

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

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

**MALE MICE**

**Organ**

Adrenal Cortex  
  
Gallbladder  
Heart: Artery  
Intestine Small, Jejunum: Peyer's Patch  
Kidney  
Liver  
Lung: Alveolar Epithelium  
Nose  
Prostate  
Spleen: Lymphoid Follicle  
Testes

**Morphology**

Hyperplasia  
Hypertrophy  
Inflammation  
Inflammation  
Hyperplasia  
Infarct  
Clear Cell Focus  
Hyperplasia  
Polyp, Inflammatory  
Inflammation  
Atrophy  
Mineralization

**FEMALE MICE**

**Organ**

Adrenal Cortex  
Bone Marrow  
Esophagus: Periesophageal Tissue  
Heart  
  
Heart: Artery  
Kidney  
  
Liver  
  
Liver: Hepatocyte  
Lung  
Mammary Gland  
Pancreas  
Pancreas: Acinus

**Morphology**

Hyperplasia  
Myelofibrosis  
Inflammation  
Cardiomyopathy  
Inflammation  
Inflammation  
Infarct  
Inflammation  
Metaplasia Osseous  
Eosinophilic Focus  
Tension Lipidosis  
Necrosis  
Congestion  
Hyperplasia Focal  
Infiltration Cellular  
Hyperplasia

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

Spleen  
Uterus: Endometrium

Hyperplasia Lymphoid  
Hyperplasia Cystic

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 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

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

---

**Adrenal Cortex  
 Hyperplasia**

**LESION RATES**

OVERALL (a)	10/50 (20%)	16/50 (32%)	16/50 (32%)	6/50 (12%)
POLY-3 RATE (b)	10/44.20	16/44.36	16/46.18	6/43.46
POLY-3 PERCENT (g)	22.6%	36.1%	34.7%	13.8%
TERMINAL (d)	8/32 (25%)	15/32 (47%)	16/38 (42%)	3/32 (9%)
FIRST INCIDENCE	673	689	730 (T)	560

**STATISTICAL TESTS**

POLY 3	P=0.110N	P=0.121	P=0.150	P=0.214N
POLY 1.5	P=0.115N	P=0.123	P=0.141	P=0.217N
POLY 6	P=0.099N	P=0.117	P=0.160	P=0.205N
COCH-ARM / FISHERS	P=0.109N	P=0.127	P=0.127	P=0.207N
MAX-ISO-POLY-3	P=0.050N*	P=0.080	P=0.106	P=0.144N

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 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

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

**Adrenal Cortex  
 Hypertrophy**

**LESION RATES**

OVERALL (a)	28/50 (56%)	24/50 (48%)	31/50 (62%)	35/50 (70%)
POLY-3 RATE (b)	28/45.80	24/44.89	31/47.34	35/44.64
POLY-3 PERCENT (g)	61.1%	53.5%	65.5%	78.4%
TERMINAL (d)	21/32 (66%)	20/32 (63%)	26/38 (68%)	28/32 (88%)
FIRST INCIDENCE	562	641	632	560

**STATISTICAL TESTS**

POLY 3	P=0.017*	P=0.295N	P=0.411	P=0.050*
POLY 1.5	P=0.020*	P=0.286N	P=0.385	P=0.060
POLY 6	P=0.016*	P=0.314N	P=0.448	P=0.043*
COCH-ARM / FISHERS	P=0.036*	P=0.274N	P=0.342	P=0.107
MAX-ISO-POLY-3	P=0.023*	P=0.227N	P=0.330	P=0.031*

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Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
TERMINAL SACRIFICE AT 105 WEEKS**

---

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

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**Adrenal Medulla  
Hyperplasia**

**LESION RATES**

OVERALL (a)	2/50 (4%)	0/50 (0%)	1/50 (2%)	0/50 (0%)
POLY-3 RATE (b)	2/43.94	0/44.20	1/46.18	0/42.27
POLY-3 PERCENT (g)	4.6%	0%	2.2%	0%
TERMINAL (d)	1/32 (3%)	0/32 (0%)	1/38 (3%)	0/32 (0%)
FIRST INCIDENCE	708	---	730 (T)	---

**STATISTICAL TESTS**

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POLY 3	P=0.191N	P=0.236N	P=0.483N	P=0.246N
POLY 1.5	P=0.191N	P=0.237N	P=0.489N	P=0.244N
POLY 6	P=0.190N	P=0.235N	P=0.474N	P=0.246N
COCH-ARM / FISHERS	P=0.188N	P=0.247N	P=0.500N	P=0.247N
MAX-ISO-POLY-3	P=0.088N	P=0.076N	P=0.271N	P=0.084N

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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

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

**Bone Marrow  
 Hyperplasia**

**LESION RATES**

OVERALL (a)	1/50 (2%)	0/50 (0%)	1/50 (2%)	0/50 (0%)
POLY-3 RATE (b)	1/43.93	0/44.20	1/46.75	0/42.27
POLY-3 PERCENT (g)	2.3%	0%	2.1%	0%
TERMINAL (d)	0/32 (0%)	0/32 (0%)	0/38 (0%)	0/32 (0%)
FIRST INCIDENCE	710	---	554	---

**STATISTICAL TESTS**

POLY 3	P=0.410N	P=0.499N	P=0.747N	P=0.508N
POLY 1.5	P=0.410N	P=0.499N	P=0.752N	P=0.506N
POLY 6	P=0.410N	P=0.498N	P=0.740N	P=0.508N
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=0.482N	P=0.168N

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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

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

---

**Bone Marrow  
 Myelofibrosis**

**LESION RATES**

OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/43.85	0/44.20	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	---	---	---	---

**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)

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 TERMINAL SACRIFICE AT 105 WEEKS**

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

---

**Brain  
 Hydrocephalus**

**LESION RATES**

OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/43.85	0/44.20	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	---	---	---	---

**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)

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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
TERMINAL SACRIFICE AT 105 WEEKS**

---

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

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**Epididymis  
Granuloma Sperm**

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**LESION RATES**

OVERALL (a)	2/50 (4%)	4/50 (8%)	1/50 (2%)	1/50 (2%)
POLY-3 RATE (b)	2/44.19	4/44.54	1/46.18	1/42.27
POLY-3 PERCENT (g)	4.5%	9%	2.2%	2.4%
TERMINAL (d)	1/32 (3%)	3/32 (9%)	1/38 (3%)	1/32 (3%)
FIRST INCIDENCE	637	633	730 (T)	730 (T)

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**STATISTICAL TESTS**

POLY 3	P=0.241N	P=0.341	P=0.485N	P=0.515N
POLY 1.5	P=0.240N	P=0.339	P=0.490N	P=0.512N
POLY 6	P=0.240N	P=0.342	P=0.477N	P=0.517N
COCH-ARM / FISHERS	P=0.232N	P=0.339	P=0.500N	P=0.500N
MAX-ISO-POLY-3	P=0.266N	P=0.204	P=0.272N	P=0.297N

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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

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

---

**Epididymis  
 Inflammation**

**LESION RATES**

OVERALL (a)	2/50 (4%)	4/50 (8%)	6/50 (12%)	2/50 (4%)
POLY-3 RATE (b)	2/43.85	4/44.62	6/46.18	2/42.57
POLY-3 PERCENT (g)	4.6%	9%	13%	4.7%
TERMINAL (d)	2/32 (6%)	3/32 (9%)	6/38 (16%)	1/32 (3%)
FIRST INCIDENCE	730 (T)	609	730 (T)	651

**STATISTICAL TESTS**

POLY 3	P=0.561N	P=0.345	P=0.150	P=0.683
POLY 1.5	P=0.559N	P=0.341	P=0.144	P=0.684
POLY 6	P=0.558N	P=0.350	P=0.159	P=0.686
COCH-ARM / FISHERS	P=0.537N	P=0.339	P=0.134	P=0.691N
MAX-ISO-POLY-3	P=0.368	P=0.208	P=0.085	P=0.487

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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

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

**Esophagus  
 Perforation**

**LESION RATES**

OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/43.85	0/44.20	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	---	---	---	---

**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)

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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

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

**Esophagus: Periesophageal Tissue  
 Inflammation**

**LESION RATES**

OVERALL (a)	0/50 (0%)	0/50 (0%)	1/50 (2%)	0/50 (0%)
POLY-3 RATE (b)	0/43.85	0/44.20	1/46.18	0/42.27
POLY-3 PERCENT (g)	0%	0%	2.2%	0%
TERMINAL (d)	0/32 (0%)	0/32 (0%)	1/38 (3%)	0/32 (0%)
FIRST INCIDENCE	---	---	730 (T)	---

**STATISTICAL TESTS**

POLY 3	P=0.673	(e)	P=0.510	(e)
POLY 1.5	P=0.678	(e)	P=0.506	(e)
POLY 6	P=0.671	(e)	P=0.516	(e)
COCH-ARM / FISHERS	P=0.694	(e)	P=0.500	(e)
MAX-ISO-POLY-3	P=0.402	(e)	P=0.172	(e)

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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

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

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Eye: Cornea  
 Inflammation

**LESION RATES**

OVERALL (a)	3/50 (6%)	3/50 (6%)	1/50 (2%)	3/50 (6%)
POLY-3 RATE (b)	3/44.32	3/45.11	1/46.89	3/43.94
POLY-3 PERCENT (g)	6.8%	6.7%	2.1%	6.8%
TERMINAL (d)	1/32 (3%)	0/32 (0%)	0/38 (0%)	0/32 (0%)
FIRST INCIDENCE	637	562	486	483

**STATISTICAL TESTS**

POLY 3	P=0.543N	P=0.654N	P=0.285N	P=0.659
POLY 1.5	P=0.545N	P=0.658N	P=0.293N	P=0.656
POLY 6	P=0.538N	P=0.650N	P=0.277N	P=0.662N
COCH-ARM / FISHERS	P=0.544N	P=0.661N	P=0.309N	P=0.661N
MAX-ISO-POLY-3	P=0.505N	P=0.490N	P=0.147N	P=0.495

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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

---

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

---

**Gallbladder  
 Cyst**

**LESION RATES**

OVERALL (a)	1/49 (2%)	0/50 (0%)	1/49 (2%)	0/50 (0%)
POLY-3 RATE (b)	1/43.54	0/44.20	1/45.18	0/42.27
POLY-3 PERCENT (g)	2.3%	0%	2.2%	0%
TERMINAL (d)	1/32 (3%)	0/32 (0%)	1/37 (3%)	0/32 (0%)
FIRST INCIDENCE	730 (T)	---	730 (T)	---

**STATISTICAL TESTS**

POLY 3	P=0.409N	P=0.497N	P=0.752N	P=0.506N
POLY 1.5	P=0.407N	P=0.497N	P=0.756N	P=0.504N
POLY 6	P=0.408N	P=0.497N	P=0.748N	P=0.507N
COCH-ARM / FISHERS	P=0.402N	P=0.495N	P=0.753N	P=0.495N
MAX-ISO-POLY-3	P=0.269N	P=0.157N	P=0.489N	P=0.167N

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 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

---

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

---

**Gallbladder  
 Inflammation**

**LESION RATES**

OVERALL (a)	0/49 (0%)	0/50 (0%)	0/49 (0%)	2/50 (4%)
POLY-3 RATE (b)	0/43.54	0/44.20	0/45.18	2/42.27
POLY-3 PERCENT (g)	0%	0%	0%	4.7%
TERMINAL (d)	0/32 (0%)	0/32 (0%)	0/37 (0%)	2/32 (6%)
FIRST INCIDENCE	---	---	---	730 (T)

**STATISTICAL TESTS**

POLY 3	P=0.045*	(e)	(e)	P=0.230
POLY 1.5	P=0.045*	(e)	(e)	P=0.233
POLY 6	P=0.045*	(e)	(e)	P=0.229
COCH-ARM / FISHERS	P=0.047*	(e)	(e)	P=0.253
MAX-ISO-POLY-3	P=0.033*	(e)	(e)	P=0.077

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 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 NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

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

**Harderian Gland  
 Hyperplasia**

**LESION RATES**

OVERALL (a)	0/50 (0%)	2/50 (4%)	1/50 (2%)	1/50 (2%)
POLY-3 RATE (b)	0/43.85	2/44.20	1/46.18	1/42.27
POLY-3 PERCENT (g)	0%	4.5%	2.2%	2.4%
TERMINAL (d)	0/32 (0%)	2/32 (6%)	1/38 (3%)	1/32 (3%)
FIRST INCIDENCE	---	730 (T)	730 (T)	730 (T)

**STATISTICAL TESTS**

POLY 3	P=0.484	P=0.239	P=0.510	P=0.493
POLY 1.5	P=0.487	P=0.238	P=0.506	P=0.494
POLY 6	P=0.485	P=0.239	P=0.516	P=0.493
COCH-ARM / FISHERS	P=0.500	P=0.247	P=0.500	P=0.500
MAX-ISO-POLY-3	P=0.293	P=0.077	P=0.172	P=0.158

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 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 NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

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

---

**Heart  
 Cardiomyopathy**

**LESION RATES**

OVERALL (a)	42/50 (84%)	43/50 (86%)	45/50 (90%)	41/50 (82%)
POLY-3 RATE (b)	42/47.32	43/46.93	45/48.15	41/45.89
POLY-3 PERCENT (g)	88.8%	91.6%	93.5%	89.4%
TERMINAL (d)	30/32 (94%)	30/32 (94%)	38/38 (100%)	30/32 (94%)
FIRST INCIDENCE	562	562	554	417

**STATISTICAL TESTS**

POLY 3	P=0.552	P=0.447	P=0.309	P=0.604
POLY 1.5	P=0.556N	P=0.463	P=0.304	P=0.623
POLY 6	P=0.509	P=0.435	P=0.302	P=0.573
COCH-ARM / FISHERS	P=0.433N	P=0.500	P=0.277	P=0.500N
MAX-ISO-POLY-3	P=0.489	P=0.303	P=0.186	P=0.459

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 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 NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

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

**Heart  
 Inflammation**

**LESION RATES**

OVERALL (a)	0/50 (0%)	2/50 (4%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/43.85	2/45.21	0/46.18	0/42.27
POLY-3 PERCENT (g)	0%	4.4%	0%	0%
TERMINAL (d)	0/32 (0%)	0/32 (0%)	0/38 (0%)	0/32 (0%)
FIRST INCIDENCE	---	269	---	---

**STATISTICAL TESTS**

POLY 3	P=0.402N	P=0.244	(e)	(e)
POLY 1.5	P=0.404N	P=0.242	(e)	(e)
POLY 6	P=0.398N	P=0.246	(e)	(e)
COCH-ARM / FISHERS	P=0.405N	P=0.247	(e)	(e)
MAX-ISO-POLY-3	P=0.272N	P=0.082	(e)	(e)

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 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 NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

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

---

**Heart  
 Mineralization**

**LESION RATES**

OVERALL (a)	1/50 (2%)	0/50 (0%)	1/50 (2%)	0/50 (0%)
POLY-3 RATE (b)	1/44.37	0/44.20	1/46.38	0/42.27
POLY-3 PERCENT (g)	2.3%	0%	2.2%	0%
TERMINAL (d)	0/32 (0%)	0/32 (0%)	0/38 (0%)	0/32 (0%)
FIRST INCIDENCE	571	---	679	---

**STATISTICAL TESTS**

POLY 3	P=0.411N	P=0.501N	P=0.751N	P=0.510N
POLY 1.5	P=0.410N	P=0.501N	P=0.754N	P=0.507N
POLY 6	P=0.411N	P=0.501N	P=0.746N	P=0.511N
COCH-ARM / FISHERS	P=0.405N	P=0.500N	P=0.753N	P=0.500N
MAX-ISO-POLY-3	P=0.274N	P=0.159N	P=0.487N	P=0.171N

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 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 NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

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

---

**Heart: Artery  
 Inflammation**

**LESION RATES**

OVERALL (a)	0/50 (0%)	3/50 (6%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/43.85	3/45.58	0/46.18	0/42.27
POLY-3 PERCENT (g)	0%	6.6%	0%	0%
TERMINAL (d)	0/32 (0%)	0/32 (0%)	0/38 (0%)	0/32 (0%)
FIRST INCIDENCE	---	269	---	---

**STATISTICAL TESTS**

POLY 3	P=0.307N	P=0.126	(e)	(e)
POLY 1.5	P=0.309N	P=0.123	(e)	(e)
POLY 6	P=0.302N	P=0.128	(e)	(e)
COCH-ARM / FISHERS	P=0.311N	P=0.121	(e)	(e)
MAX-ISO-POLY-3	P=0.188N	P=0.044*	(e)	(e)

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 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 NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

