 / 02/09/04
 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/KG	1250 MG/KG	2500 MG/KG	5000 MG/KG
Skin				
Schwannoma Malignant				
TUMOR RATES	#	#	#	#
OVERALL (a)	1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	1/43.99	0/44.2	0/46.18	0/42.27
POLY-3 PERCENT (g)	2.3%	0%	0%	0%
TERMINAL (d)	0/32 (0%)	0/32 (0%)	0/38 (0%)	0/32 (0%)
FIRST INCIDENCE	695	---	---	---
HC TUMORS SAME RTE	0/100 (0%)			
HC TUMORS ALL RTES	1/949 (0%)			

STATISTICAL TESTS

POLY 3	P=0.299N	P=0.499N	P=0.490N	P=0.508N
POLY 1.5	P=0.301N	P=0.500N	P=0.494N	P=0.506N
POLY 6	P=0.297N	P=0.499N	P=0.486N	P=0.509N
COCH-ARM / FISHERS	P=0.306N	P=0.500N	P=0.500N	P=0.500N
MAX-ISO-POLY-3	P=0.137N	P=0.158N	P=0.158N	P=0.168N
HISTCONT SAME RTE	(h)	(h)	(h)	(h)
HISTCONT ALL RTES	(h)	(h)	(h)	(h)

TDMS No. 20005 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Ginseng
 CAS Number: 50647-08-0

Date Report Requested: 08/27/2008
 Time Report Requested: 15:02:16
 First Dose M/F: 02/10/04 / 02/09/04
 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/KG	1250 MG/KG	2500 MG/KG	5000 MG/KG

**Skin
 Squamous Cell Papilloma**

TUMOR RATES	#	#	#	#
OVERALL (a)	0/50 (0%)	0/50 (0%)	2/50 (4%)	0/50 (0%)
POLY-3 RATE (b)	0/43.85	0/44.2	2/46.18	0/42.27
POLY-3 PERCENT (g)	0%	0%	4.3%	0%
TERMINAL (d)	0/32 (0%)	0/32 (0%)	2/38 (5%)	0/32 (0%)
FIRST INCIDENCE	---	---	730 (T)	---
HC TUMORS SAME RTE	0/100 (0%)			
HC TUMORS ALL RTES	1/949 (0%)			

STATISTICAL TESTS

POLY 3	P=0.569	(e)	P=0.249	(e)
POLY 1.5	P=0.574	(e)	P=0.244	(e)
POLY 6	P=0.566	(e)	P=0.255	(e)
COCH-ARM / FISHERS	P=0.595	(e)	P=0.247	(e)
MAX-ISO-POLY-3	P=0.269	(e)	P=0.087	(e)
HISTCONT SAME RTE	P=0.356	(e)	P=0.110	(e)
HISTCONT ALL RTES	P=0.137	(e)	P=0.002**	(e)

TDMS No. 20005 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Ginseng
 CAS Number: 50647-08-0

Date Report Requested: 08/27/2008
 Time Report Requested: 15:02:16
 First Dose M/F: 02/10/04 / 02/09/04
 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/KG	1250 MG/KG	2500 MG/KG	5000 MG/KG
All Organs				
Hemangioma				
TUMOR RATES	#	#	#	#
OVERALL (a)	1/50 (2%)	1/50 (2%)	1/50 (2%)	1/50 (2%)
POLY-3 RATE (b)	1/43.85	1/44.2	1/46.18	1/42.27
POLY-3 PERCENT (g)	2.3%	2.3%	2.2%	2.4%
TERMINAL (d)	1/32 (3%)	1/32 (3%)	1/38 (3%)	1/32 (3%)
FIRST INCIDENCE	730 (T)	730 (T)	730 (T)	730 (T)
HC TUMORS SAME RTE	2/100 (2%)			
HC TUMORS ALL RTES	7/949 (1%)			

STATISTICAL TESTS

POLY 3	P=0.620	P=0.759N	P=0.749N	P=0.753
POLY 1.5	P=0.622	P=0.760N	P=0.753N	P=0.754
POLY 6	P=0.620	P=0.758N	P=0.743N	P=0.753
COCH-ARM / FISHERS	P=0.634	P=0.753N	P=0.753N	P=0.753N
MAX-ISO-POLY-3	P=0.731	P=0.497N	P=0.485N	P=0.489
HISTCONT SAME RTE	P=0.835	P=0.642	P=1.000	P=0.627
HISTCONT ALL RTES	P=0.211	P=0.274	P=0.281	P=0.267

TDMS No. 20005 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Ginseng
 CAS Number: 50647-08-0

Date Report Requested: 08/27/2008
 Time Report Requested: 15:02:16
 First Dose M/F: 02/10/04 / 02/09/04
 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/KG	1250 MG/KG	2500 MG/KG	5000 MG/KG

**All Organs
 Hemangiosarcoma**

TUMOR RATES	#	#	#	#
OVERALL (a)	4/50 (8%)	4/50 (8%)	2/50 (4%)	5/50 (10%)
POLY-3 RATE (b)	4/44.49	4/44.91	2/46.52	5/43.87
POLY-3 PERCENT (g)	9%	8.9%	4.3%	11.4%
TERMINAL (d)	2/32 (6%)	2/32 (6%)	1/38 (3%)	2/32 (6%)
FIRST INCIDENCE	578	542	637	429
HC TUMORS SAME RTE	5/100 (5%)			
HC TUMORS ALL RTES	60/949 (6%)			

STATISTICAL TESTS

POLY 3	P=0.441	P=0.638N	P=0.317N	P=0.491
POLY 1.5	P=0.439	P=0.641N	P=0.325N	P=0.490
POLY 6	P=0.446	P=0.637N	P=0.307N	P=0.496
COCH-ARM / FISHERS	P=0.446	P=0.643N	P=0.339N	P=0.500
MAX-ISO-POLY-3	P=0.404	P=0.494N	P=0.190N	P=0.355
HISTCONT SAME RTE	P=0.165	P=0.212	P=1.000	P=0.129
HISTCONT ALL RTES	P=0.443	P=0.473	P=1.000	P=0.301

TDMS No. 20005 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Ginseng
 CAS Number: 50647-08-0

Date Report Requested: 08/27/2008
 Time Report Requested: 15:02:16
 First Dose M/F: 02/10/04 / 02/09/04
 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/KG	1250 MG/KG	2500 MG/KG	5000 MG/KG

**All Organs
 Hemangiosarcoma or Hemangioma**

TUMOR RATES	#	#	#	#
OVERALL (a)	5/50 (10%)	5/50 (10%)	3/50 (6%)	6/50 (12%)
POLY-3 RATE (b)	5/44.49	5/44.91	3/46.52	6/43.87
POLY-3 PERCENT (g)	11.2%	11.1%	6.5%	13.7%
TERMINAL (d)	3/32 (9%)	3/32 (9%)	2/38 (5%)	3/32 (9%)
FIRST INCIDENCE	578	542	637	429
HC TUMORS SAME RTE	7/100 (7%)			
HC TUMORS ALL RTES	67/949 (7%)			

STATISTICAL TESTS

POLY 3	P=0.446	P=0.625N	P=0.332N	P=0.490
POLY 1.5	P=0.443	P=0.627N	P=0.342N	P=0.488
POLY 6	P=0.451	P=0.623N	P=0.320N	P=0.495
COCH-ARM / FISHERS	P=0.451	P=0.630N	P=0.357N	P=0.500
MAX-ISO-POLY-3	P=0.432	P=0.493N	P=0.216N	P=0.365
HISTCONT SAME RTE	P=0.260	P=0.341	P=1.000	P=0.215
HISTCONT ALL RTES	P=0.263	P=0.351	P=1.000	P=0.200

TDMS No. 20005 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Ginseng
 CAS Number: 50647-08-0

Date Report Requested: 08/27/2008
 Time Report Requested: 15:02:16
 First Dose M/F: 02/10/04 / 02/09/04
 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/KG	1250 MG/KG	2500 MG/KG	5000 MG/KG
All Organs				
Histiocytic Sarcoma				
TUMOR RATES	#	#	#	#
OVERALL (a)	1/50 (2%)	0/50 (0%)	1/50 (2%)	0/50 (0%)
POLY-3 RATE (b)	1/43.85	0/44.2	1/46.38	0/42.27
POLY-3 PERCENT (g)	2.3%	0%	2.2%	0%
TERMINAL (d)	1/32 (3%)	0/32 (0%)	0/38 (0%)	0/32 (0%)
FIRST INCIDENCE	730 (T)	---	679	---
HC TUMORS SAME RTE	0/100 (0%)			
HC TUMORS ALL RTES	5/949 (1%)			

STATISTICAL TESTS

POLY 3	P=0.410N	P=0.498N	P=0.748N	P=0.507N
POLY 1.5	P=0.410N	P=0.499N	P=0.753N	P=0.506N
POLY 6	P=0.410N	P=0.498N	P=0.741N	P=0.507N
COCH-ARM / FISHERS	P=0.405N	P=0.500N	P=0.753N	P=0.500N
MAX-ISO-POLY-3	P=0.270N	P=0.158N	P=0.484N	P=0.168N
HISTCONT SAME RTE	(h)	(h)	(h)	(h)
HISTCONT ALL RTES	(h)	(h)	(h)	(h)

TDMS No. 20005 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Ginseng
 CAS Number: 50647-08-0

Date Report Requested: 08/27/2008
 Time Report Requested: 15:02:16
 First Dose M/F: 02/10/04 / 02/09/04
 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/KG	1250 MG/KG	2500 MG/KG	5000 MG/KG

