

TDMS No. 99037 - 06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
alpha/beta Thujone mixture
CAS Number: THUJONEMIXAB

Date Report Requested: 09/09/2010
Time Report Requested: 12:54:20
First Dose M/F: 06/30/03 / 06/30/03
Lab: SRI

Spec. Run excl. high dose

C Number:	C99037B		
Lock Date:	11/20/2006		
Cage Range:	ALL		
Date Range:	ALL		
Reasons For Removal:	ALL		
Removal Date Range:	ALL		
Treatment Groups:	Include 001 0 MG/KG	Include 002 0 MG/KG	Include 003 3 MG/KG
	Include 004 3 MG/KG	Include 005 6 MG/KG	Include 006 6 MG/KG
	Include 007 12 MG/KG	Include 008 12 MG/KG	
Study Gender:	Both		
TDMSE Version:	2.2.0		

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SUMMARY OF STATISTICALLY SIGNIFICANT ($P \leq .05$) RESULTS IN THE ANALYSIS OF ALPHA/BETA THUJONE MIXTURE

MALE MICE

Organ

Adrenal Cortex: Subcapsular
Eye
Kidney

Liver

Liver: Hepatocyte
Lung
Lymph Node, Mandibular
Pancreas
Parathyroid Gland
Salivary Glands
Testes: Germinal Epithelium
Urinary Bladder

FEMALE MICE

Organ

Adrenal Cortex: Capsule
Esophagus

Intestine Large, Cecum
Islets, Pancreatic
Kidney

Liver

Liver: Hepatocyte
Lung

Lymph Node, Mandibular

Morphology

Hyperplasia
Inflammation Chronic
Infiltration Cellular Lymphocyte
Metaplasia Osseous
Basophilic Focus
Necrosis Focal
Vacuolization Cytoplasmic
Thrombosis
Hyperplasia Lymphoid
Atrophy
Cyst
Infiltration Cellular Lymphocyte
Atrophy
Infiltration Cellular Lymphocyte

Morphology

Hyperplasia
Inflammation Acute
Ulcer
Edema
Hyperplasia
Cyst
Infiltration Cellular Lymphocyte
Nephropathy
Mixed Cell Focus
Necrosis Focal
Vacuolization Cytoplasmic
Foreign Body
Hemorrhage
Inflammation Acute
Hyperplasia Lymphoid

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SUMMARY OF STATISTICALLY SIGNIFICANT (P<=.05) RESULTS IN THE ANALYSIS OF ALPHA/BETA THUJONE MIXTURE

Pancreas
Pituitary Gland: Pars Distalis
Thymus

Thyroid Gland: Follicle
Thyroid Gland: Follicular Cell
Uterus: Endometrium

Infiltration Cellular Lymphocyte
Cyst
Hyperplasia Lymphoid
Inflammation Chronic
Degeneration Focal
Hyperplasia
Hyperplasia Cystic

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

DOSE	Males			
	0 MG/KG	3 MG/KG	6 MG/KG	12 MG/KG
Adrenal Cortex				
Accessory Adrenal Cortical Nodule				
LESION RATES				
OVERALL (a)	4/50 (8%)	5/50 (10%)	7/50 (14%)	2/50 (4%)
POLY-3 RATE (b)	4/45.42	5/48.15	7/48.46	2/43.84
POLY-3 PERCENT (g)	8.8%	10.4%	14.4%	4.6%
TERMINAL (d)	4/40 (10%)	4/42 (10%)	6/41 (15%)	2/37 (5%)
FIRST INCIDENCE	729 (T)	4	664	729 (T)
STATISTICAL TESTS				
POLY 3	P=0.313N	P=0.536	P=0.300	P=0.353N
POLY 1.5	P=0.306N	P=0.522	P=0.285	P=0.351N
POLY 6	P=0.320N	P=0.553	P=0.316	P=0.356N
COCH-ARM / FISHERS	P=0.279N	P=0.500	P=0.262	P=0.339N
MAX-ISO-POLY-3	P=0.244N	P=0.399	P=0.207	P=0.217N