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

---

Heart: Valve  
 Thrombosis

**LESION RATES**

OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/43.85	0/44.20	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	---	---	---	---

**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)

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 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 NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

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

**Intestine Small, Jejunum: Peyer's Patch  
 Hyperplasia**

**LESION RATES**

OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	2/50 (4%)
POLY-3 RATE (b)	0/43.85	0/44.20	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)

**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

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 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 NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

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

---

**Islets, Pancreatic  
 Hyperplasia**

**LESION RATES**

OVERALL (a)	38/50 (76%)	38/50 (76%)	38/50 (76%)	40/50 (80%)
POLY-3 RATE (b)	38/47.76	38/48.63	38/48.65	40/47.58
POLY-3 PERCENT (g)	79.6%	78.1%	78.1%	84.1%
TERMINAL (d)	27/32 (84%)	26/32 (81%)	30/38 (79%)	29/32 (91%)
FIRST INCIDENCE	339	269	486	417

**STATISTICAL TESTS**

POLY 3	P=0.300	P=0.532N	P=0.531N	P=0.375
POLY 1.5	P=0.289	P=0.558N	P=0.560N	P=0.355
POLY 6	P=0.318	P=0.500N	P=0.481N	P=0.403
COCH-ARM / FISHERS	P=0.345	P=0.592N	P=0.592N	P=0.405
MAX-ISO-POLY-3	P=0.399	P=0.429N	P=0.427N	P=0.277

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 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 NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

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

**Kidney  
 Cyst**

**LESION RATES**

OVERALL (a)	9/50 (18%)	6/50 (12%)	7/50 (14%)	7/50 (14%)
POLY-3 RATE (b)	9/44.69	6/44.64	7/47.46	7/43.47
POLY-3 PERCENT (g)	20.1%	13.4%	14.8%	16.1%
TERMINAL (d)	7/32 (22%)	4/32 (13%)	5/38 (13%)	4/32 (13%)
FIRST INCIDENCE	578	668	486	558

**STATISTICAL TESTS**

POLY 3	P=0.419N	P=0.287N	P=0.342N	P=0.415N
POLY 1.5	P=0.421N	P=0.288N	P=0.361N	P=0.414N
POLY 6	P=0.412N	P=0.285N	P=0.321N	P=0.410N
COCH-ARM / FISHERS	P=0.406N	P=0.288N	P=0.393N	P=0.393N
MAX-ISO-POLY-3	P=0.406N	P=0.199N	P=0.255N	P=0.314N

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 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 NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

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

---

**Kidney  
 Hydronephrosis**

**LESION RATES**

OVERALL (a)	2/50 (4%)	2/50 (4%)	3/50 (6%)	3/50 (6%)
POLY-3 RATE (b)	2/43.99	2/44.41	3/46.18	3/42.27
POLY-3 PERCENT (g)	4.6%	4.5%	6.5%	7.1%
TERMINAL (d)	1/32 (3%)	1/32 (3%)	3/38 (8%)	3/32 (9%)
FIRST INCIDENCE	695	675	730 (T)	730 (T)

**STATISTICAL TESTS**

POLY 3	P=0.351	P=0.691N	P=0.522	P=0.482
POLY 1.5	P=0.355	P=0.692N	P=0.514	P=0.485
POLY 6	P=0.349	P=0.689N	P=0.533	P=0.480
COCH-ARM / FISHERS	P=0.371	P=0.691N	P=0.500	P=0.500
MAX-ISO-POLY-3	P=0.494	P=0.495N	P=0.347	P=0.311

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 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 NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

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

**Kidney  
 Infarct**

**LESION RATES**

OVERALL (a)	1/50 (2%)	0/50 (0%)	1/50 (2%)	4/50 (8%)
POLY-3 RATE (b)	1/43.85	0/44.20	1/46.18	4/42.32
POLY-3 PERCENT (g)	2.3%	0%	2.2%	9.5%
TERMINAL (d)	1/32 (3%)	0/32 (0%)	1/38 (3%)	3/32 (9%)
FIRST INCIDENCE	730 (T)	---	730 (T)	718

**STATISTICAL TESTS**

POLY 3	P=0.031*	P=0.498N	P=0.749N	P=0.167
POLY 1.5	P=0.032*	P=0.499N	P=0.753N	P=0.169
POLY 6	P=0.031*	P=0.498N	P=0.743N	P=0.167
COCH-ARM / FISHERS	P=0.034*	P=0.500N	P=0.753N	P=0.181
MAX-ISO-POLY-3	P=0.028*	P=0.158N	P=0.485N	P=0.080

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 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 NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

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

---

**Kidney  
 Inflammation**

**LESION RATES**

OVERALL (a)	2/50 (4%)	2/50 (4%)	1/50 (2%)	1/50 (2%)
POLY-3 RATE (b)	2/43.85	2/44.43	1/46.18	1/42.32
POLY-3 PERCENT (g)	4.6%	4.5%	2.2%	2.4%
TERMINAL (d)	2/32 (6%)	1/32 (3%)	1/38 (3%)	0/32 (0%)
FIRST INCIDENCE	730 (T)	668	730 (T)	718

**STATISTICAL TESTS**

POLY 3	P=0.344N	P=0.689N	P=0.482N	P=0.512N
POLY 1.5	P=0.344N	P=0.692N	P=0.489N	P=0.511N
POLY 6	P=0.342N	P=0.686N	P=0.473N	P=0.512N
COCH-ARM / FISHERS	P=0.337N	P=0.691N	P=0.500N	P=0.500N
MAX-ISO-POLY-3	P=0.457N	P=0.494N	P=0.270N	P=0.294N

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 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 NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

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

**Kidney  
 Metaplasia Osseous**

**LESION RATES**

OVERALL (a)	0/50 (0%)	0/50 (0%)	2/50 (4%)	0/50 (0%)
POLY-3 RATE (b)	0/43.85	0/44.20	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)	---

**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)

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 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 NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

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

**Kidney  
 Mineralization**

**LESION RATES**

OVERALL (a)	0/50 (0%)	0/50 (0%)	2/50 (4%)	0/50 (0%)
POLY-3 RATE (b)	0/43.85	0/44.20	2/46.72	0/42.27
POLY-3 PERCENT (g)	0%	0%	4.3%	0%
TERMINAL (d)	0/32 (0%)	0/32 (0%)	0/38 (0%)	0/32 (0%)
FIRST INCIDENCE	---	---	637	---

**STATISTICAL TESTS**

POLY 3	P=0.568	(e)	P=0.252	(e)
POLY 1.5	P=0.574	(e)	P=0.246	(e)
POLY 6	P=0.564	(e)	P=0.260	(e)
COCH-ARM / FISHERS	P=0.595	(e)	P=0.247	(e)
MAX-ISO-POLY-3	P=0.271	(e)	P=0.090	(e)

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 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 NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

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

---

**Kidney  
 Nephropathy**

**LESION RATES**

OVERALL (a)	48/50 (96%)	47/50 (94%)	48/50 (96%)	47/50 (94%)
POLY-3 RATE (b)	48/49.02	47/47.91	48/49.44	47/48.19
POLY-3 PERCENT (g)	97.9%	98.1%	97.1%	97.5%
TERMINAL (d)	32/32 (100%)	32/32 (100%)	37/38 (97%)	31/32 (97%)
FIRST INCIDENCE	492	542	486	429

**STATISTICAL TESTS**

POLY 3	P=0.559N	P=0.793	P=0.661N	P=0.723N
POLY 1.5	P=0.586N	P=0.698N	P=0.656N	P=0.709N
POLY 6	P=0.522N	P=0.726	P=0.694N	P=0.730N
COCH-ARM / FISHERS	P=0.456N	P=0.500N	P=0.691N	P=0.500N
MAX-ISO-POLY-3	P=0.622N	P=0.467	P=0.387N	P=0.445N

---

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 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 NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

---

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

---

**Kidney: Artery  
 Inflammation**

**LESION RATES**

OVERALL (a)	0/50 (0%)	2/50 (4%)	1/50 (2%)	0/50 (0%)
POLY-3 RATE (b)	0/43.85	2/44.43	1/46.25	0/42.27
POLY-3 PERCENT (g)	0%	4.5%	2.2%	0%
TERMINAL (d)	0/32 (0%)	1/32 (3%)	0/38 (0%)	0/32 (0%)
FIRST INCIDENCE	---	668	714	---

**STATISTICAL TESTS**

POLY 3	P=0.469N	P=0.240	P=0.511	(e)
POLY 1.5	P=0.469N	P=0.239	P=0.506	(e)
POLY 6	P=0.467N	P=0.242	P=0.516	(e)
COCH-ARM / FISHERS	P=0.461N	P=0.247	P=0.500	(e)
MAX-ISO-POLY-3	P=0.348N	P=0.079	P=0.172	(e)

---



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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 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 NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

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

**Kidney: Renal Tubule  
 Hyperplasia**

**LESION RATES**

OVERALL (a)	0/50 (0%)	2/50 (4%)	2/50 (4%)	0/50 (0%)
POLY-3 RATE (b)	0/43.85	2/44.20	2/46.18	0/42.27
POLY-3 PERCENT (g)	0%	4.5%	4.3%	0%
TERMINAL (d)	0/32 (0%)	2/32 (6%)	2/38 (5%)	0/32 (0%)
FIRST INCIDENCE	---	730 (T)	730 (T)	---

**STATISTICAL TESTS**

POLY 3	P=0.516N	P=0.239	P=0.249	(e)
POLY 1.5	P=0.513N	P=0.238	P=0.244	(e)
POLY 6	P=0.515N	P=0.239	P=0.255	(e)
COCH-ARM / FISHERS	P=0.500N	P=0.247	P=0.247	(e)
MAX-ISO-POLY-3	P=0.292	P=0.077	P=0.087	(e)

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 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 NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

---

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

---

Liver  
 Angiectasis

**LESION RATES**

OVERALL (a)	1/50 (2%)	1/50 (2%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	1/43.85	1/44.40	0/46.18	0/42.27
POLY-3 PERCENT (g)	2.3%	2.3%	0%	0%
TERMINAL (d)	1/32 (3%)	0/32 (0%)	0/38 (0%)	0/32 (0%)
FIRST INCIDENCE	730 (T)	676	---	---

**STATISTICAL TESTS**

POLY 3	P=0.234N	P=0.758N	P=0.490N	P=0.507N
POLY 1.5	P=0.236N	P=0.759N	P=0.494N	P=0.506N
POLY 6	P=0.233N	P=0.756N	P=0.484N	P=0.507N
COCH-ARM / FISHERS	P=0.236N	P=0.753N	P=0.500N	P=0.500N
MAX-ISO-POLY-3	P=0.270N	P=0.496N	P=0.158N	P=0.168N

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 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 NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

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

Liver  
 Basophilic Focus

**LESION RATES**

OVERALL (a)	3/50 (6%)	3/50 (6%)	4/50 (8%)	1/50 (2%)
POLY-3 RATE (b)	3/44.79	3/44.52	4/46.18	1/42.27
POLY-3 PERCENT (g)	6.7%	6.7%	8.7%	2.4%
TERMINAL (d)	1/32 (3%)	2/32 (6%)	4/38 (11%)	1/32 (3%)
FIRST INCIDENCE	562	641	730 (T)	730 (T)

**STATISTICAL TESTS**

POLY 3	P=0.273N	P=0.660	P=0.517	P=0.326N
POLY 1.5	P=0.267N	P=0.660	P=0.511	P=0.321N
POLY 6	P=0.278N	P=0.659	P=0.524	P=0.331N
COCH-ARM / FISHERS	P=0.248N	P=0.661N	P=0.500	P=0.309N
MAX-ISO-POLY-3	P=0.284N	P=0.496	P=0.365	P=0.175N

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 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 NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

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

---

Liver  
 Clear Cell Focus

**LESION RATES**

OVERALL (a)	11/50 (22%)	21/50 (42%)	21/50 (42%)	16/50 (32%)
POLY-3 RATE (b)	11/44.20	21/44.73	21/46.38	16/42.27
POLY-3 PERCENT (g)	24.9%	47%	45.3%	37.9%
TERMINAL (d)	9/32 (28%)	19/32 (59%)	20/38 (53%)	16/32 (50%)
FIRST INCIDENCE	673	641	678	730 (T)

**STATISTICAL TESTS**

POLY 3	P=0.223	P=0.022*	P=0.032*	P=0.139
POLY 1.5	P=0.240	P=0.023*	P=0.029*	P=0.150
POLY 6	P=0.209	P=0.021*	P=0.036*	P=0.130
COCH-ARM / FISHERS	P=0.299	P=0.026*	P=0.026*	P=0.184
MAX-ISO-POLY-3	P=0.061	P=0.013*	P=0.021*	P=0.098

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 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 NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

---

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

---

Liver  
 Eosinophilic Focus

**LESION RATES**

OVERALL (a)	17/50 (34%)	16/50 (32%)	18/50 (36%)	21/50 (42%)
POLY-3 RATE (b)	17/44.05	16/45.62	18/47.11	21/42.89
POLY-3 PERCENT (g)	38.6%	35.1%	38.2%	49%
TERMINAL (d)	15/32 (47%)	11/32 (34%)	16/38 (42%)	16/32 (50%)
FIRST INCIDENCE	696	609	549	617

**STATISTICAL TESTS**

POLY 3	P=0.144	P=0.449N	P=0.571N	P=0.220
POLY 1.5	P=0.152	P=0.474N	P=0.560	P=0.227
POLY 6	P=0.142	P=0.413N	P=0.521N	P=0.223
COCH-ARM / FISHERS	P=0.185	P=0.500N	P=0.500	P=0.268
MAX-ISO-POLY-3	P=0.205	P=0.365N	P=0.485N	P=0.164

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 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 NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

---

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

---

**Liver  
 Inflammation**

**LESION RATES**

OVERALL (a)	8/50 (16%)	4/50 (8%)	7/50 (14%)	3/50 (6%)
POLY-3 RATE (b)	8/44.90	4/44.20	7/46.53	3/42.27
POLY-3 PERCENT (g)	17.8%	9.1%	15%	7.1%
TERMINAL (d)	5/32 (16%)	4/32 (13%)	6/38 (16%)	3/32 (9%)
FIRST INCIDENCE	571	730 (T)	632	730 (T)

**STATISTICAL TESTS**

POLY 3	P=0.144N	P=0.183N	P=0.470N	P=0.117N
POLY 1.5	P=0.140N	P=0.181N	P=0.481N	P=0.112N
POLY 6	P=0.146N	P=0.188N	P=0.457N	P=0.122N
COCH-ARM / FISHERS	P=0.126N	P=0.178N	P=0.500N	P=0.100N
MAX-ISO-POLY-3	P=0.112N	P=0.114N	P=0.362N	P=0.070N

---

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 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 NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

---

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

---

Liver  
 Mixed Cell Focus

**LESION RATES**

OVERALL (a)	8/50 (16%)	6/50 (12%)	5/50 (10%)	5/50 (10%)
POLY-3 RATE (b)	8/44.42	6/44.68	5/46.49	5/42.71
POLY-3 PERCENT (g)	18%	13.4%	10.8%	11.7%
TERMINAL (d)	6/32 (19%)	4/32 (13%)	4/38 (11%)	3/32 (9%)
FIRST INCIDENCE	578	609	646	651

**STATISTICAL TESTS**

POLY 3	P=0.247N	P=0.381N	P=0.246N	P=0.300N
POLY 1.5	P=0.246N	P=0.385N	P=0.258N	P=0.297N
POLY 6	P=0.243N	P=0.377N	P=0.231N	P=0.299N
COCH-ARM / FISHERS	P=0.231N	P=0.387N	P=0.277N	P=0.277N
MAX-ISO-POLY-3	P=0.297N	P=0.278N	P=0.168N	P=0.210N

---

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 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 NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

---

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

---

Liver  
 Tension Lipidosis

**LESION RATES**

OVERALL (a)	2/50 (4%)	3/50 (6%)	3/50 (6%)	1/50 (2%)
POLY-3 RATE (b)	2/43.98	3/44.61	3/46.38	1/42.27
POLY-3 PERCENT (g)	4.6%	6.7%	6.5%	2.4%
TERMINAL (d)	1/32 (3%)	1/32 (3%)	2/38 (5%)	1/32 (3%)
FIRST INCIDENCE	696	675	678	730 (T)

**STATISTICAL TESTS**

POLY 3	P=0.361N	P=0.506	P=0.524	P=0.514N
POLY 1.5	P=0.359N	P=0.503	P=0.515	P=0.511N
POLY 6	P=0.362N	P=0.511	P=0.537	P=0.515N
COCH-ARM / FISHERS	P=0.343N	P=0.500	P=0.500	P=0.500N
MAX-ISO-POLY-3	P=0.379N	P=0.330	P=0.349	P=0.296N