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

TUMOR RATES	#	#	#	#
OVERALL (a)	4/50 (8%)	1/50 (2%)	2/50 (4%)	0/50 (0%)
POLY-3 RATE (b)	4/44.17	1/44.2	2/46.75	0/42.27
POLY-3 PERCENT (g)	9.1%	2.3%	4.3%	0%
TERMINAL (d)	2/32 (6%)	1/32 (3%)	1/38 (3%)	0/32 (0%)
FIRST INCIDENCE	666	730 (T)	554	---
HC TUMORS SAME RTE	4/100 (4%)			
HC TUMORS ALL RTES	26/949 (3%)			

STATISTICAL TESTS

POLY 3	P=0.054N	P=0.178N	P=0.311N	P=0.066N
POLY 1.5	P=0.054N	P=0.179N	P=0.321N	P=0.065N
POLY 6	P=0.053N	P=0.178N	P=0.300N	P=0.066N
COCH-ARM / FISHERS	P=0.052N	P=0.181N	P=0.339N	P=0.059N
MAX-ISO-POLY-3	P=0.027N*	P=0.083N	P=0.187N	P=0.024N*
HISTCONT SAME RTE	(h)	(h)	(h)	(h)
HISTCONT ALL RTES	(h)	(h)	(h)	(h)

TDMS No. 20005 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 Ginseng
 CAS Number: 50647-08-0

Date Report Requested: 08/27/2008
 Time Report Requested: 15:02:16
 First Dose M/F: 02/10/04 / 02/09/04
 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/KG	1250 MG/KG	2500 MG/KG	5000 MG/KG

**All Organs
 Osteosarcoma**

TUMOR RATES	#	#	#	#
OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/43.85	0/44.2	0/46.18	0/42.27
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/32 (0%)	0/32 (0%)	0/38 (0%)	0/32 (0%)
FIRST INCIDENCE	---	---	---	---
HC TUMORS SAME RTE	0/100 (0%)			
HC TUMORS ALL RTES	2/949 (0%)			

STATISTICAL TESTS

POLY 3	(e)	(e)	(e)	(e)
POLY 1.5	(e)	(e)	(e)	(e)
POLY 6	(e)	(e)	(e)	(e)
COCH-ARM / FISHERS	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)
HISTCONT SAME RTE	(e)	(e)	(e)	(e)
HISTCONT ALL RTES	(e)	(e)	(e)	(e)

TDMS No. 20005 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 Ginseng
 CAS Number: 50647-08-0

Date Report Requested: 08/27/2008
 Time Report Requested: 15:02:16
 First Dose M/F: 02/10/04 / 02/09/04
 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/KG	1250 MG/KG	2500 MG/KG	5000 MG/KG

**All Organs
 Osteosarcoma or Osteoma**

TUMOR RATES	#	#	#	#
OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/43.85	0/44.2	0/46.18	0/42.27
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/32 (0%)	0/32 (0%)	0/38 (0%)	0/32 (0%)
FIRST INCIDENCE	---	---	---	---
HC TUMORS SAME RTE	0/100 (0%)			
HC TUMORS ALL RTES	2/949 (0%)			

STATISTICAL TESTS

POLY 3	(e)	(e)	(e)	(e)
POLY 1.5	(e)	(e)	(e)	(e)
POLY 6	(e)	(e)	(e)	(e)
COCH-ARM / FISHERS	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)
HISTCONT SAME RTE	(e)	(e)	(e)	(e)
HISTCONT ALL RTES	(e)	(e)	(e)	(e)

TDMS No. 20005 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Ginseng
 CAS Number: 50647-08-0

Date Report Requested: 08/27/2008
 Time Report Requested: 15:02:16
 First Dose M/F: 02/10/04 / 02/09/04
 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/KG	1250 MG/KG	2500 MG/KG	5000 MG/KG

**All Organs
 Benign Tumors**

TUMOR RATES

	#	#	#	#
OVERALL (a)	38/50 (76%)	34/50 (68%)	40/50 (80%)	44/50 (88%)
POLY-3 RATE (b)	38/48.6	34/47.2	40/49.09	44/47.99
POLY-3 PERCENT (g)	78.2%	72%	81.5%	91.7%
TERMINAL (d)	26/32 (81%)	24/32 (75%)	31/38 (82%)	29/32 (91%)
FIRST INCIDENCE	339	542	486	429
HC TUMORS SAME RTE	73/100 (73%)			
HC TUMORS ALL RTES	634/949 (67%)			

STATISTICAL TESTS

POLY 3	P=0.019*	P=0.318N	P=0.438	P=0.050*
POLY 1.5	P=0.018*	P=0.301N	P=0.421	P=0.050*
POLY 6	P=0.024*	P=0.327N	P=0.469	P=0.060
COCH-ARM / FISHERS	P=0.032*	P=0.252N	P=0.405	P=0.096
MAX-ISO-POLY-3	P=0.024*	P=0.241N	P=0.339	P=0.027*
HISTCONT SAME RTE	P=0.032*	P=1.000	P=0.457	P=0.035*
HISTCONT ALL RTES	P=0.026*	P=0.581	P=0.293	P=0.028*

TDMS No. 20005 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Ginseng
 CAS Number: 50647-08-0

Date Report Requested: 08/27/2008
 Time Report Requested: 15:02:16
 First Dose M/F: 02/10/04 / 02/09/04
 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/KG	1250 MG/KG	2500 MG/KG	5000 MG/KG
All Organs				
Malignant Tumors				
TUMOR RATES	#	#	#	#
OVERALL (a)	26/50 (52%)	22/50 (44%)	24/50 (48%)	22/50 (44%)
POLY-3 RATE (b)	26/46.26	22/46.62	24/48.15	22/45.37
POLY-3 PERCENT (g)	56.2%	47.2%	49.8%	48.5%
TERMINAL (d)	17/32 (53%)	13/32 (41%)	17/38 (45%)	12/32 (38%)
FIRST INCIDENCE	562	542	554	429
HC TUMORS SAME RTE	54/100 (54%)			
HC TUMORS ALL RTEs	482/949 (51%)			

STATISTICAL TESTS

POLY 3	P=0.322N	P=0.251N	P=0.339N	P=0.296N
POLY 1.5	P=0.325N	P=0.262N	P=0.369N	P=0.299N
POLY 6	P=0.313N	P=0.243N	P=0.304N	P=0.289N
COCH-ARM / FISHERS	P=0.299N	P=0.274N	P=0.421N	P=0.274N
MAX-ISO-POLY-3	P=0.376N	P=0.190N	P=0.271N	P=0.230N
HISTCONT SAME RTE	(h)	(h)	(h)	(h)
HISTCONT ALL RTEs	(h)	(h)	(h)	(h)

TDMS No. 20005 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Ginseng
 CAS Number: 50647-08-0

Date Report Requested: 08/27/2008
 Time Report Requested: 15:02:16
 First Dose M/F: 02/10/04 / 02/09/04
 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/KG	1250 MG/KG	2500 MG/KG	5000 MG/KG

**All Organs
 Malignant and Benign Tumors**

TUMOR RATES

	#	#	#	#
OVERALL (a)	46/50 (92%)	44/50 (88%)	46/50 (92%)	47/50 (94%)
POLY-3 RATE (b)	46/49.14	44/48.24	46/50	47/48.19
POLY-3 PERCENT (g)	93.6%	91.2%	92%	97.5%
TERMINAL (d)	30/32 (94%)	29/32 (91%)	34/38 (90%)	31/32 (97%)
FIRST INCIDENCE	339	542	486	429
HC TUMORS SAME RTE	90/100 (90%)			
HC TUMORS ALL RTES	812/949 (86%)			

STATISTICAL TESTS

POLY 3	P=0.212	P=0.473N	P=0.532N	P=0.315
POLY 1.5	P=0.198	P=0.454N	P=0.583N	P=0.309
POLY 6	P=0.253	P=0.470N	P=0.461N	P=0.366
COCH-ARM / FISHERS	P=0.319	P=0.370N	P=0.643N	P=0.500
MAX-ISO-POLY-3	P=0.223	P=0.320N	P=0.376N	P=0.159
HISTCONT SAME RTE	P=0.297	P=0.604	P=0.564	P=0.223
HISTCONT ALL RTES	P=0.108	P=0.419	P=0.378	P=0.189

TDMS No. 20005 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 Ginseng
 CAS Number: 50647-08-0

Date Report Requested: 08/27/2008
 Time Report Requested: 15:02:16
 First Dose M/F: 02/10/04 / 02/09/04
 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/KG	1250 MG/KG	2500 MG/KG	5000 MG/KG

**Adrenal Cortex
 Adenoma**

TUMOR RATES

OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/46.91	0/43.48	0/43.18	0/40.8
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/38 (0%)	0/31 (0%)	0/34 (0%)	0/32 (0%)
FIRST INCIDENCE	---	---	---	---
HC TUMORS SAME RTE	0/99 (0%)			
HC TUMORS ALL RTES	3/994 (0%)			

STATISTICAL TESTS

POLY 3	(e)	(e)	(e)	(e)
POLY 1.5	(e)	(e)	(e)	(e)
POLY 6	(e)	(e)	(e)	(e)
COCH-ARM / FISHERS	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)
HISTCONT SAME RTE	(e)	(e)	(e)	(e)
HISTCONT ALL RTES	(e)	(e)	(e)	(e)

TDMS No. 20005 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 Ginseng
 CAS Number: 50647-08-0

Date Report Requested: 08/27/2008
 Time Report Requested: 15:02:16
 First Dose M/F: 02/10/04 / 02/09/04
 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/KG	1250 MG/KG	2500 MG/KG	5000 MG/KG
Bone				
Osteosarcoma				
TUMOR RATES	#	#	#	#
OVERALL (a)	0/50 (0%)	2/50 (4%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/46.91	2/44.91	0/43.18	0/40.8
POLY-3 PERCENT (g)	0%	4.5%	0%	0%
TERMINAL (d)	0/38 (0%)	0/31 (0%)	0/34 (0%)	0/32 (0%)
FIRST INCIDENCE	---	449	---	---
HC TUMORS SAME RTE	0/100 (0%)			
HC TUMORS ALL RTES	3/999 (0%)			