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

DOSE	Males			
	0 MG/KG	3 MG/KG	6 MG/KG	12 MG/KG
Adrenal Cortex Hyperplasia Focal				
LESION RATES				
OVERALL (a)	5/50 (10%)	7/50 (14%)	5/50 (10%)	2/50 (4%)
POLY-3 RATE (b)	5/45.42	7/47.15	5/48.61	2/43.84
POLY-3 PERCENT (g)	11%	14.9%	10.3%	4.6%
TERMINAL (d)	5/40 (13%)	7/42 (17%)	3/41 (7%)	2/37 (5%)
FIRST INCIDENCE	729 (T)	729 (T)	664	729 (T)
STATISTICAL TESTS				
POLY 3	P=0.131N	P=0.406	P=0.587N	P=0.230N
POLY 1.5	P=0.129N	P=0.390	P=0.604N	P=0.229N
POLY 6	P=0.133N	P=0.424	P=0.568N	P=0.232N
COCH-ARM / FISHERS	P=0.119N	P=0.380	P=0.630N	P=0.218N
MAX-ISO-POLY-3	P=0.165N	P=0.296	P=0.455N	P=0.133N

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

DOSE	Males			
	0 MG/KG	3 MG/KG	6 MG/KG	12 MG/KG
Adrenal Cortex				
Hypertrophy Focal				
LESION RATES				
OVERALL (a)	16/50 (32%)	20/50 (40%)	20/50 (40%)	14/50 (28%)
POLY-3 RATE (b)	16/46.53	20/48.21	20/48.54	14/44.34
POLY-3 PERCENT (g)	34.4%	41.5%	41.2%	31.6%
TERMINAL (d)	14/40 (35%)	17/42 (41%)	18/41 (44%)	13/37 (35%)
FIRST INCIDENCE	498	529	677	579
STATISTICAL TESTS				
POLY 3	P=0.369N	P=0.308	P=0.318	P=0.475N
POLY 1.5	P=0.347N	P=0.280	P=0.297	P=0.462N
POLY 6	P=0.393N	P=0.344	P=0.340	P=0.489N
COCH-ARM / FISHERS	P=0.291N	P=0.266	P=0.266	P=0.414N
MAX-ISO-POLY-3	P=0.385N	P=0.243	P=0.251	P=0.389N

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 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/KG	3 MG/KG	6 MG/KG	12 MG/KG
Adrenal Cortex: Capsule Hyperplasia				
LESION RATES				
OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/45.42	0/47.15	0/48.22	0/43.84
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/40 (0%)	0/42 (0%)	0/41 (0%)	0/37 (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

DOSE	Males			
	0 MG/KG	3 MG/KG	6 MG/KG	12 MG/KG
Adrenal Cortex: Subcapsular Hyperplasia				
LESION RATES				
OVERALL (a)	11/50 (22%)	7/50 (14%)	4/50 (8%)	7/50 (14%)
POLY-3 RATE (b)	11/45.62	7/47.15	4/48.22	7/43.84
POLY-3 PERCENT (g)	24.1%	14.9%	8.3%	16%
TERMINAL (d)	10/40 (25%)	7/42 (17%)	4/41 (10%)	7/37 (19%)
FIRST INCIDENCE	677	729 (T)	729 (T)	729 (T)
STATISTICAL TESTS				
POLY 3	P=0.194N	P=0.193N	P=0.033N*	P=0.243N
POLY 1.5	P=0.190N	P=0.208N	P=0.037N*	P=0.239N
POLY 6	P=0.199N	P=0.178N	P=0.030N*	P=0.248N
COCH-ARM / FISHERS	P=0.180N	P=0.218N	P=0.045N*	P=0.218N
MAX-ISO-POLY-3	P=0.098N	P=0.133N	P=0.020N*	P=0.173N