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 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 NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

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

Liver: Hepatocyte  
 Necrosis

**LESION RATES**

OVERALL (a)	3/50 (6%)	4/50 (8%)	4/50 (8%)	1/50 (2%)
POLY-3 RATE (b)	3/44.37	4/45.06	4/47.39	1/42.27
POLY-3 PERCENT (g)	6.8%	8.9%	8.4%	2.4%
TERMINAL (d)	2/32 (6%)	1/32 (3%)	1/38 (3%)	1/32 (3%)
FIRST INCIDENCE	571	609	554	730 (T)

**STATISTICAL TESTS**

POLY 3	P=0.231N	P=0.508	P=0.536	P=0.323N
POLY 1.5	P=0.227N	P=0.504	P=0.521	P=0.319N
POLY 6	P=0.233N	P=0.515	P=0.555	P=0.325N
COCH-ARM / FISHERS	P=0.210N	P=0.500	P=0.500	P=0.309N
MAX-ISO-POLY-3	P=0.252N	P=0.356	P=0.384	P=0.172N

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 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 NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

---

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

---

Liver: Hepatocyte  
 Vacuolization Cytoplasmic Diffuse

**LESION RATES**

OVERALL (a)	12/50 (24%)	15/50 (30%)	11/50 (22%)	17/50 (34%)
POLY-3 RATE (b)	12/46.04	15/46.95	11/46.73	17/45.14
POLY-3 PERCENT (g)	26.1%	32%	23.5%	37.7%
TERMINAL (d)	6/32 (19%)	6/32 (19%)	9/38 (24%)	11/32 (34%)
FIRST INCIDENCE	339	539	632	483

**STATISTICAL TESTS**

POLY 3	P=0.179	P=0.346	P=0.484N	P=0.166
POLY 1.5	P=0.180	P=0.333	P=0.491N	P=0.165
POLY 6	P=0.183	P=0.369	P=0.471N	P=0.174
COCH-ARM / FISHERS	P=0.203	P=0.326	P=0.500N	P=0.189
MAX-ISO-POLY-3	P=0.184	P=0.268	P=0.388N	P=0.118

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 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 NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

---

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

---

**Lung  
 Congestion**

**LESION RATES**

OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/43.85	0/44.20	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	---	---	---	---

**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)

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 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 NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

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

**Lung  
 Hemorrhage**

**LESION RATES**

OVERALL (a)	1/50 (2%)	0/50 (0%)	2/50 (4%)	0/50 (0%)
POLY-3 RATE (b)	1/43.85	0/44.20	2/46.38	0/42.27
POLY-3 PERCENT (g)	2.3%	0%	4.3%	0%
TERMINAL (d)	1/32 (3%)	0/32 (0%)	1/38 (3%)	0/32 (0%)
FIRST INCIDENCE	730 (T)	---	679	---

**STATISTICAL TESTS**

POLY 3	P=0.474N	P=0.498N	P=0.520	P=0.507N
POLY 1.5	P=0.472N	P=0.499N	P=0.512	P=0.506N
POLY 6	P=0.475N	P=0.498N	P=0.530	P=0.507N
COCH-ARM / FISHERS	P=0.461N	P=0.500N	P=0.500	P=0.500N
MAX-ISO-POLY-3	P=0.346N	P=0.158N	P=0.302	P=0.168N

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 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 NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

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

**Lung  
 Inflammation**

**LESION RATES**

OVERALL (a)	4/50 (8%)	2/50 (4%)	2/50 (4%)	1/50 (2%)
POLY-3 RATE (b)	4/44.39	2/44.21	2/46.18	1/42.27
POLY-3 PERCENT (g)	9%	4.5%	4.3%	2.4%
TERMINAL (d)	3/32 (9%)	1/32 (3%)	2/38 (5%)	1/32 (3%)
FIRST INCIDENCE	562	728	730 (T)	730 (T)

**STATISTICAL TESTS**

POLY 3	P=0.144N	P=0.339N	P=0.319N	P=0.193N
POLY 1.5	P=0.143N	P=0.339N	P=0.326N	P=0.190N
POLY 6	P=0.144N	P=0.339N	P=0.310N	P=0.195N
COCH-ARM / FISHERS	P=0.137N	P=0.339N	P=0.339N	P=0.181N
MAX-ISO-POLY-3	P=0.138N	P=0.202N	P=0.191N	P=0.098N

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 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 NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

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

**Lung  
 Thrombosis**

**LESION RATES**

OVERALL (a)	1/50 (2%)	0/50 (0%)	2/50 (4%)	1/50 (2%)
POLY-3 RATE (b)	1/44.37	0/44.20	2/46.73	1/42.27
POLY-3 PERCENT (g)	2.3%	0%	4.3%	2.4%
TERMINAL (d)	0/32 (0%)	0/32 (0%)	0/38 (0%)	1/32 (3%)
FIRST INCIDENCE	571	---	632	730 (T)

**STATISTICAL TESTS**

POLY 3	P=0.478	P=0.501N	P=0.518	P=0.750
POLY 1.5	P=0.483	P=0.501N	P=0.511	P=0.752
POLY 6	P=0.475	P=0.501N	P=0.528	P=0.749
COCH-ARM / FISHERS	P=0.500	P=0.500N	P=0.500	P=0.753N
MAX-ISO-POLY-3	P=0.403	P=0.159N	P=0.300	P=0.486

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 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 NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

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

**Lung: Alveolar Epithelium  
 Hyperplasia**

**LESION RATES**

OVERALL (a)	3/50 (6%)	1/50 (2%)	6/50 (12%)	0/50 (0%)
POLY-3 RATE (b)	3/44.07	1/44.36	6/46.49	0/42.27
POLY-3 PERCENT (g)	6.8%	2.3%	12.9%	0%
TERMINAL (d)	2/32 (6%)	0/32 (0%)	5/38 (13%)	0/32 (0%)
FIRST INCIDENCE	673	689	646	---

**STATISTICAL TESTS**

POLY 3	P=0.242N	P=0.303N	P=0.269	P=0.126N
POLY 1.5	P=0.237N	P=0.304N	P=0.259	P=0.125N
POLY 6	P=0.245N	P=0.301N	P=0.283	P=0.126N
COCH-ARM / FISHERS	P=0.221N	P=0.309N	P=0.243	P=0.121N
MAX-ISO-POLY-3	P=0.112N	P=0.153N	P=0.174	P=0.044N*

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 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 NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

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

---

**Lung: Alveolus  
 Infiltration Cellular Histiocyte**

**LESION RATES**

OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	1/50 (2%)
POLY-3 RATE (b)	0/43.85	0/44.20	0/46.18	1/42.27
POLY-3 PERCENT (g)	0%	0%	0%	2.4%
TERMINAL (d)	0/32 (0%)	0/32 (0%)	0/38 (0%)	1/32 (3%)
FIRST INCIDENCE	---	---	---	730 (T)

**STATISTICAL TESTS**

POLY 3	P=0.194	(e)	(e)	P=0.493
POLY 1.5	P=0.195	(e)	(e)	P=0.494
POLY 6	P=0.194	(e)	(e)	P=0.493
COCH-ARM / FISHERS	P=0.198	(e)	(e)	P=0.500
MAX-ISO-POLY-3	P=0.123	(e)	(e)	P=0.158

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
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 NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
TERMINAL SACRIFICE AT 105 WEEKS**

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

---

**Lymph Node, Mandibular  
Infiltration Cellular Histiocyte**

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**LESION RATES**

OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/43.85	0/44.20	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	---	---	---	---

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**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)

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 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 NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

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

**Lymph Node, Mesenteric  
 Infiltration Cellular Histiocyte**

**LESION RATES**

OVERALL (a)	0/50 (0%)	0/49 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/43.85	0/43.62	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	---	---	---	---

**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)

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 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 NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

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

**Lymph Node, Mesenteric  
 Inflammation**

**LESION RATES**

OVERALL (a)	0/50 (0%)	0/49 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/43.85	0/43.62	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	---	---	---	---

**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)

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
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 NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
TERMINAL SACRIFICE AT 105 WEEKS**

---

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

---

Lymph Node: Renal Hemorrhage

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**LESION RATES**

OVERALL (a)	0/2 (0%)	0/2 (0%)	0/2 (0%)	0/1 (0%)
POLY-3 RATE (b)	0/1.68	0/1.79	0/1.13	0/1.00
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/0 (0%)	0/1 (0%)	0/0 (0%)	0/1 (0%)
FIRST INCIDENCE	---	---	---	---

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**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)

---

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 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 NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

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

**Mammary Gland  
 Hyperplasia Focal**

**LESION RATES**

OVERALL (a)	0/1 (0%)	0/0 (0%)	0/1 (0%)	0/0 (0%)
POLY-3 RATE (b)	0/0.66	0/0.00	0/0.66	0/0.00
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)
FIRST INCIDENCE	---	---	---	---

**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)

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 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 NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

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

**Mesentery  
 Necrosis**

**LESION RATES**

OVERALL (a)	2/3 (67%)	2/4 (50%)	4/6 (67%)	0/0 (0%)
POLY-3 RATE (b)	2/3.00	2/3.79	4/5.36	0/0.00
POLY-3 PERCENT (g)	66.7%	52.7%	74.7%	0%
TERMINAL (d)	1/2 (50%)	1/2 (50%)	4/4 (100%)	0/0 (0%)
FIRST INCIDENCE	578	542	730 (T)	---

**STATISTICAL TESTS**

POLY 3	(e)	P=0.642N	P=0.704	(e)
POLY 1.5	(e)	P=0.627N	P=0.726	(e)
POLY 6	(e)	P=0.668N	P=0.655	(e)
COCH-ARM / FISHERS	P=0.727	P=0.629N	P=0.762	(e)
MAX-ISO-POLY-3	(e)	P=0.378N	P=0.413	(e)

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 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 NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

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

---

**Nose  
 Inflammation**

**LESION RATES**

OVERALL (a)	6/50 (12%)	5/49 (10%)	7/49 (14%)	6/50 (12%)
POLY-3 RATE (b)	6/44.53	5/44.25	7/46.04	6/43.62
POLY-3 PERCENT (g)	13.5%	11.3%	15.2%	13.8%
TERMINAL (d)	4/32 (13%)	2/32 (6%)	4/38 (11%)	3/32 (9%)
FIRST INCIDENCE	562	668	549	417

**STATISTICAL TESTS**

POLY 3	P=0.486	P=0.504N	P=0.526	P=0.607
POLY 1.5	P=0.487	P=0.509N	P=0.510	P=0.607
POLY 6	P=0.488	P=0.498N	P=0.547	P=0.609
COCH-ARM / FISHERS	P=0.504	P=0.514N	P=0.484	P=0.620N
MAX-ISO-POLY-3	P=0.608	P=0.377N	P=0.408	P=0.484

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 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 NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

---

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

---

**Nose**  
**Polyp, Inflammatory**

**LESION RATES**

OVERALL (a)	0/50 (0%)	3/49 (6%)	0/49 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/43.85	3/44.03	0/45.20	0/42.27
POLY-3 PERCENT (g)	0%	6.8%	0%	0%
TERMINAL (d)	0/32 (0%)	2/32 (6%)	0/38 (0%)	0/32 (0%)
FIRST INCIDENCE	---	668	---	---

**STATISTICAL TESTS**

POLY 3	P=0.309N	P=0.119	(e)	(e)
POLY 1.5	P=0.311N	P=0.117	(e)	(e)
POLY 6	P=0.304N	P=0.121	(e)	(e)
COCH-ARM / FISHERS	P=0.311N	P=0.117	(e)	(e)
MAX-ISO-POLY-3	P=0.183N	P=0.039*	(e)	(e)

---



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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 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 NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

---

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

---

**Pancreas  
 Basophilic Focus**

**LESION RATES**

OVERALL (a)	1/50 (2%)	1/50 (2%)	1/50 (2%)	0/50 (0%)
POLY-3 RATE (b)	1/43.85	1/44.20	1/46.18	0/42.27
POLY-3 PERCENT (g)	2.3%	2.3%	2.2%	0%
TERMINAL (d)	1/32 (3%)	1/32 (3%)	1/38 (3%)	0/32 (0%)
FIRST INCIDENCE	730 (T)	730 (T)	730 (T)	---

**STATISTICAL TESTS**

POLY 3	P=0.319N	P=0.759N	P=0.749N	P=0.507N
POLY 1.5	P=0.318N	P=0.760N	P=0.753N	P=0.506N
POLY 6	P=0.317N	P=0.758N	P=0.743N	P=0.507N
COCH-ARM / FISHERS	P=0.311N	P=0.753N	P=0.753N	P=0.500N
MAX-ISO-POLY-3	P=0.348N	P=0.497N	P=0.485N	P=0.168N

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 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 NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

---

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

---

**Pancreas  
 Infiltration Cellular**

**LESION RATES**

OVERALL (a)	1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	1/43.85	0/44.20	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)	---	---	---

**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

---

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 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 NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

---

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

---

**Pancreas  
 Inflammation**

**LESION RATES**

OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/43.85	0/44.20	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	---	---	---	---

**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)

---

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 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 NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

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

---

Pancreas: Acinus  
 Hyperplasia

**LESION RATES**

OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/43.85	0/44.20	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	---	---	---	---

**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)

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 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 NON-NEOPLASTIC LESIONS 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  
 Cyst**

**LESION RATES**

OVERALL (a)	2/50 (4%)	1/50 (2%)	1/50 (2%)	5/50 (10%)
POLY-3 RATE (b)	2/44.13	1/44.20	1/46.18	5/42.27
POLY-3 PERCENT (g)	4.5%	2.3%	2.2%	11.8%
TERMINAL (d)	1/32 (3%)	1/32 (3%)	1/38 (3%)	5/32 (16%)
FIRST INCIDENCE	653	730 (T)	730 (T)	730 (T)

**STATISTICAL TESTS**

POLY 3	P=0.070	P=0.500N	P=0.484N	P=0.198
POLY 1.5	P=0.070	P=0.500N	P=0.490N	P=0.202
POLY 6	P=0.070	P=0.500N	P=0.477N	P=0.195
COCH-ARM / FISHERS	P=0.075	P=0.500N	P=0.500N	P=0.218
MAX-ISO-POLY-3	P=0.053	P=0.280N	P=0.272N	P=0.111

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 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 NON-NEOPLASTIC LESIONS 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  
 Hyperplasia**

**LESION RATES**

OVERALL (a)	3/50 (6%)	4/50 (8%)	2/50 (4%)	3/50 (6%)
POLY-3 RATE (b)	3/43.98	4/44.28	2/46.18	3/43.27
POLY-3 PERCENT (g)	6.8%	9%	4.3%	6.9%
TERMINAL (d)	2/32 (6%)	3/32 (9%)	2/38 (5%)	2/32 (6%)
FIRST INCIDENCE	696	708	730 (T)	18

**STATISTICAL TESTS**

POLY 3	P=0.503N	P=0.504	P=0.478N	P=0.655
POLY 1.5	P=0.502N	P=0.502	P=0.486N	P=0.658
POLY 6	P=0.501N	P=0.506	P=0.467N	P=0.655
COCH-ARM / FISHERS	P=0.500N	P=0.500	P=0.500N	P=0.661N
MAX-ISO-POLY-3	P=0.532N	P=0.350	P=0.308N	P=0.491

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 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 NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

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

---

**Preputial Gland  
 Inflammation**

**LESION RATES**

OVERALL (a)	5/50 (10%)	6/50 (12%)	4/50 (8%)	8/50 (16%)
POLY-3 RATE (b)	5/44.25	6/44.52	4/46.18	8/42.27
POLY-3 PERCENT (g)	11.3%	13.5%	8.7%	18.9%
TERMINAL (d)	4/32 (13%)	4/32 (13%)	4/38 (11%)	8/32 (25%)
FIRST INCIDENCE	617	676	730 (T)	730 (T)

**STATISTICAL TESTS**

POLY 3	P=0.216	P=0.504	P=0.473N	P=0.245
POLY 1.5	P=0.221	P=0.502	P=0.483N	P=0.252
POLY 6	P=0.213	P=0.508	P=0.461N	P=0.239
COCH-ARM / FISHERS	P=0.238	P=0.500	P=0.500N	P=0.277
MAX-ISO-POLY-3	P=0.239	P=0.377	P=0.341N	P=0.166

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 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 NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