STATISTICAL TESTS

POLY 3	P=0.439N	P=0.228	(e)	(e)
POLY 1.5	P=0.430N	P=0.232	(e)	(e)
POLY 6	P=0.445N	P=0.222	(e)	(e)
COCH-ARM / FISHERS	P=0.405N	P=0.247	(e)	(e)
MAX-ISO-POLY-3	P=0.297N	P=0.076	(e)	(e)
HISTCONT SAME RTE	(h)	(h)	(e)	(e)
HISTCONT ALL RTES	(h)	(h)	(e)	(e)

TDMS No. 20005 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 Ginseng
 CAS Number: 50647-08-0

Date Report Requested: 08/27/2008
 Time Report Requested: 15:02:16
 First Dose M/F: 02/10/04 / 02/09/04
 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/KG	1250 MG/KG	2500 MG/KG	5000 MG/KG
Harderian Gland Adenoma				
TUMOR RATES	#	#	#	#
OVERALL (a)	7/50 (14%)	7/50 (14%)	9/50 (18%)	8/50 (16%)
POLY-3 RATE (b)	7/47.08	7/43.88	9/43.75	8/40.8
POLY-3 PERCENT (g)	14.9%	16%	20.6%	19.6%
TERMINAL (d)	5/38 (13%)	6/31 (19%)	6/34 (18%)	8/32 (25%)
FIRST INCIDENCE	697	618	654	729 (T)
HC TUMORS SAME RTE	11/100 (11%)			
HC TUMORS ALL RTES	102/999 (10%)			

STATISTICAL TESTS

POLY 3	P=0.290	P=0.558	P=0.332	P=0.381
POLY 1.5	P=0.318	P=0.580	P=0.336	P=0.413
POLY 6	P=0.275	P=0.532	P=0.337	P=0.358
COCH-ARM / FISHERS	P=0.409	P=0.613N	P=0.393	P=0.500
MAX-ISO-POLY-3	P=0.443	P=0.444	P=0.247	P=0.293
HISTCONT SAME RTE	P=0.142	P=0.304	P=0.155	P=0.185
HISTCONT ALL RTES	P=0.038*	P=0.319	P=0.126	P=0.175

TDMS No. 20005 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Ginseng
 CAS Number: 50647-08-0

Date Report Requested: 08/27/2008
 Time Report Requested: 15:02:16
 First Dose M/F: 02/10/04 / 02/09/04
 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/KG	1250 MG/KG	2500 MG/KG	5000 MG/KG
Harderian Gland Carcinoma or Adenoma				
TUMOR RATES	#	#	#	#
OVERALL (a)	7/50 (14%)	7/50 (14%)	9/50 (18%)	8/50 (16%)
POLY-3 RATE (b)	7/47.08	7/43.88	9/43.75	8/40.8
POLY-3 PERCENT (g)	14.9%	16%	20.6%	19.6%
TERMINAL (d)	5/38 (13%)	6/31 (19%)	6/34 (18%)	8/32 (25%)
FIRST INCIDENCE	697	618	654	729 (T)
HC TUMORS SAME RTE	15/100 (15%)			
HC TUMORS ALL RTES	128/999 (13%)			

STATISTICAL TESTS

POLY 3	P=0.290	P=0.558	P=0.332	P=0.381
POLY 1.5	P=0.318	P=0.580	P=0.336	P=0.413
POLY 6	P=0.275	P=0.532	P=0.337	P=0.358
COCH-ARM / FISHERS	P=0.409	P=0.613N	P=0.393	P=0.500
MAX-ISO-POLY-3	P=0.443	P=0.444	P=0.247	P=0.293
HISTCONT SAME RTE	P=0.271	P=0.594	P=0.193	P=0.231
HISTCONT ALL RTES	P=0.221	P=0.521	P=0.275	P=0.339

TDMS No. 20005 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 Ginseng
 CAS Number: 50647-08-0

Date Report Requested: 08/27/2008
 Time Report Requested: 15:02:16
 First Dose M/F: 02/10/04 / 02/09/04
 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/KG	1250 MG/KG	2500 MG/KG	5000 MG/KG

**Intestine Small: Jejunum
 Carcinoma**

TUMOR RATES

	#	#	#	#
OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/46.91	0/43.48	0/43.18	0/40.8
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/38 (0%)	0/31 (0%)	0/34 (0%)	0/32 (0%)
FIRST INCIDENCE	---	---	---	---
HC TUMORS SAME RTE	0/100 (0%)			
HC TUMORS ALL RTES	4/999 (0%)			

STATISTICAL TESTS

POLY 3	(e)	(e)	(e)	(e)
POLY 1.5	(e)	(e)	(e)	(e)
POLY 6	(e)	(e)	(e)	(e)
COCH-ARM / FISHERS	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)
HISTCONT SAME RTE	(e)	(e)	(e)	(e)
HISTCONT ALL RTES	(e)	(e)	(e)	(e)

TDMS No. 20005 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 Ginseng
 CAS Number: 50647-08-0

Date Report Requested: 08/27/2008
 Time Report Requested: 15:02:16
 First Dose M/F: 02/10/04 / 02/09/04
 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/KG	1250 MG/KG	2500 MG/KG	5000 MG/KG

**Intestine Small: Site Unspecified
 Carcinoma**

TUMOR RATES	#	#	#	#
OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/46.91	0/43.48	0/43.18	0/40.8
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/38 (0%)	0/31 (0%)	0/34 (0%)	0/32 (0%)
FIRST INCIDENCE	---	---	---	---
HC TUMORS SAME RTE	0/100 (0%)			
HC TUMORS ALL RTES	5/999 (1%)			

STATISTICAL TESTS

POLY 3	(e)	(e)	(e)	(e)
POLY 1.5	(e)	(e)	(e)	(e)
POLY 6	(e)	(e)	(e)	(e)
COCH-ARM / FISHERS	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)
HISTCONT SAME RTE	(e)	(e)	(e)	(e)
HISTCONT ALL RTES	(e)	(e)	(e)	(e)

TDMS No. 20005 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 Ginseng
 CAS Number: 50647-08-0

Date Report Requested: 08/27/2008
 Time Report Requested: 15:02:16
 First Dose M/F: 02/10/04 / 02/09/04
 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/KG	1250 MG/KG	2500 MG/KG	5000 MG/KG

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

TUMOR RATES	#	#	#	#
OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/46.91	0/43.48	0/43.18	0/40.8
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/38 (0%)	0/31 (0%)	0/34 (0%)	0/32 (0%)
FIRST INCIDENCE	---	---	---	---
HC TUMORS SAME RTE	0/100 (0%)			
HC TUMORS ALL RTES	8/999 (1%)			

STATISTICAL TESTS

POLY 3	(e)	(e)	(e)	(e)
POLY 1.5	(e)	(e)	(e)	(e)
POLY 6	(e)	(e)	(e)	(e)
COCH-ARM / FISHERS	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)
HISTCONT SAME RTE	(e)	(e)	(e)	(e)
HISTCONT ALL RTES	(e)	(e)	(e)	(e)

TDMS No. 20005 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Ginseng
 CAS Number: 50647-08-0

Date Report Requested: 08/27/2008
 Time Report Requested: 15:02:16
 First Dose M/F: 02/10/04 / 02/09/04
 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/KG	1250 MG/KG	2500 MG/KG	5000 MG/KG

**Islets, Pancreatic
 Carcinoma or Adenoma**

TUMOR RATES

OVERALL (a)	1/50 (2%)	0/50 (0%)	1/50 (2%)	0/50 (0%)
POLY-3 RATE (b)	1/46.91	0/43.48	1/43.18	0/40.8
POLY-3 PERCENT (g)	2.1%	0%	2.3%	0%
TERMINAL (d)	1/38 (3%)	0/31 (0%)	1/34 (3%)	0/32 (0%)
FIRST INCIDENCE	729 (T)	---	729 (T)	---
HC TUMORS SAME RTE	0/100 (0%)			
HC TUMORS ALL RTES	12/984 (1%)			

STATISTICAL TESTS

POLY 3	P=0.419N	P=0.515N	P=0.742	P=0.528N
POLY 1.5	P=0.417N	P=0.509N	P=0.744	P=0.520N
POLY 6	P=0.418N	P=0.522N	P=0.742	P=0.533N
COCH-ARM / FISHERS	P=0.405N	P=0.500N	P=0.753N	P=0.500N
MAX-ISO-POLY-3	P=0.309N	P=0.177N	P=0.476	P=0.192N
HISTCONT SAME RTE	(h)	(h)	(h)	(h)
HISTCONT ALL RTES	(h)	(h)	(h)	(h)

TDMS No. 20005 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Ginseng
 CAS Number: 50647-08-0

Date Report Requested: 08/27/2008
 Time Report Requested: 15:02:16
 First Dose M/F: 02/10/04 / 02/09/04
 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/KG	1250 MG/KG	2500 MG/KG	5000 MG/KG

**Kidney: Renal Tubule
 Adenoma**

TUMOR RATES

OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/46.91	0/43.48	0/43.18	0/40.8
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/38 (0%)	0/31 (0%)	0/34 (0%)	0/32 (0%)
FIRST INCIDENCE	---	---	---	---
HC TUMORS SAME RTE	0/100 (0%)			
HC TUMORS ALL RTES	0/990 (0%)			

STATISTICAL TESTS

POLY 3	(e)	(e)	(e)	(e)
POLY 1.5	(e)	(e)	(e)	(e)
POLY 6	(e)	(e)	(e)	(e)
COCH-ARM / FISHERS	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)
HISTCONT SAME RTE	(e)	(e)	(e)	(e)
HISTCONT ALL RTES	(e)	(e)	(e)	(e)