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 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/KG	3 MG/KG	6 MG/KG	12 MG/KG
Adrenal Medulla Hyperplasia				
LESION RATES				
OVERALL (a)	0/49 (0%)	2/49 (4%)	1/50 (2%)	0/50 (0%)
POLY-3 RATE (b)	0/44.42	2/46.21	1/48.22	0/43.84
POLY-3 PERCENT (g)	0%	4.3%	2.1%	0%
TERMINAL (d)	0/39 (0%)	2/42 (5%)	1/41 (2%)	0/37 (0%)
FIRST INCIDENCE	---	729 (T)	729 (T)	---
STATISTICAL TESTS				
POLY 3	P=0.461N	P=0.246	P=0.516	(e)
POLY 1.5	P=0.462N	P=0.241	P=0.512	(e)
POLY 6	P=0.459N	P=0.252	P=0.521	(e)
COCH-ARM / FISHERS	P=0.455N	P=0.247	P=0.505	(e)
MAX-ISO-POLY-3	P=0.347N	P=0.085	P=0.177	(e)

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TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Males			
	0 MG/KG	3 MG/KG	6 MG/KG	12 MG/KG

**Bone Marrow
Hyperplasia**

LESION RATES

OVERALL (a)	23/50 (46%)	25/50 (50%)	23/50 (46%)	21/50 (42%)
POLY-3 RATE (b)	23/49.03	25/48.57	23/49.80	21/49.00
POLY-3 PERCENT (g)	46.9%	51.5%	46.2%	42.9%
TERMINAL (d)	15/40 (38%)	21/42 (50%)	15/41 (37%)	9/37 (24%)
FIRST INCIDENCE	476	529	589	456

STATISTICAL TESTS

POLY 3	P=0.308N	P=0.403	P=0.551N	P=0.421N
POLY 1.5	P=0.322N	P=0.396	P=0.562N	P=0.435N
POLY 6	P=0.290N	P=0.408	P=0.538N	P=0.403N
COCH-ARM / FISHERS	P=0.316N	P=0.421	P=0.579N	P=0.420N
MAX-ISO-POLY-3	P=0.429N	P=0.328	P=0.470N	P=0.343N

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 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/KG	3 MG/KG	6 MG/KG	12 MG/KG
Bone Fibrosis				
LESION RATES				
OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/49 (0%)
POLY-3 RATE (b)	0/45.42	0/47.15	0/48.22	0/42.84
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/40 (0%)	0/42 (0%)	0/41 (0%)	0/36 (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	3 MG/KG	6 MG/KG	12 MG/KG
Bone Fracture				
LESION RATES				
OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/49 (0%)
POLY-3 RATE (b)	0/45.42	0/47.15	0/48.22	0/42.84
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/40 (0%)	0/42 (0%)	0/41 (0%)	0/36 (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**

DOSE	Males			
	0 MG/KG	3 MG/KG	6 MG/KG	12 MG/KG
Bone: Cranium				
Osteopetrosis				
LESION RATES				
OVERALL (a)	1/50 (2%)	1/50 (2%)	0/50 (0%)	2/49 (4%)
POLY-3 RATE (b)	1/45.42	1/47.15	0/48.22	2/42.84
POLY-3 PERCENT (g)	2.2%	2.1%	0%	4.7%
TERMINAL (d)	1/40 (3%)	1/42 (2%)	0/41 (0%)	2/36 (6%)
FIRST INCIDENCE	729 (T)	729 (T)	---	729 (T)
STATISTICAL TESTS				
POLY 3	P=0.353	P=0.752N	P=0.488N	P=0.480
POLY 1.5	P=0.355	P=0.757N	P=0.493N	P=0.482
POLY 6	P=0.351	P=0.746N	P=0.484N	P=0.477
COCH-ARM / FISHERS	P=0.360	P=0.753N	P=0.500N	P=0.492
MAX-ISO-POLY-3	P=0.256	P=0.489N	P=0.158N	P=0.268

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 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/KG	3 MG/KG	6 MG/KG	12 MG/KG
Epididymis				
Granuloma Sperm				
LESION RATES				
OVERALL (a)	0/50 (0%)	2/50 (4%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/45.42	2/47.15	0/48.22	0/43.84
POLY-3 PERCENT (g)	0%	4.2%	0%	0%
TERMINAL (d)	0/40 (0%)	2/42 (5%)	0/41 (0%)	0/37 (0%)
FIRST INCIDENCE	---	729 (T)	---	---
STATISTICAL TESTS				
POLY 3	P=0.400N	P=0.246	(e)	(e)
POLY 1.5	P=0.404N	P=0.240	(e)	(e)
POLY 6	P=0.395N	P=0.251	(e)	(e)
COCH-ARM / FISHERS	P=0.405N	P=0.247	(e)	(e)
MAX-ISO-POLY-3	P=0.273N	P=0.084	(e)	(e)