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

---

**Preputial Gland: Duct  
 Ectasia**

**LESION RATES**

OVERALL (a)	9/50 (18%)	7/50 (14%)	6/50 (12%)	12/50 (24%)
POLY-3 RATE (b)	9/44.15	7/46.30	6/46.20	12/42.92
POLY-3 PERCENT (g)	20.4%	15.1%	13%	28%
TERMINAL (d)	7/32 (22%)	2/32 (6%)	5/38 (13%)	10/32 (31%)
FIRST INCIDENCE	666	539	726	614

**STATISTICAL TESTS**

POLY 3	P=0.177	P=0.352N	P=0.254N	P=0.282
POLY 1.5	P=0.183	P=0.370N	P=0.267N	P=0.286
POLY 6	P=0.174	P=0.331N	P=0.239N	P=0.284
COCH-ARM / FISHERS	P=0.204	P=0.393N	P=0.288N	P=0.312
MAX-ISO-POLY-3	P=0.132	P=0.262N	P=0.178N	P=0.207

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 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 NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

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

---

**Prostate  
 Inflammation**

**LESION RATES**

OVERALL (a)	3/50 (6%)	0/50 (0%)	2/50 (4%)	0/50 (0%)
POLY-3 RATE (b)	3/43.91	0/44.20	2/46.38	0/42.27
POLY-3 PERCENT (g)	6.8%	0%	4.3%	0%
TERMINAL (d)	2/32 (6%)	0/32 (0%)	1/38 (3%)	0/32 (0%)
FIRST INCIDENCE	714	---	679	---

**STATISTICAL TESTS**

POLY 3	P=0.129N	P=0.117N	P=0.475N	P=0.125N
POLY 1.5	P=0.129N	P=0.118N	P=0.485N	P=0.124N
POLY 6	P=0.129N	P=0.116N	P=0.462N	P=0.125N
COCH-ARM / FISHERS	P=0.125N	P=0.121N	P=0.500N	P=0.121N
MAX-ISO-POLY-3	P=0.048N*	P=0.038N*	P=0.306N	P=0.043N*

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 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 NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

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

**Skin  
 Inflammation**

**LESION RATES**

OVERALL (a)	0/50 (0%)	1/50 (2%)	0/50 (0%)	2/50 (4%)
POLY-3 RATE (b)	0/43.85	1/44.54	0/46.18	2/42.32
POLY-3 PERCENT (g)	0%	2.2%	0%	4.7%
TERMINAL (d)	0/32 (0%)	0/32 (0%)	0/38 (0%)	1/32 (3%)
FIRST INCIDENCE	---	633	---	718

**STATISTICAL TESTS**

POLY 3	P=0.136	P=0.503	(e)	P=0.229
POLY 1.5	P=0.136	P=0.502	(e)	P=0.230
POLY 6	P=0.137	P=0.505	(e)	P=0.229
COCH-ARM / FISHERS	P=0.140	P=0.500	(e)	P=0.247
MAX-ISO-POLY-3	P=0.077	P=0.162	(e)	P=0.076

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 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 NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

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

---

**Skin  
 Ulcer**

**LESION RATES**

OVERALL (a)	2/50 (4%)	1/50 (2%)	1/50 (2%)	2/50 (4%)
POLY-3 RATE (b)	2/43.94	1/44.20	1/46.53	2/42.56
POLY-3 PERCENT (g)	4.6%	2.3%	2.2%	4.7%
TERMINAL (d)	1/32 (3%)	1/32 (3%)	0/38 (0%)	0/32 (0%)
FIRST INCIDENCE	708	730 (T)	632	666

**STATISTICAL TESTS**

POLY 3	P=0.547	P=0.498N	P=0.480N	P=0.683
POLY 1.5	P=0.547	P=0.499N	P=0.488N	P=0.684
POLY 6	P=0.549	P=0.497N	P=0.470N	P=0.685
COCH-ARM / FISHERS	P=0.556	P=0.500N	P=0.500N	P=0.691N
MAX-ISO-POLY-3	P=0.530	P=0.279N	P=0.269N	P=0.487

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 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 NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

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

**Skin: Subcutaneous Tissue  
 Fibrosis**

**LESION RATES**

OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/43.85	0/44.20	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	---	---	---	---

**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)

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 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 NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

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

---

**Spleen  
 Hematopoietic Cell Proliferation**

**LESION RATES**

OVERALL (a)	2/50 (4%)	5/50 (10%)	7/50 (14%)	6/50 (12%)
POLY-3 RATE (b)	2/43.85	5/45.35	7/46.98	6/44.46
POLY-3 PERCENT (g)	4.6%	11%	14.9%	13.5%
TERMINAL (d)	2/32 (6%)	3/32 (9%)	4/38 (11%)	1/32 (3%)
FIRST INCIDENCE	730 (T)	269	637	429

**STATISTICAL TESTS**

POLY 3	P=0.135	P=0.230	P=0.096	P=0.137
POLY 1.5	P=0.129	P=0.225	P=0.089	P=0.132
POLY 6	P=0.147	P=0.233	P=0.107	P=0.144
COCH-ARM / FISHERS	P=0.132	P=0.218	P=0.080	P=0.134
MAX-ISO-POLY-3	P=0.122	P=0.132	P=0.054	P=0.072

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 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 NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

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

---

**Spleen  
 Hyperplasia Lymphoid**

**LESION RATES**

OVERALL (a)	7/50 (14%)	11/50 (22%)	11/50 (22%)	4/50 (8%)
POLY-3 RATE (b)	7/43.99	11/44.52	11/46.84	4/42.52
POLY-3 PERCENT (g)	15.9%	24.7%	23.5%	9.4%
TERMINAL (d)	6/32 (19%)	9/32 (28%)	9/38 (24%)	3/32 (9%)
FIRST INCIDENCE	695	668	632	666

**STATISTICAL TESTS**

POLY 3	P=0.177N	P=0.222	P=0.261	P=0.279N
POLY 1.5	P=0.176N	P=0.219	P=0.243	P=0.278N
POLY 6	P=0.173N	P=0.225	P=0.286	P=0.277N
COCH-ARM / FISHERS	P=0.159N	P=0.218	P=0.218	P=0.262N
MAX-ISO-POLY-3	P=0.126N	P=0.152	P=0.190	P=0.186N

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 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 NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

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

**Spleen: Lymphoid Follicle  
 Atrophy**

**LESION RATES**

OVERALL (a)	5/50 (10%)	7/50 (14%)	1/50 (2%)	4/50 (8%)
POLY-3 RATE (b)	5/46.27	7/45.73	1/46.76	4/44.60
POLY-3 PERCENT (g)	10.8%	15.3%	2.1%	9%
TERMINAL (d)	0/32 (0%)	1/32 (3%)	0/38 (0%)	1/32 (3%)
FIRST INCIDENCE	339	539	549	18

**STATISTICAL TESTS**

POLY 3	P=0.270N	P=0.371	P=0.099N	P=0.523N
POLY 1.5	P=0.266N	P=0.371	P=0.101N	P=0.515N
POLY 6	P=0.271N	P=0.374	P=0.096N	P=0.528N
COCH-ARM / FISHERS	P=0.260N	P=0.380	P=0.102N	P=0.500N
MAX-ISO-POLY-3	P=0.176N	P=0.263	P=0.044N*	P=0.386N

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 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 NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

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

---

**Stomach, Forestomach  
 Inflammation**

**LESION RATES**

OVERALL (a)	1/50 (2%)	0/50 (0%)	2/50 (4%)	0/50 (0%)
POLY-3 RATE (b)	1/44.25	0/44.20	2/46.38	0/42.27
POLY-3 PERCENT (g)	2.3%	0%	4.3%	0%
TERMINAL (d)	0/32 (0%)	0/32 (0%)	1/38 (3%)	0/32 (0%)
FIRST INCIDENCE	617	---	678	---

**STATISTICAL TESTS**

POLY 3	P=0.475N	P=0.500N	P=0.516	P=0.509N
POLY 1.5	P=0.472N	P=0.500N	P=0.510	P=0.507N
POLY 6	P=0.477N	P=0.501N	P=0.525	P=0.510N
COCH-ARM / FISHERS	P=0.461N	P=0.500N	P=0.500	P=0.500N
MAX-ISO-POLY-3	P=0.349N	P=0.159N	P=0.298	P=0.170N

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 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 NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

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

---

**Stomach, Forestomach  
 Ulcer**

**LESION RATES**

OVERALL (a)	2/50 (4%)	1/50 (2%)	5/50 (10%)	1/50 (2%)
POLY-3 RATE (b)	2/44.19	1/44.36	5/46.45	1/42.27
POLY-3 PERCENT (g)	4.5%	2.3%	10.8%	2.4%
TERMINAL (d)	1/32 (3%)	0/32 (0%)	3/38 (8%)	1/32 (3%)
FIRST INCIDENCE	637	689	678	730 (T)

**STATISTICAL TESTS**

POLY 3	P=0.552N	P=0.499N	P=0.237	P=0.515N
POLY 1.5	P=0.545N	P=0.500N	P=0.229	P=0.512N
POLY 6	P=0.555N	P=0.498N	P=0.247	P=0.517N
COCH-ARM / FISHERS	P=0.523N	P=0.500N	P=0.218	P=0.500N
MAX-ISO-POLY-3	P=0.376N	P=0.280N	P=0.139	P=0.297N

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 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 NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

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

**Stomach, Forestomach: Epithelium  
 Hyperplasia**

**LESION RATES**

OVERALL (a)	5/50 (10%)	4/50 (8%)	3/50 (6%)	2/50 (4%)
POLY-3 RATE (b)	5/44.33	4/44.32	3/46.25	2/42.27
POLY-3 PERCENT (g)	11.3%	9%	6.5%	4.7%
TERMINAL (d)	3/32 (9%)	3/32 (9%)	2/38 (5%)	2/32 (6%)
FIRST INCIDENCE	617	700	714	730 (T)

**STATISTICAL TESTS**

POLY 3	P=0.163N	P=0.500N	P=0.333N	P=0.235N
POLY 1.5	P=0.161N	P=0.501N	P=0.342N	P=0.231N
POLY 6	P=0.163N	P=0.501N	P=0.322N	P=0.238N
COCH-ARM / FISHERS	P=0.151N	P=0.500N	P=0.357N	P=0.218N
MAX-ISO-POLY-3	P=0.223N	P=0.362N	P=0.217N	P=0.137N

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 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 NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

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

Stomach, Forestomach: Epithelium  
 Hyperplasia Focal

**LESION RATES**

OVERALL (a)	0/50 (0%)	1/50 (2%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/43.85	1/44.20	0/46.18	0/42.27
POLY-3 PERCENT (g)	0%	2.3%	0%	0%
TERMINAL (d)	0/32 (0%)	1/32 (3%)	0/38 (0%)	0/32 (0%)
FIRST INCIDENCE	---	730 (T)	---	---

**STATISTICAL TESTS**

POLY 3	P=0.563N	P=0.502	(e)	(e)
POLY 1.5	P=0.565N	P=0.501	(e)	(e)
POLY 6	P=0.561N	P=0.502	(e)	(e)
COCH-ARM / FISHERS	P=0.567N	P=0.500	(e)	(e)
MAX-ISO-POLY-3	P=0.401N	P=0.161	(e)	(e)

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 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 NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

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

**Testes  
 Mineralization**

**LESION RATES**

OVERALL (a)	3/50 (6%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	3/44.12	0/44.20	0/46.18	0/42.27
POLY-3 PERCENT (g)	6.8%	0%	0%	0%
TERMINAL (d)	1/32 (3%)	0/32 (0%)	0/38 (0%)	0/32 (0%)
FIRST INCIDENCE	696	---	---	---

**STATISTICAL TESTS**

POLY 3	P=0.044N*	P=0.118N	P=0.111N	P=0.126N
POLY 1.5	P=0.044N*	P=0.119N	P=0.114N	P=0.125N
POLY 6	P=0.043N*	P=0.118N	P=0.107N	P=0.127N
COCH-ARM / FISHERS	P=0.047N*	P=0.121N	P=0.121N	P=0.121N
MAX-ISO-POLY-3	P=0.012N*	P=0.038N*	P=0.038N*	P=0.044N*

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 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 NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

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

Testes: Germinal Epithelium  
 Atrophy

**LESION RATES**

OVERALL (a)	2/50 (4%)	4/50 (8%)	5/50 (10%)	4/50 (8%)
POLY-3 RATE (b)	2/44.19	4/44.40	5/46.18	4/42.32
POLY-3 PERCENT (g)	4.5%	9%	10.8%	9.5%
TERMINAL (d)	1/32 (3%)	3/32 (9%)	5/38 (13%)	3/32 (9%)
FIRST INCIDENCE	637	676	730 (T)	718

**STATISTICAL TESTS**

POLY 3	P=0.282	P=0.339	P=0.234	P=0.317
POLY 1.5	P=0.287	P=0.338	P=0.228	P=0.321
POLY 6	P=0.279	P=0.340	P=0.243	P=0.314
COCH-ARM / FISHERS	P=0.309	P=0.339	P=0.218	P=0.339
MAX-ISO-POLY-3	P=0.293	P=0.203	P=0.137	P=0.190

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 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 NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

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

**Thyroid Gland: Follicle  
 Cyst**

**LESION RATES**

OVERALL (a)	1/50 (2%)	0/50 (0%)	2/50 (4%)	0/50 (0%)
POLY-3 RATE (b)	1/43.85	0/44.20	2/46.18	0/42.27
POLY-3 PERCENT (g)	2.3%	0%	4.3%	0%
TERMINAL (d)	1/32 (3%)	0/32 (0%)	2/38 (5%)	0/32 (0%)
FIRST INCIDENCE	730 (T)	---	730 (T)	---

**STATISTICAL TESTS**

POLY 3	P=0.474N	P=0.498N	P=0.518	P=0.507N
POLY 1.5	P=0.472N	P=0.499N	P=0.511	P=0.506N
POLY 6	P=0.475N	P=0.498N	P=0.527	P=0.507N
COCH-ARM / FISHERS	P=0.461N	P=0.500N	P=0.500	P=0.500N
MAX-ISO-POLY-3	P=0.346N	P=0.158N	P=0.300	P=0.168N

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 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 NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

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

---

Tooth  
 Dysplasia

**LESION RATES**

OVERALL (a)	11/13 (85%)	11/15 (73%)	8/9 (89%)	10/13 (77%)
POLY-3 RATE (b)	11/12.87	11/14.57	8/8.43	10/12.86
POLY-3 PERCENT (g)	85.5%	75.5%	95%	77.8%
TERMINAL (d)	8/9 (89%)	10/12 (83%)	6/6 (100%)	9/11 (82%)
FIRST INCIDENCE	637	668	632	718

**STATISTICAL TESTS**

POLY 3	P=0.495N	P=0.430N	P=0.511	P=0.501N
POLY 1.5	P=0.498N	P=0.417N	P=0.563	P=0.501N
POLY 6	P=0.492N	P=0.446N	P=0.452	P=0.502N
COCH-ARM / FISHERS	P=0.500N	P=0.400N	P=0.642	P=0.500N
MAX-ISO-POLY-3	P=0.482N	P=0.262N	P=0.261	P=0.309N

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 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 NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

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

**Adrenal Cortex  
 Hyperplasia**

**LESION RATES**

OVERALL (a)	8/50 (16%)	1/50 (2%)	3/50 (6%)	6/50 (12%)
POLY-3 RATE (b)	8/47.09	1/43.48	3/43.39	6/42.69
POLY-3 PERCENT (g)	17%	2.3%	6.9%	14.1%
TERMINAL (d)	7/38 (18%)	1/31 (3%)	2/34 (6%)	3/32 (9%)
FIRST INCIDENCE	681	729 (T)	673	418

**STATISTICAL TESTS**

POLY 3	P=0.553N	P=0.022N*	P=0.126N	P=0.464N
POLY 1.5	P=0.554N	P=0.019N*	P=0.123N	P=0.446N
POLY 6	P=0.544N	P=0.025N*	P=0.125N	P=0.474N
COCH-ARM / FISHERS	P=0.533N	P=0.015N*	P=0.100N	P=0.387N
MAX-ISO-POLY-3	P=0.126N	P=0.011N*	P=0.079N	P=0.357N



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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 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 NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

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

**Adrenal Cortex  
 Hypertrophy**

**LESION RATES**

OVERALL (a)	39/50 (78%)	40/50 (80%)	39/50 (78%)	39/50 (78%)
POLY-3 RATE (b)	39/47.70	40/46.33	39/46.07	39/46.03
POLY-3 PERCENT (g)	81.8%	86.4%	84.7%	84.7%
TERMINAL (d)	35/38 (92%)	30/31 (97%)	29/34 (85%)	29/32 (91%)
FIRST INCIDENCE	578	550	444	225