TDMS No. 20005 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 Ginseng
 CAS Number: 50647-08-0

Date Report Requested: 08/27/2008
 Time Report Requested: 15:02:16
 First Dose M/F: 02/10/04 / 02/09/04
 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/KG	1250 MG/KG	2500 MG/KG	5000 MG/KG

**Kidney: Renal Tubule
 Carcinoma or Adenoma**

TUMOR RATES

OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/46.91	0/43.48	0/43.18	0/40.8
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/38 (0%)	0/31 (0%)	0/34 (0%)	0/32 (0%)
FIRST INCIDENCE	---	---	---	---
HC TUMORS SAME RTE	0/100 (0%)			
HC TUMORS ALL RTES	0/990 (0%)			

STATISTICAL TESTS

POLY 3	(e)	(e)	(e)	(e)
POLY 1.5	(e)	(e)	(e)	(e)
POLY 6	(e)	(e)	(e)	(e)
COCH-ARM / FISHERS	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)
HISTCONT SAME RTE	(e)	(e)	(e)	(e)
HISTCONT ALL RTES	(e)	(e)	(e)	(e)

TDMS No. 20005 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Ginseng
 CAS Number: 50647-08-0

Date Report Requested: 08/27/2008
 Time Report Requested: 15:02:16
 First Dose M/F: 02/10/04 / 02/09/04
 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/KG	1250 MG/KG	2500 MG/KG	5000 MG/KG

**Liver
 Hemangiosarcoma**

TUMOR RATES

OVERALL (a)	0/50 (0%)	1/50 (2%)	2/50 (4%)	0/50 (0%)
POLY-3 RATE (b)	0/46.91	1/43.48	2/43.18	0/40.8
POLY-3 PERCENT (g)	0%	2.3%	4.6%	0%
TERMINAL (d)	0/38 (0%)	1/31 (3%)	2/34 (6%)	0/32 (0%)
FIRST INCIDENCE	---	729 (T)	729 (T)	---
HC TUMORS SAME RTE	0/100 (0%)			
HC TUMORS ALL RTES	8/996 (1%)			

STATISTICAL TESTS

POLY 3	P=0.620	P=0.485	P=0.219	(e)
POLY 1.5	P=0.639	P=0.491	P=0.221	(e)
POLY 6	P=0.607	P=0.478	P=0.219	(e)
COCH-ARM / FISHERS	P=0.616N	P=0.500	P=0.247	(e)
MAX-ISO-POLY-3	P=0.343	P=0.158	P=0.076	(e)
HISTCONT SAME RTE	P=0.441	P=0.121	P=0.106	(e)
HISTCONT ALL RTES	P=0.400	P=0.189	P=0.048*	(e)

TDMS No. 20005 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Ginseng
 CAS Number: 50647-08-0

Date Report Requested: 08/27/2008
 Time Report Requested: 15:02:16
 First Dose M/F: 02/10/04 / 02/09/04
 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/KG	1250 MG/KG	2500 MG/KG	5000 MG/KG

**Liver
 Hepatocellular Adenoma**

TUMOR RATES

OVERALL (a)	21/50 (42%)	20/50 (40%)	17/50 (34%)	15/50 (30%)
POLY-3 RATE (b)	21/47.66	20/43.9	17/43.23	15/41.75
POLY-3 PERCENT (g)	44.1%	45.6%	39.3%	35.9%
TERMINAL (d)	18/38 (47%)	17/31 (55%)	16/34 (47%)	12/32 (38%)
FIRST INCIDENCE	578	648	715	555
HC TUMORS SAME RTE	20/100 (20%)			
HC TUMORS ALL RTES	270/996 (27%)			

STATISTICAL TESTS

POLY 3	P=0.204N	P=0.527	P=0.403N	P=0.285N
POLY 1.5	P=0.178N	P=0.581	P=0.380N	P=0.245N
POLY 6	P=0.214N	P=0.460	P=0.417N	P=0.310N
COCH-ARM / FISHERS	P=0.103N	P=0.500N	P=0.268N	P=0.149N
MAX-ISO-POLY-3	P=0.330N	P=0.443	P=0.331N	P=0.231N
HISTCONT SAME RTE	(h)	(h)	(h)	(h)
HISTCONT ALL RTES	(h)	(h)	(h)	(h)

TDMS No. 20005 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Ginseng
 CAS Number: 50647-08-0

Date Report Requested: 08/27/2008
 Time Report Requested: 15:02:16
 First Dose M/F: 02/10/04 / 02/09/04
 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/KG	1250 MG/KG	2500 MG/KG	5000 MG/KG

**Liver
 Hepatocellular Carcinoma**

TUMOR RATES

OVERALL (a)	2/50 (4%)	5/50 (10%)	4/50 (8%)	1/50 (2%)
POLY-3 RATE (b)	2/46.91	5/43.95	4/43.31	1/41
POLY-3 PERCENT (g)	4.3%	11.4%	9.2%	2.4%
TERMINAL (d)	2/38 (5%)	2/31 (7%)	2/34 (6%)	0/32 (0%)
FIRST INCIDENCE	729 (T)	633	711	677
HC TUMORS SAME RTE	6/100 (6%)			
HC TUMORS ALL RTES	101/996 (10%)			

STATISTICAL TESTS

POLY 3	P=0.352N	P=0.190	P=0.301	P=0.547N
POLY 1.5	P=0.332N	P=0.200	P=0.305	P=0.535N
POLY 6	P=0.363N	P=0.180	P=0.302	P=0.554N
COCH-ARM / FISHERS	P=0.273N	P=0.218	P=0.339	P=0.500N
MAX-ISO-POLY-3	P=0.256N	P=0.109	P=0.183	P=0.331N
HISTCONT SAME RTE	(h)	(h)	(h)	(h)
HISTCONT ALL RTES	(h)	(h)	(h)	(h)

TDMS No. 20005 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Ginseng
 CAS Number: 50647-08-0

Date Report Requested: 08/27/2008
 Time Report Requested: 15:02:16
 First Dose M/F: 02/10/04 / 02/09/04
 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/KG	1250 MG/KG	2500 MG/KG	5000 MG/KG

**Liver
 Hepatocellular Carcinoma or Hepatoblastoma**

TUMOR RATES

OVERALL (a)	2/50 (4%)	5/50 (10%)	4/50 (8%)	1/50 (2%)
POLY-3 RATE (b)	2/46.91	5/43.95	4/43.31	1/41
POLY-3 PERCENT (g)	4.3%	11.4%	9.2%	2.4%
TERMINAL (d)	2/38 (5%)	2/31 (7%)	2/34 (6%)	0/32 (0%)
FIRST INCIDENCE	729 (T)	633	711	677
HC TUMORS SAME RTE	7/100 (7%)			
HC TUMORS ALL RTES	104/996 (10%)			

STATISTICAL TESTS

POLY 3	P=0.352N	P=0.190	P=0.301	P=0.547N
POLY 1.5	P=0.332N	P=0.200	P=0.305	P=0.535N
POLY 6	P=0.363N	P=0.180	P=0.302	P=0.554N
COCH-ARM / FISHERS	P=0.273N	P=0.218	P=0.339	P=0.500N
MAX-ISO-POLY-3	P=0.256N	P=0.109	P=0.183	P=0.331N
HISTCONT SAME RTE	(h)	(h)	(h)	(h)
HISTCONT ALL RTES	(h)	(h)	(h)	(h)

TDMS No. 20005 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Ginseng
 CAS Number: 50647-08-0

Date Report Requested: 08/27/2008
 Time Report Requested: 15:02:16
 First Dose M/F: 02/10/04 / 02/09/04
 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/KG	1250 MG/KG	2500 MG/KG	5000 MG/KG

**Liver
 Hepatocellular Carcinoma or Hepatocellular Adenoma**

TUMOR RATES

OVERALL (a)	23/50 (46%)	21/50 (42%)	19/50 (38%)	16/50 (32%)
POLY-3 RATE (b)	23/47.66	21/44.24	19/43.31	16/41.95
POLY-3 PERCENT (g)	48.3%	47.5%	43.9%	38.1%
TERMINAL (d)	20/38 (53%)	17/31 (55%)	17/34 (50%)	12/32 (38%)
FIRST INCIDENCE	578	633	711	555
HC TUMORS SAME RTE	23/100 (23%)			
HC TUMORS ALL RTES	329/996 (33%)			

STATISTICAL TESTS

POLY 3	P=0.172N	P=0.553N	P=0.417N	P=0.225N
POLY 1.5	P=0.149N	P=0.500N	P=0.393N	P=0.191N
POLY 6	P=0.177N	P=0.556	P=0.429N	P=0.243N
COCH-ARM / FISHERS	P=0.082N	P=0.420N	P=0.272N	P=0.109N
MAX-ISO-POLY-3	P=0.277N	P=0.469N	P=0.343N	P=0.181N
HISTCONT SAME RTE	(h)	(h)	(h)	(h)
HISTCONT ALL RTES	(h)	(h)	(h)	(h)

TDMS No. 20005 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Ginseng
 CAS Number: 50647-08-0

Date Report Requested: 08/27/2008
 Time Report Requested: 15:02:16
 First Dose M/F: 02/10/04 / 02/09/04
 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/KG	1250 MG/KG	2500 MG/KG	5000 MG/KG

Liver
 Hepatocellular Carcinoma, Hepatocellular Adenoma, or Hepatoblastoma

TUMOR RATES

OVERALL (a)	23/50 (46%)	21/50 (42%)	19/50 (38%)	16/50 (32%)
POLY-3 RATE (b)	23/47.66	21/44.24	19/43.31	16/41.95
POLY-3 PERCENT (g)	48.3%	47.5%	43.9%	38.1%
TERMINAL (d)	20/38 (53%)	17/31 (55%)	17/34 (50%)	12/32 (38%)
FIRST INCIDENCE	578	633	711	555
HC TUMORS SAME RTE	24/100 (24%)			
HC TUMORS ALL RTES	330/996 (33%)			

STATISTICAL TESTS

POLY 3	P=0.172N	P=0.553N	P=0.417N	P=0.225N
POLY 1.5	P=0.149N	P=0.500N	P=0.393N	P=0.191N
POLY 6	P=0.177N	P=0.556	P=0.429N	P=0.243N
COCH-ARM / FISHERS	P=0.082N	P=0.420N	P=0.272N	P=0.109N
MAX-ISO-POLY-3	P=0.277N	P=0.469N	P=0.343N	P=0.181N
HISTCONT SAME RTE	(h)	(h)	(h)	(h)
HISTCONT ALL RTES	(h)	(h)	(h)	(h)

TDMS No. 20005 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Ginseng
 CAS Number: 50647-08-0

Date Report Requested: 08/27/2008
 Time Report Requested: 15:02:16
 First Dose M/F: 02/10/04 / 02/09/04
 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/KG	1250 MG/KG	2500 MG/KG	5000 MG/KG

**Lung
 Alveolar/Bronchiolar Adenoma**

TUMOR RATES

OVERALL (a)	6/50 (12%)	3/50 (6%)	2/50 (4%)	4/50 (8%)
POLY-3 RATE (b)	6/46.91	3/43.48	2/43.18	4/40.8
POLY-3 PERCENT (g)	12.8%	6.9%	4.6%	9.8%
TERMINAL (d)	6/38 (16%)	3/31 (10%)	2/34 (6%)	4/32 (13%)
FIRST INCIDENCE	729 (T)	729 (T)	729 (T)	729 (T)
HC TUMORS SAME RTE	6/100 (6%)			
HC TUMORS ALL RTES	47/998 (5%)			

STATISTICAL TESTS

POLY 3	P=0.384N	P=0.281N	P=0.161N	P=0.460N
POLY 1.5	P=0.376N	P=0.265N	P=0.158N	P=0.435N
POLY 6	P=0.385N	P=0.300N	P=0.161N	P=0.476N
COCH-ARM / FISHERS	P=0.341N	P=0.243N	P=0.134N	P=0.370N
MAX-ISO-POLY-3	P=0.300N	P=0.185N	P=0.096N	P=0.341N
HISTCONT SAME RTE	(h)	(h)	(h)	(h)
HISTCONT ALL RTES	(h)	(h)	(h)	(h)

TDMS No. 20005 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Ginseng
 CAS Number: 50647-08-0

Date Report Requested: 08/27/2008
 Time Report Requested: 15:02:16
 First Dose M/F: 02/10/04 / 02/09/04
 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/KG	1250 MG/KG	2500 MG/KG	5000 MG/KG

**Lung
 Alveolar/Bronchiolar Carcinoma**

TUMOR RATES

OVERALL (a)	1/50 (2%)	3/50 (6%)	1/50 (2%)	0/50 (0%)
POLY-3 RATE (b)	1/46.91	3/44.05	1/43.19	0/40.8
POLY-3 PERCENT (g)	2.1%	6.8%	2.3%	0%
TERMINAL (d)	1/38 (3%)	2/31 (7%)	0/34 (0%)	0/32 (0%)
FIRST INCIDENCE	729 (T)	550	725	---
HC TUMORS SAME RTE	3/100 (3%)			
HC TUMORS ALL RTES	43/998 (4%)			

STATISTICAL TESTS

POLY 3	P=0.242N	P=0.283	P=0.742	P=0.528N
POLY 1.5	P=0.231N	P=0.292	P=0.744	P=0.520N
POLY 6	P=0.249N	P=0.273	P=0.742	P=0.533N
COCH-ARM / FISHERS	P=0.200N	P=0.309	P=0.753N	P=0.500N
MAX-ISO-POLY-3	P=0.200N	P=0.146	P=0.476	P=0.192N
HISTCONT SAME RTE	(h)	(h)	(h)	(h)
HISTCONT ALL RTES	(h)	(h)	(h)	(h)

TDMS No. 20005 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Ginseng
 CAS Number: 50647-08-0

Date Report Requested: 08/27/2008
 Time Report Requested: 15:02:16
 First Dose M/F: 02/10/04 / 02/09/04
 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/KG	1250 MG/KG	2500 MG/KG	5000 MG/KG

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

TUMOR RATES

OVERALL (a)	7/50 (14%)	6/50 (12%)	3/50 (6%)	4/50 (8%)
POLY-3 RATE (b)	7/46.91	6/44.05	3/43.19	4/40.8
POLY-3 PERCENT (g)	14.9%	13.6%	7%	9.8%
TERMINAL (d)	7/38 (18%)	5/31 (16%)	2/34 (6%)	4/32 (13%)
FIRST INCIDENCE	729 (T)	550	725	729 (T)
HC TUMORS SAME RTE	8/100 (8%)			
HC TUMORS ALL RTES	86/998 (9%)			

STATISTICAL TESTS

POLY 3	P=0.221N	P=0.548N	P=0.193N	P=0.346N
POLY 1.5	P=0.209N	P=0.529N	P=0.189N	P=0.323N
POLY 6	P=0.226N	P=0.571N	P=0.192N	P=0.362N
COCH-ARM / FISHERS	P=0.169N	P=0.500N	P=0.159N	P=0.262N
MAX-ISO-POLY-3	P=0.296N	P=0.430N	P=0.124N	P=0.252N
HISTCONT SAME RTE	(h)	(h)	(h)	(h)
HISTCONT ALL RTES	(h)	(h)	(h)	(h)

TDMS No. 20005 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Ginseng
 CAS Number: 50647-08-0

Date Report Requested: 08/27/2008
 Time Report Requested: 15:02:16
 First Dose M/F: 02/10/04 / 02/09/04
 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/KG	1250 MG/KG	2500 MG/KG	5000 MG/KG

**Ovary
 Cystadenoma**

TUMOR RATES

OVERALL (a)	7/50 (14%)	2/50 (4%)	3/50 (6%)	0/50 (0%)
POLY-3 RATE (b)	7/46.91	2/43.48	3/43.18	0/40.8
POLY-3 PERCENT (g)	14.9%	4.6%	7%	0%
TERMINAL (d)	7/38 (18%)	2/31 (7%)	3/34 (9%)	0/32 (0%)
FIRST INCIDENCE	729 (T)	729 (T)	729 (T)	---
HC TUMORS SAME RTE	4/100 (4%)			
HC TUMORS ALL RTEs	39/977 (4%)			

STATISTICAL TESTS

POLY 3	P=0.010N**	P=0.098N	P=0.193N	P=0.013N*
POLY 1.5	P=0.009N**	P=0.090N	P=0.189N	P=0.011N*
POLY 6	P=0.010N**	P=0.108N	P=0.192N	P=0.014N*
COCH-ARM / FISHERS	P=0.008N**	P=0.080N	P=0.159N	P=0.006N**
MAX-ISO-POLY-3	P=0.007N**	P=0.056N	P=0.124N	P=0.007N**
HISTCONT SAME RTE	(h)	(h)	(h)	(h)
HISTCONT ALL RTEs	(h)	(h)	(h)	(h)

TDMS No. 20005 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Ginseng
 CAS Number: 50647-08-0

Date Report Requested: 08/27/2008
 Time Report Requested: 15:02:16
 First Dose M/F: 02/10/04 / 02/09/04
 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/KG	1250 MG/KG	2500 MG/KG	5000 MG/KG

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

TUMOR RATES

OVERALL (a)	1/50 (2%)	4/50 (8%)	5/50 (10%)	3/49 (6%)
POLY-3 RATE (b)	1/46.91	4/43.62	5/44.23	3/39.84
POLY-3 PERCENT (g)	2.1%	9.2%	11.3%	7.5%
TERMINAL (d)	1/38 (3%)	2/31 (7%)	3/34 (9%)	2/31 (7%)
FIRST INCIDENCE	729 (T)	704	444	719
HC TUMORS SAME RTE	5/99 (5%)			
HC TUMORS ALL RTES	72/974 (7%)			

STATISTICAL TESTS

POLY 3	P=0.232	P=0.157	P=0.088	P=0.250
POLY 1.5	P=0.253	P=0.166	P=0.089	P=0.262
POLY 6	P=0.219	P=0.148	P=0.090	P=0.241
COCH-ARM / FISHERS	P=0.320	P=0.181	P=0.102	P=0.301
MAX-ISO-POLY-3	P=0.180	P=0.078	P=0.042*	P=0.134
HISTCONT SAME RTE	P=0.243	P=0.109	P=0.057	P=0.190
HISTCONT ALL RTES	P=0.209	P=0.089	P=0.045*	P=0.160

TDMS No. 20005 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Ginseng
 CAS Number: 50647-08-0

Date Report Requested: 08/27/2008
 Time Report Requested: 15:02:16
 First Dose M/F: 02/10/04 / 02/09/04
 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/KG	1250 MG/KG	2500 MG/KG	5000 MG/KG

Skin
 Basal or Sq. Cell Carcinoma, Carcinoma, Basosq. Tumor (M or B), Basal Cell Adenoma, Adenoma, Papilloma, Sq Papilloma, Keratoacanthoma, Trichoepithelioma

TUMOR RATES	#	#	#	#
OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	1/50 (2%)
POLY-3 RATE (b)	0/46.91	0/43.48	0/43.18	1/40.8
POLY-3 PERCENT (g)	0%	0%	0%	2.5%
TERMINAL (d)	0/38 (0%)	0/31 (0%)	0/34 (0%)	1/32 (3%)
FIRST INCIDENCE	---	---	---	729 (T)
HC TUMORS SAME RTE	0/100 (0%)			
HC TUMORS ALL RTES	5/999 (1%)			