**STATISTICAL TESTS**

POLY 3	P=0.445	P=0.362	P=0.459	P=0.454
POLY 1.5	P=0.442	P=0.412	P=0.421	P=0.468
POLY 6	P=0.509	P=0.323	P=0.564	P=0.491
COCH-ARM / FISHERS	P=0.512N	P=0.500	P=0.595N	P=0.595N
MAX-ISO-POLY-3	P=0.501	P=0.258	P=0.350	P=0.344

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 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 NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

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

**Adrenal Medulla  
 Hyperplasia**

**LESION RATES**

OVERALL (a)	3/50 (6%)	3/50 (6%)	6/50 (12%)	2/50 (4%)
POLY-3 RATE (b)	3/46.91	3/43.58	6/43.95	2/41.11
POLY-3 PERCENT (g)	6.4%	6.9%	13.7%	4.9%
TERMINAL (d)	3/38 (8%)	2/31 (7%)	5/34 (15%)	1/32 (3%)
FIRST INCIDENCE	729 (T)	704	444	644

**STATISTICAL TESTS**

POLY 3	P=0.546N	P=0.628	P=0.211	P=0.560N
POLY 1.5	P=0.527N	P=0.641	P=0.213	P=0.545N
POLY 6	P=0.553N	P=0.612	P=0.212	P=0.568N
COCH-ARM / FISHERS	P=0.463N	P=0.661N	P=0.243	P=0.500N
MAX-ISO-POLY-3	P=0.412N	P=0.463	P=0.132	P=0.385N

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 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 NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

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

**Bone Marrow  
 Hyperplasia**

**LESION RATES**

OVERALL (a)	0/50 (0%)	0/50 (0%)	1/49 (2%)	2/50 (4%)
POLY-3 RATE (b)	0/46.91	0/43.48	1/42.73	2/41.53
POLY-3 PERCENT (g)	0%	0%	2.3%	4.8%
TERMINAL (d)	0/38 (0%)	0/31 (0%)	0/34 (0%)	0/32 (0%)
FIRST INCIDENCE	---	---	578	493

**STATISTICAL TESTS**

POLY 3	P=0.060	(e)	P=0.481	P=0.211
POLY 1.5	P=0.062	(e)	P=0.482	P=0.217
POLY 6	P=0.060	(e)	P=0.483	P=0.208
COCH-ARM / FISHERS	P=0.070	(e)	P=0.495	P=0.247
MAX-ISO-POLY-3	P=0.078	(e)	P=0.157	P=0.076

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 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 NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

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

**Bone Marrow  
 Myelofibrosis**

**LESION RATES**

OVERALL (a)	0/50 (0%)	4/50 (8%)	2/49 (4%)	3/50 (6%)
POLY-3 RATE (b)	0/46.91	4/43.52	2/42.23	3/40.80
POLY-3 PERCENT (g)	0%	9.2%	4.7%	7.4%
TERMINAL (d)	0/38 (0%)	3/31 (10%)	2/34 (6%)	3/32 (9%)
FIRST INCIDENCE	---	721	729 (T)	729 (T)

**STATISTICAL TESTS**

POLY 3	P=0.166	P=0.051	P=0.214	P=0.096
POLY 1.5	P=0.181	P=0.055	P=0.217	P=0.102
POLY 6	P=0.157	P=0.047*	P=0.214	P=0.092
COCH-ARM / FISHERS	P=0.227	P=0.059	P=0.242	P=0.121
MAX-ISO-POLY-3	P=0.115	P=0.019*	P=0.075	P=0.038*

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 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 NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

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

---

**Brain  
 Hydrocephalus**

**LESION RATES**

OVERALL (a)	0/50 (0%)	2/50 (4%)	1/50 (2%)	0/50 (0%)
POLY-3 RATE (b)	0/46.91	2/43.88	1/43.95	0/40.80
POLY-3 PERCENT (g)	0%	4.6%	2.3%	0%
TERMINAL (d)	0/38 (0%)	1/31 (3%)	0/34 (0%)	0/32 (0%)
FIRST INCIDENCE	---	618	444	---

**STATISTICAL TESTS**

POLY 3	P=0.513N	P=0.223	P=0.487	(e)
POLY 1.5	P=0.499N	P=0.228	P=0.488	(e)
POLY 6	P=0.522N	P=0.216	P=0.488	(e)
COCH-ARM / FISHERS	P=0.461N	P=0.247	P=0.500	(e)
MAX-ISO-POLY-3	P=0.351	P=0.076	P=0.158	(e)

---

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 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 NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

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

**Esophagus  
 Perforation**

**LESION 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	2/45.18	0/40.80
POLY-3 PERCENT (g)	0%	0%	4.4%	0%
TERMINAL (d)	0/38 (0%)	0/31 (0%)	0/34 (0%)	0/32 (0%)
FIRST INCIDENCE	---	---	36	---

**STATISTICAL TESTS**

POLY 3	P=0.525	(e)	P=0.229	(e)
POLY 1.5	P=0.544	(e)	P=0.231	(e)
POLY 6	P=0.514	(e)	P=0.229	(e)
COCH-ARM / FISHERS	P=0.595	(e)	P=0.247	(e)
MAX-ISO-POLY-3	P=0.272	(e)	P=0.076	(e)

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 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 NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

---

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

---

**Esophagus: Periesophageal Tissue  
 Inflammation**

**LESION RATES**

OVERALL (a)	0/50 (0%)	0/50 (0%)	3/50 (6%)	1/50 (2%)
POLY-3 RATE (b)	0/46.91	0/43.48	3/45.68	1/41.36
POLY-3 PERCENT (g)	0%	0%	6.6%	2.4%
TERMINAL (d)	0/38 (0%)	0/31 (0%)	0/34 (0%)	0/32 (0%)
FIRST INCIDENCE	---	---	36	555

**STATISTICAL TESTS**

POLY 3	P=0.198	(e)	P=0.114	P=0.475
POLY 1.5	P=0.209	(e)	P=0.115	P=0.481
POLY 6	P=0.194	(e)	P=0.115	P=0.471
COCH-ARM / FISHERS	P=0.247	(e)	P=0.121	P=0.500
MAX-ISO-POLY-3	P=0.135	(e)	P=0.038*	P=0.158

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 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 NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

---

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

---

Eye: Cornea  
 Inflammation

**LESION RATES**

OVERALL (a)	2/49 (4%)	1/50 (2%)	3/50 (6%)	0/50 (0%)
POLY-3 RATE (b)	2/46.54	1/43.88	3/43.45	0/40.80
POLY-3 PERCENT (g)	4.3%	2.3%	6.9%	0%
TERMINAL (d)	1/38 (3%)	0/31 (0%)	2/34 (6%)	0/32 (0%)
FIRST INCIDENCE	697	618	654	---

**STATISTICAL TESTS**

POLY 3	P=0.284N	P=0.520N	P=0.469	P=0.268N
POLY 1.5	P=0.272N	P=0.510N	P=0.474	P=0.258N
POLY 6	P=0.292N	P=0.533N	P=0.468	P=0.276N
COCH-ARM / FISHERS	P=0.237N	P=0.492N	P=0.510	P=0.242N
MAX-ISO-POLY-3	P=0.229N	P=0.304N	P=0.303	P=0.106N

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 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 NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

---

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

---

**Gallbladder  
 Cyst**

**LESION RATES**

OVERALL (a)	0/49 (0%)	2/50 (4%)	1/50 (2%)	1/50 (2%)
POLY-3 RATE (b)	0/46.41	2/43.48	1/43.18	1/40.80
POLY-3 PERCENT (g)	0%	4.6%	2.3%	2.5%
TERMINAL (d)	0/38 (0%)	2/31 (7%)	1/34 (3%)	1/32 (3%)
FIRST INCIDENCE	---	729 (T)	729 (T)	729 (T)

**STATISTICAL TESTS**

POLY 3	P=0.435	P=0.223	P=0.486	P=0.474
POLY 1.5	P=0.454	P=0.230	P=0.488	P=0.483
POLY 6	P=0.421	P=0.214	P=0.485	P=0.469
COCH-ARM / FISHERS	P=0.505	P=0.253	P=0.505	P=0.505
MAX-ISO-POLY-3	P=0.293	P=0.077	P=0.160	P=0.160

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 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 NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

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

---

**Gallbladder  
 Inflammation**

**LESION RATES**

OVERALL (a)	0/49 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/46.41	0/43.48	0/43.18	0/40.80
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/38 (0%)	0/31 (0%)	0/34 (0%)	0/32 (0%)
FIRST INCIDENCE	---	---	---	---

**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)

---

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 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 NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

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

**Harderian Gland  
 Hyperplasia**

**LESION RATES**

OVERALL (a)	2/49 (4%)	1/50 (2%)	1/50 (2%)	0/50 (0%)
POLY-3 RATE (b)	2/46.41	1/43.61	1/43.18	0/40.80
POLY-3 PERCENT (g)	4.3%	2.3%	2.3%	0%
TERMINAL (d)	2/38 (5%)	0/31 (0%)	1/34 (3%)	0/32 (0%)
FIRST INCIDENCE	729 (T)	697	729 (T)	---

**STATISTICAL TESTS**

POLY 3	P=0.168N	P=0.522N	P=0.525N	P=0.267N
POLY 1.5	P=0.164N	P=0.510N	P=0.520N	P=0.257N
POLY 6	P=0.169N	P=0.535N	P=0.527N	P=0.274N
COCH-ARM / FISHERS	P=0.150N	P=0.492N	P=0.492N	P=0.242N
MAX-ISO-POLY-3	P=0.168N	P=0.305N	P=0.309N	P=0.105N

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 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 NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

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

**Heart  
 Cardiomyopathy**

**LESION RATES**

OVERALL (a)	35/50 (70%)	40/50 (80%)	38/50 (76%)	31/50 (62%)
POLY-3 RATE (b)	35/49.02	40/46.70	38/45.71	31/44.21
POLY-3 PERCENT (g)	71.4%	85.7%	83.1%	70.1%
TERMINAL (d)	29/38 (76%)	27/31 (87%)	28/34 (82%)	22/32 (69%)
FIRST INCIDENCE	536	550	444	418

**STATISTICAL TESTS**

POLY 3	P=0.366N	P=0.066	P=0.128	P=0.537N
POLY 1.5	P=0.301N	P=0.098	P=0.144	P=0.469N
POLY 6	P=0.385N	P=0.045*	P=0.126	P=0.567N
COCH-ARM / FISHERS	P=0.121N	P=0.178	P=0.326	P=0.263N
MAX-ISO-POLY-3	P=0.212N	P=0.042*	P=0.090	P=0.447N

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 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 NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

---

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

---

**Heart  
 Inflammation**

**LESION RATES**

OVERALL (a)	0/50 (0%)	2/50 (4%)	3/50 (6%)	1/50 (2%)
POLY-3 RATE (b)	0/46.91	2/43.71	3/44.68	1/41.11
POLY-3 PERCENT (g)	0%	4.6%	6.7%	2.4%
TERMINAL (d)	0/38 (0%)	1/31 (3%)	1/34 (3%)	0/32 (0%)
FIRST INCIDENCE	---	668	37	644

**STATISTICAL TESTS**

POLY 3	P=0.365	P=0.222	P=0.110	P=0.474
POLY 1.5	P=0.385	P=0.228	P=0.111	P=0.480
POLY 6	P=0.355	P=0.215	P=0.111	P=0.470
COCH-ARM / FISHERS	P=0.444	P=0.247	P=0.121	P=0.500
MAX-ISO-POLY-3	P=0.209	P=0.076	P=0.038*	P=0.158

---

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 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 NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

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

**Heart  
 Mineralization**

**LESION RATES**

OVERALL (a)	0/50 (0%)	2/50 (4%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/46.91	2/43.71	0/43.18	0/40.80
POLY-3 PERCENT (g)	0%	4.6%	0%	0%
TERMINAL (d)	0/38 (0%)	1/31 (3%)	0/34 (0%)	0/32 (0%)
FIRST INCIDENCE	---	668	---	---

**STATISTICAL TESTS**

POLY 3	P=0.442N	P=0.222	(e)	(e)
POLY 1.5	P=0.432N	P=0.228	(e)	(e)
POLY 6	P=0.449N	P=0.215	(e)	(e)
COCH-ARM / FISHERS	P=0.405N	P=0.247	(e)	(e)
MAX-ISO-POLY-3	P=0.292N	P=0.076	(e)	(e)

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 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 NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

---

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

---

**Heart: Artery  
 Inflammation**

**LESION RATES**

OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	2/50 (4%)
POLY-3 RATE (b)	0/46.91	0/43.48	0/43.18	2/40.80
POLY-3 PERCENT (g)	0%	0%	0%	4.9%
TERMINAL (d)	0/38 (0%)	0/31 (0%)	0/34 (0%)	2/32 (6%)
FIRST INCIDENCE	---	---	---	729 (T)

**STATISTICAL TESTS**

POLY 3	P=0.041*	(e)	(e)	P=0.208
POLY 1.5	P=0.042*	(e)	(e)	P=0.215
POLY 6	P=0.041*	(e)	(e)	P=0.203
COCH-ARM / FISHERS	P=0.046*	(e)	(e)	P=0.247
MAX-ISO-POLY-3	P=0.032*	(e)	(e)	P=0.075

---

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 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 NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

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

---

Heart: Valve  
 Thrombosis

**LESION RATES**

OVERALL (a)	0/50 (0%)	2/50 (4%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/46.91	2/43.48	0/43.18	0/40.80
POLY-3 PERCENT (g)	0%	4.6%	0%	0%
TERMINAL (d)	0/38 (0%)	2/31 (7%)	0/34 (0%)	0/32 (0%)
FIRST INCIDENCE	---	729 (T)	---	---

**STATISTICAL TESTS**

POLY 3	P=0.443N	P=0.221	(e)	(e)
POLY 1.5	P=0.432N	P=0.227	(e)	(e)
POLY 6	P=0.450N	P=0.213	(e)	(e)
COCH-ARM / FISHERS	P=0.405N	P=0.247	(e)	(e)
MAX-ISO-POLY-3	P=0.291N	P=0.076	(e)	(e)

---



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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 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 NON-NEOPLASTIC LESIONS 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: Peyer's Patch  
 Hyperplasia**

**LESION 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	0/40.80
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/38 (0%)	0/31 (0%)	0/34 (0%)	0/32 (0%)
FIRST INCIDENCE	---	---	---	---

**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)

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 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 NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

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

**Islets, Pancreatic  
 Hyperplasia**

**LESION RATES**

OVERALL (a)	16/50 (32%)	15/50 (30%)	17/50 (34%)	15/50 (30%)
POLY-3 RATE (b)	16/47.89	15/45.76	17/46.95	15/42.38
POLY-3 PERCENT (g)	33.4%	32.8%	36.2%	35.4%
TERMINAL (d)	12/38 (32%)	9/31 (29%)	10/34 (29%)	10/32 (31%)
FIRST INCIDENCE	596	449	299	555

**STATISTICAL TESTS**

POLY 3	P=0.431	P=0.561N	P=0.472	P=0.510
POLY 1.5	P=0.463	P=0.537N	P=0.461	P=0.548
POLY 6	P=0.424	P=0.583	P=0.487	P=0.492
COCH-ARM / FISHERS	P=0.490N	P=0.500N	P=0.500	P=0.500N
MAX-ISO-POLY-3	P=0.623	P=0.474N	P=0.387	P=0.424

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 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 NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

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

**Kidney  
 Cyst**

**LESION RATES**

OVERALL (a)	0/50 (0%)	1/50 (2%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/46.91	1/43.48	0/43.18	0/40.80
POLY-3 PERCENT (g)	0%	2.3%	0%	0%
TERMINAL (d)	0/38 (0%)	1/31 (3%)	0/34 (0%)	0/32 (0%)
FIRST INCIDENCE	---	729 (T)	---	---

**STATISTICAL TESTS**

POLY 3	P=0.586N	P=0.485	(e)	(e)
POLY 1.5	P=0.581N	P=0.491	(e)	(e)
POLY 6	P=0.589N	P=0.478	(e)	(e)
COCH-ARM / FISHERS	P=0.567N	P=0.500	(e)	(e)
MAX-ISO-POLY-3	P=0.421N	P=0.158	(e)	(e)

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
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 NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
TERMINAL SACRIFICE AT 105 WEEKS**

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

---

**Kidney  
Hydronephrosis**

---

**LESION 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	0/40.80
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/38 (0%)	0/31 (0%)	0/34 (0%)	0/32 (0%)
FIRST INCIDENCE	---	---	---	---

.....  
**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)

.....