STATISTICAL TESTS

POLY 3	P=0.184	(e)	(e)	P=0.472
POLY 1.5	P=0.188	(e)	(e)	P=0.480
POLY 6	P=0.183	(e)	(e)	P=0.467
COCH-ARM / FISHERS	P=0.198	(e)	(e)	P=0.500
MAX-ISO-POLY-3	P=0.123	(e)	(e)	P=0.158
HISTCONT SAME RTE	(e)	(e)	(e)	(e)
HISTCONT ALL RTES	(e)	(e)	(e)	(e)

TDMS No. 20005 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Ginseng
 CAS Number: 50647-08-0

Date Report Requested: 08/27/2008
 Time Report Requested: 15:02:16
 First Dose M/F: 02/10/04 / 02/09/04
 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/KG	1250 MG/KG	2500 MG/KG	5000 MG/KG

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

TUMOR RATES	#	#	#	#
OVERALL (a)	4/50 (8%)	3/50 (6%)	1/50 (2%)	5/50 (10%)
POLY-3 RATE (b)	4/47.66	3/43.78	1/43.39	5/41.47
POLY-3 PERCENT (g)	8.4%	6.9%	2.3%	12.1%
TERMINAL (d)	1/38 (3%)	2/31 (7%)	0/34 (0%)	2/32 (6%)
FIRST INCIDENCE	590	648	673	644
HC TUMORS SAME RTE	1/100 (1%)			
HC TUMORS ALL RTES	46/999 (5%)			

STATISTICAL TESTS

POLY 3	P=0.356	P=0.546N	P=0.209N	P=0.414
POLY 1.5	P=0.366	P=0.528N	P=0.204N	P=0.436
POLY 6	P=0.353	P=0.568N	P=0.211N	P=0.400
COCH-ARM / FISHERS	P=0.404	P=0.500N	P=0.181N	P=0.500
MAX-ISO-POLY-3	P=0.242	P=0.394N	P=0.112N	P=0.298
HISTCONT SAME RTE	P=0.114	P=0.248	P=0.569	P=0.131
HISTCONT ALL RTES	P=0.183	P=0.455	P=1.000	P=0.124

TDMS No. 20005 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Ginseng
 CAS Number: 50647-08-0

Date Report Requested: 08/27/2008
 Time Report Requested: 15:02:16
 First Dose M/F: 02/10/04 / 02/09/04
 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/KG	1250 MG/KG	2500 MG/KG	5000 MG/KG
Skin				
Fibrosarcoma				
TUMOR RATES	#	#	#	#
OVERALL (a)	3/50 (6%)	0/50 (0%)	0/50 (0%)	2/50 (4%)
POLY-3 RATE (b)	3/47.45	0/43.48	0/43.18	2/40.8
POLY-3 PERCENT (g)	6.3%	0%	0%	4.9%
TERMINAL (d)	1/38 (3%)	0/31 (0%)	0/34 (0%)	2/32 (6%)
FIRST INCIDENCE	590	---	---	729 (T)
HC TUMORS SAME RTE	0/100 (0%)			
HC TUMORS ALL RTES	18/999 (2%)			

STATISTICAL TESTS

POLY 3	P=0.524N	P=0.135N	P=0.137N	P=0.568N
POLY 1.5	P=0.529N	P=0.128N	P=0.134N	P=0.549N
POLY 6	P=0.516N	P=0.144N	P=0.138N	P=0.582N
COCH-ARM / FISHERS	P=0.531N	P=0.121N	P=0.121N	P=0.500N
MAX-ISO-POLY-3	P=0.168N	P=0.052N	P=0.053N	P=0.393N
HISTCONT SAME RTE	(h)	(h)	(h)	(h)
HISTCONT ALL RTES	(h)	(h)	(h)	(h)

TDMS No. 20005 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Ginseng
 CAS Number: 50647-08-0

Date Report Requested: 08/27/2008
 Time Report Requested: 15:02:16
 First Dose M/F: 02/10/04 / 02/09/04
 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/KG	1250 MG/KG	2500 MG/KG	5000 MG/KG

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

TUMOR RATES	#	#	#	#
OVERALL (a)	4/50 (8%)	3/50 (6%)	1/50 (2%)	5/50 (10%)
POLY-3 RATE (b)	4/47.66	3/43.78	1/43.39	5/41.47
POLY-3 PERCENT (g)	8.4%	6.9%	2.3%	12.1%
TERMINAL (d)	1/38 (3%)	2/31 (7%)	0/34 (0%)	2/32 (6%)
FIRST INCIDENCE	590	648	673	644
HC TUMORS SAME RTE	1/100 (1%)			
HC TUMORS ALL RTES	46/999 (5%)			

STATISTICAL TESTS

POLY 3	P=0.356	P=0.546N	P=0.209N	P=0.414
POLY 1.5	P=0.366	P=0.528N	P=0.204N	P=0.436
POLY 6	P=0.353	P=0.568N	P=0.211N	P=0.400
COCH-ARM / FISHERS	P=0.404	P=0.500N	P=0.181N	P=0.500
MAX-ISO-POLY-3	P=0.242	P=0.394N	P=0.112N	P=0.298
HISTCONT SAME RTE	P=0.114	P=0.248	P=0.569	P=0.131
HISTCONT ALL RTES	P=0.183	P=0.455	P=1.000	P=0.124

TDMS No. 20005 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 Ginseng
 CAS Number: 50647-08-0

Date Report Requested: 08/27/2008
 Time Report Requested: 15:02:16
 First Dose M/F: 02/10/04 / 02/09/04
 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/KG	1250 MG/KG	2500 MG/KG	5000 MG/KG
Skin				
Fibrous Histiocytoma				
TUMOR RATES	#	#	#	#
OVERALL (a)	1/50 (2%)	0/50 (0%)	0/50 (0%)	3/50 (6%)
POLY-3 RATE (b)	1/47.12	0/43.48	0/43.18	3/41.47
POLY-3 PERCENT (g)	2.1%	0%	0%	7.2%
TERMINAL (d)	0/38 (0%)	0/31 (0%)	0/34 (0%)	0/32 (0%)
FIRST INCIDENCE	673	---	---	644
HC TUMORS SAME RTE	0/100 (0%)			
HC TUMORS ALL RTES	7/999 (1%)			

STATISTICAL TESTS

POLY 3	P=0.080	P=0.516N	P=0.517N	P=0.261
POLY 1.5	P=0.080	P=0.510N	P=0.515N	P=0.272
POLY 6	P=0.081	P=0.524N	P=0.518N	P=0.256
COCH-ARM / FISHERS	P=0.086	P=0.500N	P=0.500N	P=0.309
MAX-ISO-POLY-3	P=0.040*	P=0.178N	P=0.180N	P=0.139
HISTCONT SAME RTE	P=0.054	(e)	(e)	P=0.100
HISTCONT ALL RTES	P=0.032*	(e)	(e)	P=0.025*

TDMS No. 20005 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 Ginseng
 CAS Number: 50647-08-0

Date Report Requested: 08/27/2008
 Time Report Requested: 15:02:16
 First Dose M/F: 02/10/04 / 02/09/04
 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/KG	1250 MG/KG	2500 MG/KG	5000 MG/KG
Skin				
Sarcoma				
TUMOR RATES	#	#	#	#
OVERALL (a)	0/50 (0%)	3/50 (6%)	1/50 (2%)	0/50 (0%)
POLY-3 RATE (b)	0/46.91	3/43.78	1/43.39	0/40.8
POLY-3 PERCENT (g)	0%	6.9%	2.3%	0%
TERMINAL (d)	0/38 (0%)	2/31 (7%)	0/34 (0%)	0/32 (0%)
FIRST INCIDENCE	---	648	673	---
HC TUMORS SAME RTE	1/100 (1%)			
HC TUMORS ALL RTES	22/999 (2%)			

STATISTICAL TESTS

POLY 3	P=0.427N	P=0.107	P=0.484	(e)
POLY 1.5	P=0.411N	P=0.111	P=0.486	(e)
POLY 6	P=0.438N	P=0.102	P=0.485	(e)
COCH-ARM / FISHERS	P=0.366N	P=0.121	P=0.500	(e)
MAX-ISO-POLY-3	P=0.267N	P=0.038*	P=0.158	(e)
HISTCONT SAME RTE	(h)	(h)	(h)	(e)
HISTCONT ALL RTES	(h)	(h)	(h)	(e)

TDMS No. 20005 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Ginseng
 CAS Number: 50647-08-0

Date Report Requested: 08/27/2008
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 First Dose M/F: 02/10/04 / 02/09/04
 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/KG	1250 MG/KG	2500 MG/KG	5000 MG/KG

**Skin
 Schwannoma Malignant**

TUMOR RATES	#	#	#	#
OVERALL (a)	2/50 (4%)	0/50 (0%)	1/50 (2%)	2/50 (4%)
POLY-3 RATE (b)	2/47.56	0/43.48	1/43.18	2/41.08
POLY-3 PERCENT (g)	4.2%	0%	2.3%	4.9%
TERMINAL (d)	0/38 (0%)	0/31 (0%)	1/34 (3%)	0/32 (0%)
FIRST INCIDENCE	596	---	729 (T)	677
HC TUMORS SAME RTE	0/100 (0%)			
HC TUMORS ALL RTES	3/999 (0%)			

STATISTICAL TESTS

POLY 3	P=0.443	P=0.258N	P=0.534N	P=0.640
POLY 1.5	P=0.448	P=0.249N	P=0.528N	P=0.655
POLY 6	P=0.443	P=0.269N	P=0.537N	P=0.629
COCH-ARM / FISHERS	P=0.469	P=0.247N	P=0.500N	P=0.691N
MAX-ISO-POLY-3	P=0.390	P=0.095N	P=0.317N	P=0.443
HISTCONT SAME RTE	P=0.148	(e)	P=0.347	P=0.169
HISTCONT ALL RTES	P=0.007**	(e)	P=0.157	P=0.022*

TDMS No. 20005 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 Ginseng
 CAS Number: 50647-08-0

Date Report Requested: 08/27/2008
 Time Report Requested: 15:02:16
 First Dose M/F: 02/10/04 / 02/09/04
 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/KG	1250 MG/KG	2500 MG/KG	5000 MG/KG

**Skin
 Squamous Cell Papilloma**

TUMOR RATES	#	#	#	#
OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/46.91	0/43.48	0/43.18	0/40.8
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/38 (0%)	0/31 (0%)	0/34 (0%)	0/32 (0%)
FIRST INCIDENCE	---	---	---	---
HC TUMORS SAME RTE	0/100 (0%)			
HC TUMORS ALL RTES	1/999 (0%)			

STATISTICAL TESTS

POLY 3	(e)	(e)	(e)	(e)
POLY 1.5	(e)	(e)	(e)	(e)
POLY 6	(e)	(e)	(e)	(e)
COCH-ARM / FISHERS	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)
HISTCONT SAME RTE	(e)	(e)	(e)	(e)
HISTCONT ALL RTES	(e)	(e)	(e)	(e)

TDMS No. 20005 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Ginseng
 CAS Number: 50647-08-0

Date Report Requested: 08/27/2008
 Time Report Requested: 15:02:16
 First Dose M/F: 02/10/04 / 02/09/04
 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/KG	1250 MG/KG	2500 MG/KG	5000 MG/KG
Uterus				
Polyp Stromal				
TUMOR RATES	#	#	#	#
OVERALL (a)	0/50 (0%)	0/50 (0%)	2/50 (4%)	0/50 (0%)
POLY-3 RATE (b)	0/46.91	0/43.48	2/43.18	0/40.8
POLY-3 PERCENT (g)	0%	0%	4.6%	0%
TERMINAL (d)	0/38 (0%)	0/31 (0%)	2/34 (6%)	0/32 (0%)
FIRST INCIDENCE	---	---	729 (T)	---
HC TUMORS SAME RTE	1/100 (1%)			
HC TUMORS ALL RTES	29/999 (3%)			

STATISTICAL TESTS

POLY 3	P=0.530	(e)	P=0.219	(e)
POLY 1.5	P=0.548	(e)	P=0.221	(e)
POLY 6	P=0.519	(e)	P=0.219	(e)
COCH-ARM / FISHERS	P=0.595	(e)	P=0.247	(e)
MAX-ISO-POLY-3	P=0.262	(e)	P=0.076	(e)
HISTCONT SAME RTE	P=0.347	(e)	P=0.106	(e)
HISTCONT ALL RTES	P=0.304	(e)	P=0.086	(e)

TDMS No. 20005 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Ginseng
 CAS Number: 50647-08-0

Date Report Requested: 08/27/2008
 Time Report Requested: 15:02:16
 First Dose M/F: 02/10/04 / 02/09/04
 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/KG	1250 MG/KG	2500 MG/KG	5000 MG/KG

**Uterus
 Sarcoma Stromal or Polyp Stromal**

TUMOR RATES	#	#	#	#
OVERALL (a)	0/50 (0%)	0/50 (0%)	2/50 (4%)	1/50 (2%)
POLY-3 RATE (b)	0/46.91	0/43.48	2/43.18	1/41.62
POLY-3 PERCENT (g)	0%	0%	4.6%	2.4%
TERMINAL (d)	0/38 (0%)	0/31 (0%)	2/34 (6%)	0/32 (0%)
FIRST INCIDENCE	---	---	729 (T)	410
HC TUMORS SAME RTE	1/100 (1%)			
HC TUMORS ALL RTES	32/999 (3%)			

STATISTICAL TESTS

POLY 3	P=0.210	(e)	P=0.219	P=0.476
POLY 1.5	P=0.219	(e)	P=0.221	P=0.482
POLY 6	P=0.206	(e)	P=0.219	P=0.472
COCH-ARM / FISHERS	P=0.246	(e)	P=0.247	P=0.500
MAX-ISO-POLY-3	P=0.179	(e)	P=0.076	P=0.158
HISTCONT SAME RTE	P=0.241	(e)	P=0.106	P=0.223
HISTCONT ALL RTES	P=0.207	(e)	P=0.086	P=0.189

TDMS No. 20005 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Ginseng
 CAS Number: 50647-08-0

Date Report Requested: 08/27/2008
 Time Report Requested: 15:02:16
 First Dose M/F: 02/10/04 / 02/09/04
 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/KG	1250 MG/KG	2500 MG/KG	5000 MG/KG
All Organs				
Hemangioma				
TUMOR RATES	#	#	#	#
OVERALL (a)	1/50 (2%)	1/50 (2%)	2/50 (4%)	1/50 (2%)
POLY-3 RATE (b)	1/46.91	1/43.5	2/43.18	1/40.8
POLY-3 PERCENT (g)	2.1%	2.3%	4.6%	2.5%
TERMINAL (d)	1/38 (3%)	0/31 (0%)	2/34 (6%)	1/32 (3%)
FIRST INCIDENCE	729 (T)	725	729 (T)	729 (T)
HC TUMORS SAME RTE	2/100 (2%)			
HC TUMORS ALL RTES	15/999 (2%)			

STATISTICAL TESTS

POLY 3	P=0.532	P=0.744	P=0.471	P=0.729
POLY 1.5	P=0.547	P=0.750	P=0.475	P=0.737
POLY 6	P=0.524	P=0.735	P=0.471	P=0.723
COCH-ARM / FISHERS	P=0.591	P=0.753N	P=0.500	P=0.753N
MAX-ISO-POLY-3	P=0.559	P=0.478	P=0.265	P=0.462
HISTCONT SAME RTE	P=0.607	P=0.632	P=0.315	P=0.614
HISTCONT ALL RTES	P=0.457	P=0.526	P=0.204	P=0.509

TDMS No. 20005 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Ginseng
 CAS Number: 50647-08-0

Date Report Requested: 08/27/2008
 Time Report Requested: 15:02:16
 First Dose M/F: 02/10/04 / 02/09/04
 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/KG	1250 MG/KG	2500 MG/KG	5000 MG/KG
All Organs				
Hemangiosarcoma				
TUMOR RATES	#	#	#	#
OVERALL (a)	0/50 (0%)	2/50 (4%)	3/50 (6%)	1/50 (2%)
POLY-3 RATE (b)	0/46.91	2/44.28	3/43.18	1/40.8
POLY-3 PERCENT (g)	0%	4.5%	7%	2.5%
TERMINAL (d)	0/38 (0%)	1/31 (3%)	3/34 (9%)	1/32 (3%)
FIRST INCIDENCE	---	428	729 (T)	729 (T)
HC TUMORS SAME RTE	7/100 (7%)			
HC TUMORS ALL RTES	43/999 (4%)			

STATISTICAL TESTS

POLY 3	P=0.360	P=0.225	P=0.105	P=0.472
POLY 1.5	P=0.382	P=0.230	P=0.106	P=0.480
POLY 6	P=0.347	P=0.218	P=0.104	P=0.467
COCH-ARM / FISHERS	P=0.444	P=0.247	P=0.121	P=0.500
MAX-ISO-POLY-3	P=0.203	P=0.076	P=0.038*	P=0.158
HISTCONT SAME RTE	P=0.272	P=0.106	P=0.051	P=0.223
HISTCONT ALL RTES	P=0.235	P=0.086	P=0.040*	P=0.189

TDMS No. 20005 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Ginseng
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Date Report Requested: 08/27/2008
 Time Report Requested: 15:02:16
 First Dose M/F: 02/10/04 / 02/09/04
 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/KG	1250 MG/KG	2500 MG/KG	5000 MG/KG

**All Organs
 Hemangiosarcoma or Hemangioma**

TUMOR RATES	#	#	#	#
OVERALL (a)	1/50 (2%)	3/50 (6%)	5/50 (10%)	2/50 (4%)
POLY-3 RATE (b)	1/46.91	3/44.3	5/43.18	2/40.8
POLY-3 PERCENT (g)	2.1%	6.8%	11.6%	4.9%
TERMINAL (d)	1/38 (3%)	1/31 (3%)	5/34 (15%)	2/32 (6%)
FIRST INCIDENCE	729 (T)	428	729 (T)	729 (T)
HC TUMORS SAME RTE	9/100 (9%)			
HC TUMORS ALL RTES	58/999 (6%)			

STATISTICAL TESTS

POLY 3	P=0.340	P=0.285	P=0.083	P=0.452
POLY 1.5	P=0.364	P=0.294	P=0.086	P=0.464
POLY 6	P=0.325	P=0.274	P=0.083	P=0.443
COCH-ARM / FISHERS	P=0.438	P=0.309	P=0.102	P=0.500
MAX-ISO-POLY-3	P=0.213	P=0.147	P=0.041*	P=0.255
HISTCONT SAME RTE	P=0.284	P=0.208	P=0.056	P=0.357
HISTCONT ALL RTES	P=0.246	P=0.175	P=0.044*	P=0.317

TDMS No. 20005 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Ginseng
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Date Report Requested: 08/27/2008
 Time Report Requested: 15:02:16
 First Dose M/F: 02/10/04 / 02/09/04
 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/KG	1250 MG/KG	2500 MG/KG	5000 MG/KG

**All Organs
 Histiocytic Sarcoma**

TUMOR RATES	#	#	#	#
OVERALL (a)	0/50 (0%)	1/50 (2%)	1/50 (2%)	2/50 (4%)
POLY-3 RATE (b)	0/46.91	1/43.71	1/43.26	2/41.52
POLY-3 PERCENT (g)	0%	2.3%	2.3%	4.8%
TERMINAL (d)	0/38 (0%)	0/31 (0%)	0/34 (0%)	1/32 (3%)
FIRST INCIDENCE	---	668	709	477
HC TUMORS SAME RTE	2/100 (2%)			
HC TUMORS ALL RTES	25/999 (3%)			