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 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 NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

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

**Kidney  
 Infarct**

**LESION RATES**

OVERALL (a)	0/50 (0%)	2/50 (4%)	0/50 (0%)	6/50 (12%)
POLY-3 RATE (b)	0/46.91	2/43.48	0/43.18	6/41.52
POLY-3 PERCENT (g)	0%	4.6%	0%	14.5%
TERMINAL (d)	0/38 (0%)	2/31 (7%)	0/34 (0%)	5/32 (16%)
FIRST INCIDENCE	---	729 (T)	---	477

**STATISTICAL TESTS**

POLY 3	P=0.002**	P=0.221	(e)	P=0.010**
POLY 1.5	P=0.002**	P=0.227	(e)	P=0.011*
POLY 6	P=0.002**	P=0.213	(e)	P=0.009**
COCH-ARM / FISHERS	P=0.004**	P=0.247	(e)	P=0.013*
MAX-ISO-POLY-3	P<0.001**	P=0.076	(e)	P=0.004**

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 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 NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

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

---

**Kidney  
 Inflammation**

**LESION RATES**

OVERALL (a)	7/50 (14%)	2/50 (4%)	0/50 (0%)	1/50 (2%)
POLY-3 RATE (b)	7/47.51	2/43.60	0/43.18	1/40.88
POLY-3 PERCENT (g)	14.7%	4.6%	0%	2.5%
TERMINAL (d)	6/38 (16%)	1/31 (3%)	0/34 (0%)	0/32 (0%)
FIRST INCIDENCE	536	701	---	709

**STATISTICAL TESTS**

POLY 3	P=0.010N**	P=0.101N	P=0.011N*	P=0.050N*
POLY 1.5	P=0.010N**	P=0.092N	P=0.011N*	P=0.044N*
POLY 6	P=0.010N**	P=0.112N	P=0.011N*	P=0.054N
COCH-ARM / FISHERS	P=0.011N*	P=0.080N	P=0.006N**	P=0.030N*
MAX-ISO-POLY-3	P=0.007N**	P=0.059N	P=0.005N**	P=0.029N*

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 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 NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

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

**Kidney  
 Metaplasia Osseous**

**LESION RATES**

OVERALL (a)	0/50 (0%)	3/50 (6%)	2/50 (4%)	0/50 (0%)
POLY-3 RATE (b)	0/46.91	3/43.48	2/43.18	0/40.80
POLY-3 PERCENT (g)	0%	6.9%	4.6%	0%
TERMINAL (d)	0/38 (0%)	3/31 (10%)	2/34 (6%)	0/32 (0%)
FIRST INCIDENCE	---	729 (T)	729 (T)	---

**STATISTICAL TESTS**

POLY 3	P=0.483N	P=0.106	P=0.219	(e)
POLY 1.5	P=0.463N	P=0.111	P=0.221	(e)
POLY 6	P=0.497N	P=0.100	P=0.219	(e)
COCH-ARM / FISHERS	P=0.409N	P=0.121	P=0.247	(e)
MAX-ISO-POLY-3	P=0.243	P=0.038*	P=0.076	(e)

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 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 NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

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

**Kidney  
 Mineralization**

**LESION RATES**

OVERALL (a)	0/50 (0%)	1/50 (2%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/46.91	1/43.48	0/43.18	0/40.80
POLY-3 PERCENT (g)	0%	2.3%	0%	0%
TERMINAL (d)	0/38 (0%)	1/31 (3%)	0/34 (0%)	0/32 (0%)
FIRST INCIDENCE	---	729 (T)	---	---

**STATISTICAL TESTS**

POLY 3	P=0.586N	P=0.485	(e)	(e)
POLY 1.5	P=0.581N	P=0.491	(e)	(e)
POLY 6	P=0.589N	P=0.478	(e)	(e)
COCH-ARM / FISHERS	P=0.567N	P=0.500	(e)	(e)
MAX-ISO-POLY-3	P=0.421N	P=0.158	(e)	(e)



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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 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 NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

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

**Kidney  
 Nephropathy**

**LESION RATES**

OVERALL (a)	39/50 (78%)	39/50 (78%)	38/50 (76%)	33/50 (66%)
POLY-3 RATE (b)	39/47.79	39/47.21	38/46.07	33/42.83
POLY-3 PERCENT (g)	81.6%	82.6%	82.5%	77.1%
TERMINAL (d)	33/38 (87%)	28/31 (90%)	31/34 (91%)	27/32 (84%)
FIRST INCIDENCE	673	449	369	477

**STATISTICAL TESTS**

POLY 3	P=0.313N	P=0.559	P=0.566	P=0.386N
POLY 1.5	P=0.244N	P=0.571	P=0.540	P=0.307N
POLY 6	P=0.342N	P=0.544	P=0.615N	P=0.433N
COCH-ARM / FISHERS	P=0.081N	P=0.595N	P=0.500N	P=0.133N
MAX-ISO-POLY-3	P=0.431N	P=0.445	P=0.454	P=0.296N

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 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 NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

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

**Kidney: Artery  
 Inflammation**

**LESION RATES**

OVERALL (a)	0/50 (0%)	1/50 (2%)	1/50 (2%)	0/50 (0%)
POLY-3 RATE (b)	0/46.91	1/43.52	1/43.18	0/40.80
POLY-3 PERCENT (g)	0%	2.3%	2.3%	0%
TERMINAL (d)	0/38 (0%)	0/31 (0%)	1/34 (3%)	0/32 (0%)
FIRST INCIDENCE	---	721	729 (T)	---

**STATISTICAL TESTS**

POLY 3	P=0.633N	P=0.485	P=0.483	(e)
POLY 1.5	P=0.623N	P=0.491	P=0.485	(e)
POLY 6	P=0.639N	P=0.478	P=0.483	(e)
COCH-ARM / FISHERS	P=0.595N	P=0.500	P=0.500	(e)
MAX-ISO-POLY-3	P=0.420	P=0.158	P=0.158	(e)

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 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 NON-NEOPLASTIC LESIONS 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  
 Hyperplasia**

**LESION 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	0/40.80
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/38 (0%)	0/31 (0%)	0/34 (0%)	0/32 (0%)
FIRST INCIDENCE	---	---	---	---

**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)

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 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 NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

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

Liver  
 Angiectasis

**LESION RATES**

OVERALL (a)	2/50 (4%)	0/50 (0%)	2/50 (4%)	0/50 (0%)
POLY-3 RATE (b)	2/47.38	0/43.48	2/43.18	0/40.80
POLY-3 PERCENT (g)	4.2%	0%	4.6%	0%
TERMINAL (d)	1/38 (3%)	0/31 (0%)	2/34 (6%)	0/32 (0%)
FIRST INCIDENCE	590	---	729 (T)	---

**STATISTICAL TESTS**

POLY 3	P=0.271N	P=0.257N	P=0.660	P=0.272N
POLY 1.5	P=0.266N	P=0.249N	P=0.665	P=0.262N
POLY 6	P=0.272N	P=0.267N	P=0.658	P=0.280N
COCH-ARM / FISHERS	P=0.247N	P=0.247N	P=0.691N	P=0.247N
MAX-ISO-POLY-3	P=0.173N	P=0.095N	P=0.463	P=0.109N

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 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 NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

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

Liver  
 Basophilic Focus

**LESION RATES**

OVERALL (a)	1/50 (2%)	0/50 (0%)	0/50 (0%)	2/50 (4%)
POLY-3 RATE (b)	1/46.91	0/43.48	0/43.18	2/41.00
POLY-3 PERCENT (g)	2.1%	0%	0%	4.9%
TERMINAL (d)	1/38 (3%)	0/31 (0%)	0/34 (0%)	1/32 (3%)
FIRST INCIDENCE	729 (T)	---	---	677

**STATISTICAL TESTS**

POLY 3	P=0.235	P=0.515N	P=0.517N	P=0.453
POLY 1.5	P=0.236	P=0.509N	P=0.515N	P=0.465
POLY 6	P=0.237	P=0.522N	P=0.516N	P=0.446
COCH-ARM / FISHERS	P=0.246	P=0.500N	P=0.500N	P=0.500
MAX-ISO-POLY-3	P=0.128	P=0.177N	P=0.179N	P=0.256

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 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 NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

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

---

Liver  
 Clear Cell Focus

**LESION RATES**

OVERALL (a)	4/50 (8%)	3/50 (6%)	2/50 (4%)	2/50 (4%)
POLY-3 RATE (b)	4/46.91	3/43.83	2/43.18	2/41.77
POLY-3 PERCENT (g)	8.5%	6.8%	4.6%	4.8%
TERMINAL (d)	4/38 (11%)	2/31 (7%)	2/34 (6%)	1/32 (3%)
FIRST INCIDENCE	729 (T)	633	729 (T)	225

**STATISTICAL TESTS**

POLY 3	P=0.284N	P=0.537N	P=0.376N	P=0.392N
POLY 1.5	P=0.276N	P=0.523N	P=0.372N	P=0.377N
POLY 6	P=0.288N	P=0.553N	P=0.376N	P=0.403N
COCH-ARM / FISHERS	P=0.248N	P=0.500N	P=0.339N	P=0.339N
MAX-ISO-POLY-3	P=0.392N	P=0.385N	P=0.241N	P=0.256N

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 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 NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

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

Liver  
 Eosinophilic Focus

**LESION RATES**

OVERALL (a)	15/50 (30%)	14/50 (28%)	3/50 (6%)	9/50 (18%)
POLY-3 RATE (b)	15/47.10	14/44.42	3/43.18	9/41.56
POLY-3 PERCENT (g)	31.9%	31.5%	7%	21.7%
TERMINAL (d)	13/38 (34%)	9/31 (29%)	3/34 (9%)	6/32 (19%)
FIRST INCIDENCE	697	618	729 (T)	625

**STATISTICAL TESTS**

POLY 3	P=0.060N	P=0.576N	P=0.003N**	P=0.201N
POLY 1.5	P=0.055N	P=0.547N	P=0.002N**	P=0.179N
POLY 6	P=0.060N	P=0.573	P=0.002N**	P=0.211N
COCH-ARM / FISHERS	P=0.040N*	P=0.500N	P=0.002N**	P=0.121N
MAX-ISO-POLY-3	P=0.044N*	P=0.486N	P=0.002N**	P=0.155N

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 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 NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

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

**Liver  
 Inflammation**

**LESION RATES**

OVERALL (a)	14/50 (28%)	11/50 (22%)	10/50 (20%)	14/50 (28%)
POLY-3 RATE (b)	14/47.84	11/44.40	10/43.45	14/43.08
POLY-3 PERCENT (g)	29.3%	24.8%	23%	32.5%
TERMINAL (d)	10/38 (26%)	9/31 (29%)	9/34 (27%)	8/32 (25%)
FIRST INCIDENCE	590	550	654	428

**STATISTICAL TESTS**

POLY 3	P=0.387	P=0.402N	P=0.331N	P=0.458
POLY 1.5	P=0.404	P=0.369N	P=0.316N	P=0.487
POLY 6	P=0.387	P=0.444N	P=0.340N	P=0.446
COCH-ARM / FISHERS	P=0.489	P=0.322N	P=0.241N	P=0.588N
MAX-ISO-POLY-3	P=0.398	P=0.320N	P=0.260N	P=0.375



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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 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 NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

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

Liver  
 Mixed Cell Focus

**LESION RATES**

OVERALL (a)	2/50 (4%)	5/50 (10%)	2/50 (4%)	2/50 (4%)
POLY-3 RATE (b)	2/46.95	5/43.84	2/43.95	2/41.37
POLY-3 PERCENT (g)	4.3%	11.4%	4.6%	4.8%
TERMINAL (d)	1/38 (3%)	3/31 (10%)	1/34 (3%)	0/32 (0%)
FIRST INCIDENCE	719	668	444	625

**STATISTICAL TESTS**

POLY 3	P=0.462N	P=0.189	P=0.670	P=0.647
POLY 1.5	P=0.448N	P=0.200	P=0.671	P=0.659
POLY 6	P=0.468N	P=0.178	P=0.672	P=0.642
COCH-ARM / FISHERS	P=0.397N	P=0.218	P=0.691N	P=0.691N
MAX-ISO-POLY-3	P=0.467N	P=0.108	P=0.473	P=0.450

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 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 NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

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

Liver  
 Tension Lipidosis

**LESION RATES**

OVERALL (a)	2/50 (4%)	5/50 (10%)	4/50 (8%)	8/50 (16%)
POLY-3 RATE (b)	2/46.91	5/44.62	4/44.17	8/42.33
POLY-3 PERCENT (g)	4.3%	11.2%	9.1%	18.9%
TERMINAL (d)	2/38 (5%)	3/31 (10%)	1/34 (3%)	6/32 (19%)
FIRST INCIDENCE	729 (T)	508	521	232

**STATISTICAL TESTS**

POLY 3	P=0.026*	P=0.196	P=0.310	P=0.030*
POLY 1.5	P=0.029*	P=0.204	P=0.310	P=0.034*
POLY 6	P=0.025*	P=0.187	P=0.315	P=0.028*
COCH-ARM / FISHERS	P=0.040*	P=0.218	P=0.339	P=0.046*
MAX-ISO-POLY-3	P=0.024*	P=0.111	P=0.187	P=0.017*

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 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 NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

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

Liver: Hepatocyte  
 Necrosis

**LESION RATES**

OVERALL (a)	4/50 (8%)	2/50 (4%)	0/50 (0%)	1/50 (2%)
POLY-3 RATE (b)	4/46.95	2/44.41	0/43.18	1/40.88
POLY-3 PERCENT (g)	8.5%	4.5%	0%	2.5%
TERMINAL (d)	3/38 (8%)	0/31 (0%)	0/34 (0%)	0/32 (0%)
FIRST INCIDENCE	719	428	---	709

**STATISTICAL TESTS**

POLY 3	P=0.094N	P=0.363N	P=0.072N	P=0.224N
POLY 1.5	P=0.093N	P=0.353N	P=0.070N	P=0.211N
POLY 6	P=0.093N	P=0.377N	P=0.072N	P=0.232N
COCH-ARM / FISHERS	P=0.086N	P=0.339N	P=0.059N	P=0.181N
MAX-ISO-POLY-3	P=0.079N	P=0.227N	P=0.028N*	P=0.127N

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 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 NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

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

Liver: Hepatocyte  
 Vacuolization Cytoplasmic Diffuse

**LESION RATES**

OVERALL (a)	8/50 (16%)	10/50 (20%)	10/50 (20%)	5/50 (10%)
POLY-3 RATE (b)	8/48.41	10/45.03	10/44.85	5/41.40
POLY-3 PERCENT (g)	16.5%	22.2%	22.3%	12.1%
TERMINAL (d)	4/38 (11%)	4/31 (13%)	5/34 (15%)	3/32 (9%)
FIRST INCIDENCE	536	588	521	625

**STATISTICAL TESTS**

POLY 3	P=0.314N	P=0.333	P=0.330	P=0.385N
POLY 1.5	P=0.279N	P=0.357	P=0.336	P=0.353N
POLY 6	P=0.337N	P=0.309	P=0.332	P=0.408N
COCH-ARM / FISHERS	P=0.192N	P=0.398	P=0.398	P=0.277N
MAX-ISO-POLY-3	P=0.288N	P=0.252	P=0.250	P=0.292N

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 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 NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

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

---

**Lung  
 Congestion**

**LESION RATES**

OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	3/50 (6%)
POLY-3 RATE (b)	0/46.91	0/43.48	0/43.18	3/43.54
POLY-3 PERCENT (g)	0%	0%	0%	6.9%
TERMINAL (d)	0/38 (0%)	0/31 (0%)	0/34 (0%)	0/32 (0%)
FIRST INCIDENCE	---	---	---	225

**STATISTICAL TESTS**

POLY 3	P=0.010**	(e)	(e)	P=0.106
POLY 1.5	P=0.010**	(e)	(e)	P=0.110
POLY 6	P=0.010**	(e)	(e)	P=0.103
COCH-ARM / FISHERS	P=0.012*	(e)	(e)	P=0.121
MAX-ISO-POLY-3	P=0.009**	(e)	(e)	P=0.038*

---

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 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 NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

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

Lung  
 Hemorrhage

**LESION RATES**

OVERALL (a)	0/50 (0%)	1/50 (2%)	1/50 (2%)	0/50 (0%)
POLY-3 RATE (b)	0/46.91	1/43.48	1/43.25	0/40.80
POLY-3 PERCENT (g)	0%	2.3%	2.3%	0%
TERMINAL (d)	0/38 (0%)	1/31 (3%)	0/34 (0%)	0/32 (0%)
FIRST INCIDENCE	---	729 (T)	711	---

**STATISTICAL TESTS**

POLY 3	P=0.633N	P=0.485	P=0.484	(e)
POLY 1.5	P=0.623N	P=0.491	P=0.486	(e)
POLY 6	P=0.639N	P=0.478	P=0.484	(e)
COCH-ARM / FISHERS	P=0.595N	P=0.500	P=0.500	(e)
MAX-ISO-POLY-3	P=0.420	P=0.158	P=0.158	(e)

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 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 NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

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

---

**Lung  
 Inflammation**

**LESION RATES**

OVERALL (a)	2/50 (4%)	6/50 (12%)	2/50 (4%)	6/50 (12%)
POLY-3 RATE (b)	2/46.91	6/43.99	2/44.18	6/40.80
POLY-3 PERCENT (g)	4.3%	13.6%	4.5%	14.7%
TERMINAL (d)	2/38 (5%)	3/31 (10%)	1/34 (3%)	6/32 (19%)
FIRST INCIDENCE	729 (T)	633	37	729 (T)

**STATISTICAL TESTS**

POLY 3	P=0.136	P=0.113	P=0.672	P=0.093
POLY 1.5	P=0.148	P=0.121	P=0.675	P=0.103
POLY 6	P=0.129	P=0.105	P=0.673	P=0.086
COCH-ARM / FISHERS	P=0.189	P=0.134	P=0.691N	P=0.134
MAX-ISO-POLY-3	P=0.087	P=0.062	P=0.475	P=0.055

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 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 NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

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

**Lung  
 Thrombosis**

**LESION 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	2/43.25	0/40.80
POLY-3 PERCENT (g)	0%	0%	4.6%	0%
TERMINAL (d)	0/38 (0%)	0/31 (0%)	1/34 (3%)	0/32 (0%)
FIRST INCIDENCE	---	---	711	---

**STATISTICAL TESTS**

POLY 3	P=0.530	(e)	P=0.220	(e)
POLY 1.5	P=0.548	(e)	P=0.222	(e)
POLY 6	P=0.519	(e)	P=0.220	(e)
COCH-ARM / FISHERS	P=0.595	(e)	P=0.247	(e)
MAX-ISO-POLY-3	P=0.263	(e)	P=0.076	(e)



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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 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 NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

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

**Lung: Alveolar Epithelium  
 Hyperplasia**

**LESION RATES**

OVERALL (a)	2/50 (4%)	3/50 (6%)	2/50 (4%)	1/50 (2%)
POLY-3 RATE (b)	2/46.91	3/43.48	2/43.23	1/40.80
POLY-3 PERCENT (g)	4.3%	6.9%	4.6%	2.5%
TERMINAL (d)	2/38 (5%)	3/31 (10%)	1/34 (3%)	1/32 (3%)
FIRST INCIDENCE	729 (T)	729 (T)	715	729 (T)

**STATISTICAL TESTS**

POLY 3	P=0.368N	P=0.466	P=0.664	P=0.548N
POLY 1.5	P=0.355N	P=0.479	P=0.667	P=0.536N
POLY 6	P=0.375N	P=0.449	P=0.665	P=0.557N
COCH-ARM / FISHERS	P=0.313N	P=0.500	P=0.691N	P=0.500N
MAX-ISO-POLY-3	P=0.421N	P=0.300	P=0.467	P=0.333N

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 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 NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

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

**Lung: Alveolus  
 Infiltration Cellular Histiocyte**

**LESION 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	2/43.27	0/40.80
POLY-3 PERCENT (g)	0%	0%	4.6%	0%
TERMINAL (d)	0/38 (0%)	0/31 (0%)	0/34 (0%)	0/32 (0%)
FIRST INCIDENCE	---	---	711	---

**STATISTICAL TESTS**

POLY 3	P=0.530	(e)	P=0.220	(e)
POLY 1.5	P=0.548	(e)	P=0.222	(e)
POLY 6	P=0.519	(e)	P=0.220	(e)
COCH-ARM / FISHERS	P=0.595	(e)	P=0.247	(e)
MAX-ISO-POLY-3	P=0.263	(e)	P=0.076	(e)

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 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 NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

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

**Lymph Node, Mandibular  
 Infiltration Cellular Histiocyte**

**LESION RATES**

OVERALL (a)	0/50 (0%)	0/49 (0%)	2/50 (4%)	0/50 (0%)
POLY-3 RATE (b)	0/46.91	0/42.48	2/43.18	0/40.80
POLY-3 PERCENT (g)	0%	0%	4.6%	0%
TERMINAL (d)	0/38 (0%)	0/30 (0%)	2/34 (6%)	0/32 (0%)
FIRST INCIDENCE	---	---	729 (T)	---

**STATISTICAL TESTS**

POLY 3	P=0.532	(e)	P=0.219	(e)
POLY 1.5	P=0.549	(e)	P=0.221	(e)
POLY 6	P=0.521	(e)	P=0.219	(e)
COCH-ARM / FISHERS	P=0.596	(e)	P=0.247	(e)
MAX-ISO-POLY-3	P=0.263	(e)	P=0.076	(e)

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 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 NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

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

**Lymph Node, Mesenteric  
 Infiltration Cellular Histiocyte**

**LESION RATES**

OVERALL (a)	0/49 (0%)	0/50 (0%)	2/50 (4%)	0/50 (0%)
POLY-3 RATE (b)	0/45.91	0/43.48	2/43.68	0/40.80
POLY-3 PERCENT (g)	0%	0%	4.6%	0%
TERMINAL (d)	0/37 (0%)	0/31 (0%)	1/34 (3%)	0/32 (0%)
FIRST INCIDENCE	---	---	578	---

**STATISTICAL TESTS**

POLY 3	P=0.533	(e)	P=0.226	(e)
POLY 1.5	P=0.551	(e)	P=0.227	(e)
POLY 6	P=0.522	(e)	P=0.228	(e)
COCH-ARM / FISHERS	P=0.598	(e)	P=0.253	(e)
MAX-ISO-POLY-3	P=0.266	(e)	P=0.077	(e)

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 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 NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

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

**Lymph Node, Mesenteric  
 Inflammation**

**LESION RATES**

OVERALL (a)	0/49 (0%)	0/50 (0%)	2/50 (4%)	1/50 (2%)
POLY-3 RATE (b)	0/45.91	0/43.48	2/43.18	1/41.17
POLY-3 PERCENT (g)	0%	0%	4.6%	2.4%
TERMINAL (d)	0/37 (0%)	0/31 (0%)	1/34 (3%)	0/32 (0%)
FIRST INCIDENCE	---	---	728	625

**STATISTICAL TESTS**

POLY 3	P=0.210	(e)	P=0.224	P=0.478
POLY 1.5	P=0.218	(e)	P=0.226	P=0.485
POLY 6	P=0.207	(e)	P=0.224	P=0.475
COCH-ARM / FISHERS	P=0.249	(e)	P=0.253	P=0.505
MAX-ISO-POLY-3	P=0.182	(e)	P=0.077	P=0.160

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 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 NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

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

---

Lymph Node: Renal Hemorrhage

**LESION RATES**

OVERALL (a)	0/4 (0%)	2/4 (50%)	1/6 (17%)	0/6 (0%)
POLY-3 RATE (b)	0/3.33	2/4.00	1/4.92	0/4.97
POLY-3 PERCENT (g)	0%	50%	20.3%	0%
TERMINAL (d)	0/0 (0%)	0/2 (0%)	0/3 (0%)	0/3 (0%)
FIRST INCIDENCE	---	550	578	---

**STATISTICAL TESTS**

POLY 3	P=0.313N	P=0.241	P=0.578	(e)
POLY 1.5	P=0.322N	P=0.218	P=0.563	(e)
POLY 6	P=0.290N	P=0.282	P=0.601	(e)
COCH-ARM / FISHERS	P=0.336N	P=0.214	P=0.600	(e)
MAX-ISO-POLY-3	P=0.274N	P=0.075	P=0.225	(e)

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 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 NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

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

**Mammary Gland  
 Hyperplasia Focal**

**LESION RATES**

OVERALL (a)	0/50 (0%)	2/50 (4%)	3/50 (6%)	2/50 (4%)
POLY-3 RATE (b)	0/46.91	2/43.48	3/43.95	2/40.80
POLY-3 PERCENT (g)	0%	4.6%	6.8%	4.9%
TERMINAL (d)	0/38 (0%)	2/31 (7%)	2/34 (6%)	2/32 (6%)
FIRST INCIDENCE	---	729 (T)	444	729 (T)

**STATISTICAL TESTS**

POLY 3	P=0.179	P=0.221	P=0.107	P=0.208
POLY 1.5	P=0.193	P=0.227	P=0.108	P=0.215
POLY 6	P=0.171	P=0.213	P=0.108	P=0.203
COCH-ARM / FISHERS	P=0.237	P=0.247	P=0.121	P=0.247
MAX-ISO-POLY-3	P=0.150	P=0.076	P=0.038*	P=0.075

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 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 NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

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

**Mesentery  
 Necrosis**

**LESION RATES**

OVERALL (a)	8/8 (100%)	8/9 (89%)	5/7 (71%)	4/4 (100%)
POLY-3 RATE (b)	8/8.00	8/8.23	5/6.50	4/4.00
POLY-3 PERCENT (g)	100%	97.2%	76.9%	100%
TERMINAL (d)	7/7 (100%)	7/7 (100%)	5/6 (83%)	2/2 (100%)
FIRST INCIDENCE	712	704	729 (T)	644

**STATISTICAL TESTS**

POLY 3	P=0.574N	P=0.999N	P=0.267N	(e)
POLY 1.5	P=0.550N	P=0.856N	P=0.225N	(e)
POLY 6	P=0.613N	P=1.000N	P=0.343N	(e)
COCH-ARM / FISHERS	P=0.534N	P=0.529N	P=0.200N	(e)
MAX-ISO-POLY-3	P=0.264N	P=0.178N	P=0.070N	(e)



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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
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 NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
TERMINAL SACRIFICE AT 105 WEEKS**

---

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

---

**Nose  
Inflammation**

---

**LESION RATES**

OVERALL (a)	1/50 (2%)	0/50 (0%)	4/50 (8%)	3/49 (6%)
POLY-3 RATE (b)	1/46.95	0/43.48	4/45.54	3/41.86
POLY-3 PERCENT (g)	2.1%	0%	8.8%	7.2%
TERMINAL (d)	0/38 (0%)	0/31 (0%)	0/34 (0%)	1/32 (3%)
FIRST INCIDENCE	719	---	369	232

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**STATISTICAL TESTS**

POLY 3	P=0.088	P=0.515N	P=0.170	P=0.265
POLY 1.5	P=0.092	P=0.509N	P=0.167	P=0.274
POLY 6	P=0.088	P=0.523N	P=0.175	P=0.261
COCH-ARM / FISHERS	P=0.106	P=0.500N	P=0.181	P=0.301
MAX-ISO-POLY-3	P=0.105	P=0.177N	P=0.081	P=0.139

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 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 NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

---

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

---

**Nose  
 Polyp, Inflammatory**

**LESION RATES**

OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/49 (0%)
POLY-3 RATE (b)	0/46.91	0/43.48	0/43.18	0/40.61
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/38 (0%)	0/31 (0%)	0/34 (0%)	0/32 (0%)
FIRST INCIDENCE	---	---	---	---

**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)

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 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 NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

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

**Ovary  
 Cyst**

**LESION RATES**

OVERALL (a)	4/50 (8%)	7/50 (14%)	6/50 (12%)	2/50 (4%)
POLY-3 RATE (b)	4/46.91	7/43.93	6/43.18	2/40.88
POLY-3 PERCENT (g)	8.5%	15.9%	13.9%	4.9%
TERMINAL (d)	4/38 (11%)	4/31 (13%)	6/34 (18%)	1/32 (3%)
FIRST INCIDENCE	729 (T)	648	729 (T)	709

**STATISTICAL TESTS**

POLY 3	P=0.280N	P=0.224	P=0.318	P=0.403N
POLY 1.5	P=0.258N	P=0.238	P=0.325	P=0.385N
POLY 6	P=0.292N	P=0.209	P=0.318	P=0.414N
COCH-ARM / FISHERS	P=0.196N	P=0.262	P=0.370	P=0.339N
MAX-ISO-POLY-3	P=0.219N	P=0.147	P=0.220	P=0.266N

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 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 NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

---

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

---

**Ovary  
 Hemorrhage**

**LESION RATES**

OVERALL (a)	0/50 (0%)	1/50 (2%)	2/50 (4%)	1/50 (2%)
POLY-3 RATE (b)	0/46.91	1/43.48	2/43.18	1/41.03
POLY-3 PERCENT (g)	0%	2.3%	4.6%	2.4%
TERMINAL (d)	0/38 (0%)	1/31 (3%)	2/34 (6%)	0/32 (0%)
FIRST INCIDENCE	---	729 (T)	729 (T)	668

**STATISTICAL TESTS**

POLY 3	P=0.309	P=0.485	P=0.219	P=0.473
POLY 1.5	P=0.323	P=0.491	P=0.221	P=0.480
POLY 6	P=0.301	P=0.478	P=0.219	P=0.469
COCH-ARM / FISHERS	P=0.366	P=0.500	P=0.247	P=0.500
MAX-ISO-POLY-3	P=0.239	P=0.158	P=0.076	P=0.158

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 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 NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

---

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

---

**Ovary  
 Inflammation**

**LESION RATES**

OVERALL (a)	2/50 (4%)	0/50 (0%)	2/50 (4%)	0/50 (0%)
POLY-3 RATE (b)	2/46.98	0/43.48	2/43.68	0/40.80
POLY-3 PERCENT (g)	4.3%	0%	4.6%	0%
TERMINAL (d)	1/38 (3%)	0/31 (0%)	1/34 (3%)	0/32 (0%)
FIRST INCIDENCE	712	---	578	---

**STATISTICAL TESTS**

POLY 3	P=0.269N	P=0.255N	P=0.667	P=0.270N
POLY 1.5	P=0.265N	P=0.248N	P=0.669	P=0.261N
POLY 6	P=0.270N	P=0.264N	P=0.669	P=0.276N
COCH-ARM / FISHERS	P=0.247N	P=0.247N	P=0.691N	P=0.247N
MAX-ISO-POLY-3	P=0.170N	P=0.093N	P=0.470	P=0.107N

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 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 NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

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

**Pancreas  
 Basophilic Focus**

**LESION RATES**

OVERALL (a)	0/50 (0%)	2/50 (4%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/46.91	2/44.06	0/43.18	0/40.80
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	---	588	---	---

**STATISTICAL TESTS**

POLY 3	P=0.441N	P=0.223	(e)	(e)
POLY 1.5	P=0.432N	P=0.229	(e)	(e)
POLY 6	P=0.448N	P=0.218	(e)	(e)
COCH-ARM / FISHERS	P=0.405N	P=0.247	(e)	(e)
MAX-ISO-POLY-3	P=0.294N	P=0.076	(e)	(e)

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 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 NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

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

---

**Pancreas  
 Infiltration Cellular**

**LESION RATES**

OVERALL (a)	0/50 (0%)	3/50 (6%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/46.91	3/43.48	0/43.18	0/40.80
POLY-3 PERCENT (g)	0%	6.9%	0%	0%
TERMINAL (d)	0/38 (0%)	3/31 (10%)	0/34 (0%)	0/32 (0%)
FIRST INCIDENCE	---	729 (T)	---	---

**STATISTICAL TESTS**

POLY 3	P=0.357N	P=0.106	(e)	(e)
POLY 1.5	P=0.344N	P=0.111	(e)	(e)
POLY 6	P=0.367N	P=0.100	(e)	(e)
COCH-ARM / FISHERS	P=0.311N	P=0.121	(e)	(e)
MAX-ISO-POLY-3	P=0.207N	P=0.038*	(e)	(e)

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 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 NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

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

**Pancreas  
 Inflammation**

**LESION RATES**

OVERALL (a)	0/50 (0%)	2/50 (4%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/46.91	2/43.61	0/43.18	0/40.80
POLY-3 PERCENT (g)	0%	4.6%	0%	0%
TERMINAL (d)	0/38 (0%)	1/31 (3%)	0/34 (0%)	0/32 (0%)
FIRST INCIDENCE	---	697	---	---

**STATISTICAL TESTS**

POLY 3	P=0.442N	P=0.221	(e)	(e)
POLY 1.5	P=0.432N	P=0.228	(e)	(e)
POLY 6	P=0.450N	P=0.214	(e)	(e)
COCH-ARM / FISHERS	P=0.405N	P=0.247	(e)	(e)
MAX-ISO-POLY-3	P=0.292N	P=0.076	(e)	(e)