STATISTICAL TESTS

POLY 3	P=0.129	P=0.486	P=0.484	P=0.211
POLY 1.5	P=0.134	P=0.491	P=0.486	P=0.217
POLY 6	P=0.126	P=0.480	P=0.484	P=0.207
COCH-ARM / FISHERS	P=0.153	P=0.500	P=0.500	P=0.247
MAX-ISO-POLY-3	P=0.121	P=0.158	P=0.158	P=0.076
HISTCONT SAME RTE	P=0.163	P=0.223	P=0.223	P=0.106
HISTCONT ALL RTES	P=0.139	P=0.189	P=0.189	P=0.086

TDMS No. 20005 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Ginseng
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Date Report Requested: 08/27/2008
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 First Dose M/F: 02/10/04 / 02/09/04
 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/KG	1250 MG/KG	2500 MG/KG	5000 MG/KG

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

TUMOR RATES	#	#	#	#
OVERALL (a)	9/50 (18%)	12/50 (24%)	6/50 (12%)	8/50 (16%)
POLY-3 RATE (b)	9/47.57	12/45.12	6/43.18	8/42.06
POLY-3 PERCENT (g)	18.9%	26.6%	13.9%	19%
TERMINAL (d)	4/38 (11%)	8/31 (26%)	6/34 (18%)	4/32 (13%)
FIRST INCIDENCE	677	508	729 (T)	493
HC TUMORS SAME RTE	18/100 (18%)			
HC TUMORS ALL RTES	213/999 (21%)			

STATISTICAL TESTS

POLY 3	P=0.401N	P=0.263	P=0.360N	P=0.601
POLY 1.5	P=0.377N	P=0.283	P=0.348N	P=0.583N
POLY 6	P=0.415N	P=0.238	P=0.370N	P=0.584
COCH-ARM / FISHERS	P=0.296N	P=0.312	P=0.288N	P=0.500N
MAX-ISO-POLY-3	P=0.391N	P=0.195	P=0.271N	P=0.495
HISTCONT SAME RTE	(h)	(h)	(h)	(h)
HISTCONT ALL RTES	(h)	(h)	(h)	(h)

TDMS No. 20005 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Ginseng
 CAS Number: 50647-08-0

Date Report Requested: 08/27/2008
 Time Report Requested: 15:02:16
 First Dose M/F: 02/10/04 / 02/09/04
 Lab: BAT

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Females			
	0 MG/KG	1250 MG/KG	2500 MG/KG	5000 MG/KG
All Organs				
Osteosarcoma				
TUMOR RATES	#	#	#	#
OVERALL (a)	0/50 (0%)	2/50 (4%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/46.91	2/44.91	0/43.18	0/40.8
POLY-3 PERCENT (g)	0%	4.5%	0%	0%
TERMINAL (d)	0/38 (0%)	0/31 (0%)	0/34 (0%)	0/32 (0%)
FIRST INCIDENCE	---	449	---	---
HC TUMORS SAME RTE	0/100 (0%)			
HC TUMORS ALL RTES	4/999 (0%)			

STATISTICAL TESTS

POLY 3	P=0.439N	P=0.228	(e)	(e)
POLY 1.5	P=0.430N	P=0.232	(e)	(e)
POLY 6	P=0.445N	P=0.222	(e)	(e)
COCH-ARM / FISHERS	P=0.405N	P=0.247	(e)	(e)
MAX-ISO-POLY-3	P=0.297N	P=0.076	(e)	(e)
HISTCONT SAME RTE	(h)	(h)	(e)	(e)
HISTCONT ALL RTES	(h)	(h)	(e)	(e)

TDMS No. 20005 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 Ginseng
 CAS Number: 50647-08-0

Date Report Requested: 08/27/2008
 Time Report Requested: 15:02:16
 First Dose M/F: 02/10/04 / 02/09/04
 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/KG	1250 MG/KG	2500 MG/KG	5000 MG/KG

**All Organs
 Osteosarcoma or Osteoma**

TUMOR RATES	#	#	#	#
OVERALL (a)	0/50 (0%)	2/50 (4%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/46.91	2/44.91	0/43.18	0/40.8
POLY-3 PERCENT (g)	0%	4.5%	0%	0%
TERMINAL (d)	0/38 (0%)	0/31 (0%)	0/34 (0%)	0/32 (0%)
FIRST INCIDENCE	---	449	---	---
HC TUMORS SAME RTE	0/100 (0%)			
HC TUMORS ALL RTES	5/999 (1%)			

STATISTICAL TESTS

POLY 3	P=0.439N	P=0.228	(e)	(e)
POLY 1.5	P=0.430N	P=0.232	(e)	(e)
POLY 6	P=0.445N	P=0.222	(e)	(e)
COCH-ARM / FISHERS	P=0.405N	P=0.247	(e)	(e)
MAX-ISO-POLY-3	P=0.297N	P=0.076	(e)	(e)
HISTCONT SAME RTE	(h)	(h)	(e)	(e)
HISTCONT ALL RTES	(h)	(h)	(e)	(e)

TDMS No. 20005 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

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 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/KG	1250 MG/KG	2500 MG/KG	5000 MG/KG

**All Organs
 Benign Tumors**

TUMOR RATES

	#	#	#	#
OVERALL (a)	33/50 (66%)	30/50 (60%)	29/50 (58%)	25/50 (50%)
POLY-3 RATE (b)	33/47.83	30/44.99	29/44.58	25/41.79
POLY-3 PERCENT (g)	69%	66.7%	65.1%	59.8%
TERMINAL (d)	28/38 (74%)	23/31 (74%)	24/34 (71%)	21/32 (66%)
FIRST INCIDENCE	578	550	444	555
HC TUMORS SAME RTE	43/100 (43%)			
HC TUMORS ALL RTES	508/999 (51%)			

STATISTICAL TESTS

POLY 3	P=0.198N	P=0.493N	P=0.427N	P=0.241N
POLY 1.5	P=0.157N	P=0.429N	P=0.414N	P=0.184N
POLY 6	P=0.217N	P=0.570N	P=0.417N	P=0.283N
COCH-ARM / FISHERS	P=0.063N	P=0.339N	P=0.268N	P=0.078N
MAX-ISO-POLY-3	P=0.308N	P=0.403N	P=0.345N	P=0.191N
HISTCONT SAME RTE	(h)	(h)	(h)	(h)
HISTCONT ALL RTES	(h)	(h)	(h)	(h)

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 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/KG	1250 MG/KG	2500 MG/KG	5000 MG/KG
All Organs				
Malignant Tumors				
TUMOR RATES	#	#	#	#
OVERALL (a)	15/50 (30%)	27/50 (54%)	17/50 (34%)	20/50 (40%)
POLY-3 RATE (b)	15/48.77	27/48.24	17/44.5	20/44.55
POLY-3 PERCENT (g)	30.8%	56%	38.2%	44.9%
TERMINAL (d)	6/38 (16%)	15/31 (48%)	10/34 (29%)	9/32 (28%)
FIRST INCIDENCE	590	428	521	410
HC TUMORS SAME RTE	42/100 (42%)			
HC TUMORS ALL RTES	495/999 (50%)			

STATISTICAL TESTS

POLY 3	P=0.258	P=0.009**	P=0.296	P=0.115
POLY 1.5	P=0.290	P=0.010**	P=0.314	P=0.131
POLY 6	P=0.247	P=0.007**	P=0.285	P=0.109
COCH-ARM / FISHERS	P=0.432	P=0.013*	P=0.415	P=0.201
MAX-ISO-POLY-3	P=0.103	P=0.005**	P=0.236	P=0.088
HISTCONT SAME RTE	P=0.141	P=0.006**	P=0.331	P=0.123
HISTCONT ALL RTES	P=0.119	P=0.005**	P=0.291	P=0.101

TDMS No. 20005 - 06
 Test Type: CHRONIC
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**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/KG	1250 MG/KG	2500 MG/KG	5000 MG/KG

**All Organs
 Malignant and Benign Tumors**

TUMOR RATES	#	#	#	#
OVERALL (a)	42/50 (84%)	38/50 (76%)	35/50 (70%)	36/50 (72%)
POLY-3 RATE (b)	42/49.4	38/48.73	35/45.56	36/45.11
POLY-3 PERCENT (g)	85%	78%	76.8%	79.8%
TERMINAL (d)	31/38 (82%)	24/31 (77%)	26/34 (77%)	24/32 (75%)
FIRST INCIDENCE	578	428	444	410
HC TUMORS SAME RTE	70/100 (70%)			
HC TUMORS ALL RTES	746/999 (75%)			

STATISTICAL TESTS

POLY 3	P=0.336N	P=0.257N	P=0.222N	P=0.344N
POLY 1.5	P=0.276N	P=0.240N	P=0.194N	P=0.276N
POLY 6	P=0.356N	P=0.298N	P=0.242N	P=0.380N
COCH-ARM / FISHERS	P=0.106N	P=0.227N	P=0.077N	P=0.114N
MAX-ISO-POLY-3	P=0.339N	P=0.182N	P=0.161N	P=0.259N
HISTCONT SAME RTE	(h)	(h)	(h)	(h)
HISTCONT ALL RTES	(h)	(h)	(h)	(h)

TDMS No. 20005 - 06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: MICE/B6C3F1

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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.
 - (e) Value of Statistic cannot be computed.
 - (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.
 - (g) Poly-3 adjusted lifetime tumor incidence.
 - (h) Value of Historical Controls statistic is only calculated when Poly-3 trend is positive and when there is more than one tumor in the treatment groups.
 - (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
- The Cochran-Armitage and Fishers exact tests compare directly the overall incidence rates.

*** END OF REPORT ***