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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 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 NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

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

**Pancreas: Acinus  
 Hyperplasia**

**LESION RATES**

OVERALL (a)	4/50 (8%)	1/50 (2%)	1/50 (2%)	0/50 (0%)
POLY-3 RATE (b)	4/46.91	1/43.48	1/43.18	0/40.80
POLY-3 PERCENT (g)	8.5%	2.3%	2.3%	0%
TERMINAL (d)	4/38 (11%)	1/31 (3%)	1/34 (3%)	0/32 (0%)
FIRST INCIDENCE	729 (T)	729 (T)	729 (T)	---

**STATISTICAL TESTS**

POLY 3	P=0.037N*	P=0.203N	P=0.205N	P=0.080N
POLY 1.5	P=0.037N*	P=0.193N	P=0.202N	P=0.075N
POLY 6	P=0.037N*	P=0.214N	P=0.205N	P=0.084N
COCH-ARM / FISHERS	P=0.034N*	P=0.181N	P=0.181N	P=0.059N
MAX-ISO-POLY-3	P=0.030N*	P=0.106N	P=0.108N	P=0.036N*

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 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 NON-NEOPLASTIC LESIONS 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  
 Cyst**

**LESION RATES**

OVERALL (a)	0/50 (0%)	2/50 (4%)	0/50 (0%)	0/49 (0%)
POLY-3 RATE (b)	0/46.91	2/43.48	0/43.18	0/39.80
POLY-3 PERCENT (g)	0%	4.6%	0%	0%
TERMINAL (d)	0/38 (0%)	2/31 (7%)	0/34 (0%)	0/31 (0%)
FIRST INCIDENCE	---	729 (T)	---	---

**STATISTICAL TESTS**

POLY 3	P=0.447N	P=0.221	(e)	(e)
POLY 1.5	P=0.437N	P=0.227	(e)	(e)
POLY 6	P=0.455N	P=0.213	(e)	(e)
COCH-ARM / FISHERS	P=0.409N	P=0.247	(e)	(e)
MAX-ISO-POLY-3	P=0.298N	P=0.076	(e)	(e)

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 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 NON-NEOPLASTIC LESIONS 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  
 Hyperplasia**

**LESION RATES**

OVERALL (a)	18/50 (36%)	18/50 (36%)	19/50 (38%)	18/49 (37%)
POLY-3 RATE (b)	18/46.95	18/44.60	19/43.18	18/39.96
POLY-3 PERCENT (g)	38.3%	40.4%	44%	45%
TERMINAL (d)	17/38 (45%)	14/31 (45%)	19/34 (56%)	16/31 (52%)
FIRST INCIDENCE	719	633	729 (T)	709

**STATISTICAL TESTS**

POLY 3	P=0.277	P=0.506	P=0.370	P=0.339
POLY 1.5	P=0.329	P=0.534	P=0.386	P=0.396
POLY 6	P=0.248	P=0.481	P=0.366	P=0.303
COCH-ARM / FISHERS	P=0.497	P=0.582N	P=0.500	P=0.553
MAX-ISO-POLY-3	P=0.446	P=0.421	P=0.299	P=0.277

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 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 NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

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

**Skin  
 Inflammation**

**LESION 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	1/43.68	0/40.80
POLY-3 PERCENT (g)	2.1%	0%	2.3%	0%
TERMINAL (d)	1/38 (3%)	0/31 (0%)	0/34 (0%)	0/32 (0%)
FIRST INCIDENCE	729 (T)	---	578	---

**STATISTICAL TESTS**

POLY 3	P=0.418N	P=0.515N	P=0.744	P=0.528N
POLY 1.5	P=0.417N	P=0.509N	P=0.745	P=0.520N
POLY 6	P=0.417N	P=0.522N	P=0.746	P=0.533N
COCH-ARM / FISHERS	P=0.405N	P=0.500N	P=0.753N	P=0.500N
MAX-ISO-POLY-3	P=0.310N	P=0.177N	P=0.479	P=0.192N

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 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 NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

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

Skin  
 Ulcer

**LESION RATES**

OVERALL (a)	1/50 (2%)	1/50 (2%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	1/47.05	1/43.50	0/43.18	0/40.80
POLY-3 PERCENT (g)	2.1%	2.3%	0%	0%
TERMINAL (d)	0/38 (0%)	0/31 (0%)	0/34 (0%)	0/32 (0%)
FIRST INCIDENCE	692	725	---	---

**STATISTICAL TESTS**

POLY 3	P=0.246N	P=0.743	P=0.517N	P=0.528N
POLY 1.5	P=0.245N	P=0.750	P=0.515N	P=0.521N
POLY 6	P=0.247N	P=0.734	P=0.518N	P=0.534N
COCH-ARM / FISHERS	P=0.236N	P=0.753N	P=0.500N	P=0.500N
MAX-ISO-POLY-3	P=0.296N	P=0.477	P=0.180N	P=0.193N

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 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 NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

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

**Skin: Subcutaneous Tissue  
 Fibrosis**

**LESION RATES**

OVERALL (a)	2/50 (4%)	4/50 (8%)	1/50 (2%)	1/50 (2%)
POLY-3 RATE (b)	2/46.91	4/43.50	1/43.18	1/40.80
POLY-3 PERCENT (g)	4.3%	9.2%	2.3%	2.5%
TERMINAL (d)	2/38 (5%)	3/31 (10%)	1/34 (3%)	1/32 (3%)
FIRST INCIDENCE	729 (T)	725	729 (T)	729 (T)

**STATISTICAL TESTS**

POLY 3	P=0.279N	P=0.303	P=0.529N	P=0.548N
POLY 1.5	P=0.268N	P=0.317	P=0.525N	P=0.536N
POLY 6	P=0.286N	P=0.287	P=0.529N	P=0.557N
COCH-ARM / FISHERS	P=0.232N	P=0.339	P=0.500N	P=0.500N
MAX-ISO-POLY-3	P=0.302N	P=0.183	P=0.312N	P=0.333N

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 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 NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

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

**Spleen  
 Hematopoietic Cell Proliferation**

**LESION RATES**

OVERALL (a)	4/50 (8%)	2/50 (4%)	2/49 (4%)	2/50 (4%)
POLY-3 RATE (b)	4/47.45	2/43.78	2/42.52	2/40.88
POLY-3 PERCENT (g)	8.4%	4.6%	4.7%	4.9%
TERMINAL (d)	2/38 (5%)	1/31 (3%)	0/34 (0%)	1/32 (3%)
FIRST INCIDENCE	590	648	673	709

**STATISTICAL TESTS**

POLY 3	P=0.335N	P=0.375N	P=0.389N	P=0.408N
POLY 1.5	P=0.326N	P=0.360N	P=0.384N	P=0.388N
POLY 6	P=0.338N	P=0.393N	P=0.389N	P=0.423N
COCH-ARM / FISHERS	P=0.293N	P=0.339N	P=0.349N	P=0.339N
MAX-ISO-POLY-3	P=0.394N	P=0.239N	P=0.252N	P=0.272N

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 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 NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

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

**Spleen  
 Hyperplasia Lymphoid**

**LESION RATES**

OVERALL (a)	22/50 (44%)	23/50 (46%)	24/49 (49%)	12/50 (24%)
POLY-3 RATE (b)	22/47.45	23/44.45	24/43.58	12/41.16
POLY-3 PERCENT (g)	46.4%	51.7%	55.1%	29.2%
TERMINAL (d)	20/38 (53%)	17/31 (55%)	21/34 (62%)	10/32 (31%)
FIRST INCIDENCE	590	633	299	654

**STATISTICAL TESTS**

POLY 3	P=0.058N	P=0.378	P=0.266	P=0.072N
POLY 1.5	P=0.044N*	P=0.425	P=0.278	P=0.056N
POLY 6	P=0.065N	P=0.332	P=0.268	P=0.082N
COCH-ARM / FISHERS	P=0.018N*	P=0.500	P=0.384	P=0.028N*
MAX-ISO-POLY-3	P=0.038N*	P=0.307	P=0.210	P=0.057N



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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 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 NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

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

---

**Spleen: Lymphoid Follicle  
 Atrophy**

**LESION RATES**

OVERALL (a)	2/50 (4%)	1/50 (2%)	4/49 (8%)	3/50 (6%)
POLY-3 RATE (b)	2/48.01	1/43.96	4/44.37	3/42.80
POLY-3 PERCENT (g)	4.2%	2.3%	9%	7%
TERMINAL (d)	0/38 (0%)	0/31 (0%)	1/34 (3%)	0/32 (0%)
FIRST INCIDENCE	536	588	37	410

**STATISTICAL TESTS**

POLY 3	P=0.249	P=0.531N	P=0.302	P=0.448
POLY 1.5	P=0.257	P=0.519N	P=0.305	P=0.461
POLY 6	P=0.245	P=0.545N	P=0.302	P=0.439
COCH-ARM / FISHERS	P=0.291	P=0.500N	P=0.329	P=0.500
MAX-ISO-POLY-3	P=0.282	P=0.314N	P=0.182	P=0.290

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Ginseng  
 CAS Number: 50647-08-0

Date Report Requested: 08/27/2008  
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 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

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

**Stomach, Forestomach  
 Inflammation**

**LESION RATES**

OVERALL (a)	0/50 (0%)	1/50 (2%)	1/50 (2%)	0/50 (0%)
POLY-3 RATE (b)	0/46.91	1/43.60	1/43.23	0/40.80
POLY-3 PERCENT (g)	0%	2.3%	2.3%	0%
TERMINAL (d)	0/38 (0%)	0/31 (0%)	0/34 (0%)	0/32 (0%)
FIRST INCIDENCE	---	701	715	---

**STATISTICAL TESTS**

POLY 3	P=0.633N	P=0.485	P=0.484	(e)
POLY 1.5	P=0.623N	P=0.491	P=0.486	(e)
POLY 6	P=0.639N	P=0.479	P=0.484	(e)
COCH-ARM / FISHERS	P=0.595N	P=0.500	P=0.500	(e)
MAX-ISO-POLY-3	P=0.420	P=0.158	P=0.158	(e)

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 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 NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

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

**Stomach, Forestomach  
 Ulcer**

**LESION RATES**

OVERALL (a)	0/50 (0%)	0/50 (0%)	1/50 (2%)	0/50 (0%)
POLY-3 RATE (b)	0/46.91	0/43.48	1/43.26	0/40.80
POLY-3 PERCENT (g)	0%	0%	2.3%	0%
TERMINAL (d)	0/38 (0%)	0/31 (0%)	0/34 (0%)	0/32 (0%)
FIRST INCIDENCE	---	---	709	---

**STATISTICAL TESTS**

POLY 3	P=0.644	(e)	P=0.484	(e)
POLY 1.5	P=0.658	(e)	P=0.486	(e)
POLY 6	P=0.635	(e)	P=0.484	(e)
COCH-ARM / FISHERS	P=0.694	(e)	P=0.500	(e)
MAX-ISO-POLY-3	P=0.397	(e)	P=0.158	(e)

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 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 NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

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

**Stomach, Forestomach: Epithelium  
 Hyperplasia**

**LESION RATES**

OVERALL (a)	2/50 (4%)	2/50 (4%)	3/50 (6%)	4/50 (8%)
POLY-3 RATE (b)	2/46.91	2/43.72	3/43.31	4/40.80
POLY-3 PERCENT (g)	4.3%	4.6%	6.9%	9.8%
TERMINAL (d)	2/38 (5%)	0/31 (0%)	1/34 (3%)	4/32 (13%)
FIRST INCIDENCE	729 (T)	697	709	729 (T)

**STATISTICAL TESTS**

POLY 3	P=0.170	P=0.668	P=0.464	P=0.275
POLY 1.5	P=0.181	P=0.678	P=0.467	P=0.292
POLY 6	P=0.165	P=0.657	P=0.465	P=0.265
COCH-ARM / FISHERS	P=0.216	P=0.691N	P=0.500	P=0.339
MAX-ISO-POLY-3	P=0.259	P=0.471	P=0.299	P=0.171

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 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 NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

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

Stomach, Forestomach: Epithelium  
 Hyperplasia Focal

**LESION RATES**

OVERALL (a)	0/50 (0%)	1/50 (2%)	2/50 (4%)	0/50 (0%)
POLY-3 RATE (b)	0/46.91	1/44.15	2/43.45	0/40.80
POLY-3 PERCENT (g)	0%	2.3%	4.6%	0%
TERMINAL (d)	0/38 (0%)	0/31 (0%)	1/34 (3%)	0/32 (0%)
FIRST INCIDENCE	---	508	654	---

**STATISTICAL TESTS**

POLY 3	P=0.619	P=0.488	P=0.221	(e)
POLY 1.5	P=0.638	P=0.493	P=0.222	(e)
POLY 6	P=0.605	P=0.482	P=0.222	(e)
COCH-ARM / FISHERS	P=0.616N	P=0.500	P=0.247	(e)
MAX-ISO-POLY-3	P=0.344	P=0.158	P=0.076	(e)

TDMS No. 20005 - 06  
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Species/Strain: MICE/B6C3F1

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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
TERMINAL SACRIFICE AT 105 WEEKS**

---

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

---

**Thyroid Gland: Follicle  
Cyst**

---

**LESION RATES**

OVERALL (a)	0/49 (0%)	1/50 (2%)	2/50 (4%)	1/50 (2%)
POLY-3 RATE (b)	0/46.00	1/43.48	2/43.18	1/40.80
POLY-3 PERCENT (g)	0%	2.3%	4.6%	2.5%
TERMINAL (d)	0/38 (0%)	1/31 (3%)	2/34 (6%)	1/32 (3%)
FIRST INCIDENCE	---	729 (T)	729 (T)	729 (T)

---

**STATISTICAL TESTS**

POLY 3	P=0.310	P=0.489	P=0.223	P=0.476
POLY 1.5	P=0.326	P=0.495	P=0.226	P=0.484
POLY 6	P=0.300	P=0.481	P=0.223	P=0.471
COCH-ARM / FISHERS	P=0.371	P=0.505	P=0.253	P=0.505
MAX-ISO-POLY-3	P=0.242	P=0.160	P=0.077	P=0.160

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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

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

Tooth  
 Dysplasia

**LESION RATES**

OVERALL (a)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)
POLY-3 RATE (b)	0/0.00	0/0.00	0/0.00	0/0.00
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)
FIRST INCIDENCE	---	---	---	---

**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)

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

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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

---

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

---

**Uterus  
 Inflammation**

**LESION RATES**

OVERALL (a)	2/50 (4%)	2/50 (4%)	2/50 (4%)	0/50 (0%)
POLY-3 RATE (b)	2/46.98	2/43.61	2/43.18	0/40.80
POLY-3 PERCENT (g)	4.3%	4.6%	4.6%	0%
TERMINAL (d)	1/38 (3%)	1/31 (3%)	1/34 (3%)	0/32 (0%)
FIRST INCIDENCE	712	697	728	---

**STATISTICAL TESTS**

POLY 3	P=0.199N	P=0.667	P=0.663	P=0.270N
POLY 1.5	P=0.190N	P=0.677	P=0.667	P=0.261N
POLY 6	P=0.204N	P=0.654	P=0.663	P=0.276N
COCH-ARM / FISHERS	P=0.163N	P=0.691N	P=0.691N	P=0.247N
MAX-ISO-POLY-3	P=0.229N	P=0.470	P=0.466	P=0.107N

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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

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

Uterus: Endometrium  
 Hyperplasia Cystic

**LESION RATES**

OVERALL (a)	47/50 (94%)	40/50 (80%)	35/50 (70%)	43/50 (86%)
POLY-3 RATE (b)	47/48.44	40/48.23	35/46.24	43/46.40
POLY-3 PERCENT (g)	97%	82.9%	75.7%	92.7%
TERMINAL (d)	38/38 (100%)	27/31 (87%)	26/34 (77%)	30/32 (94%)
FIRST INCIDENCE	590	449	299	225

**STATISTICAL TESTS**

POLY 3	P=0.395N	P=0.015N*	P<0.001N**	P=0.278N
POLY 1.5	P=0.359N	P=0.022N*	P=0.002N**	P=0.250N
POLY 6	P=0.395N	P=0.010N**	P<0.001N**	P=0.254N
COCH-ARM / FISHERS	P=0.235N	P=0.036N*	P=0.002N**	P=0.159N
MAX-ISO-POLY-3	P=0.030N*	P=0.006N**	P<0.001N**	P=0.132N

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Ginseng  
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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 \*\*\*