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 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/KG	3 MG/KG	6 MG/KG	12 MG/KG
Esophagus				
Inflammation Acute				
LESION RATES				
OVERALL (a)	0/50 (0%)	1/50 (2%)	0/50 (0%)	0/49 (0%)
POLY-3 RATE (b)	0/45.42	1/48.15	0/48.22	0/42.84
POLY-3 PERCENT (g)	0%	2.1%	0%	0%
TERMINAL (d)	0/40 (0%)	0/42 (0%)	0/41 (0%)	0/36 (0%)
FIRST INCIDENCE	---	4	---	---
STATISTICAL TESTS				
POLY 3	P=0.560N	P=0.512	(e)	(e)
POLY 1.5	P=0.565N	P=0.507	(e)	(e)
POLY 6	P=0.556N	P=0.517	(e)	(e)
COCH-ARM / FISHERS	P=0.571N	P=0.500	(e)	(e)
MAX-ISO-POLY-3	P=0.414N	P=0.173	(e)	(e)

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 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/KG	3 MG/KG	6 MG/KG	12 MG/KG
Esophagus				
Ulcer				
LESION RATES				
OVERALL (a)	0/50 (0%)	1/50 (2%)	0/50 (0%)	0/49 (0%)
POLY-3 RATE (b)	0/45.42	1/48.15	0/48.22	0/42.84
POLY-3 PERCENT (g)	0%	2.1%	0%	0%
TERMINAL (d)	0/40 (0%)	0/42 (0%)	0/41 (0%)	0/36 (0%)
FIRST INCIDENCE	---	4	---	---
STATISTICAL TESTS				
POLY 3	P=0.560N	P=0.512	(e)	(e)
POLY 1.5	P=0.565N	P=0.507	(e)	(e)
POLY 6	P=0.556N	P=0.517	(e)	(e)
COCH-ARM / FISHERS	P=0.571N	P=0.500	(e)	(e)
MAX-ISO-POLY-3	P=0.414N	P=0.173	(e)	(e)

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 alpha/beta Thujone mixture
 CAS Number: THUJONEMIXAB

Date Report Requested: 09/09/2010
 Time Report Requested: 12:54:20
 First Dose M/F: 06/30/03 / 06/30/03
 Lab: SRI

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

DOSE	Males			
	0 MG/KG	3 MG/KG	6 MG/KG	12 MG/KG
Eye				
Cataract				
LESION RATES				
OVERALL (a)	0/50 (0%)	1/50 (2%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/45.42	1/47.15	0/48.22	0/43.84
POLY-3 PERCENT (g)	0%	2.1%	0%	0%
TERMINAL (d)	0/40 (0%)	1/42 (2%)	0/41 (0%)	0/37 (0%)
FIRST INCIDENCE	---	729 (T)	---	---
STATISTICAL TESTS				
POLY 3	P=0.560N	P=0.507	(e)	(e)
POLY 1.5	P=0.564N	P=0.503	(e)	(e)
POLY 6	P=0.555N	P=0.513	(e)	(e)
COCH-ARM / FISHERS	P=0.567N	P=0.500	(e)	(e)
MAX-ISO-POLY-3	P=0.405N	P=0.168	(e)	(e)

TDMS No. 99037 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 alpha/beta Thujone mixture
 CAS Number: THUJONEMIXAB

Date Report Requested: 09/09/2010
 Time Report Requested: 12:54:20
 First Dose M/F: 06/30/03 / 06/30/03
 Lab: SRI

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

DOSE	Males			
	0 MG/KG	3 MG/KG	6 MG/KG	12 MG/KG
Eye				
Inflammation Chronic				
LESION RATES				
OVERALL (a)	0/50 (0%)	3/50 (6%)	2/50 (4%)	0/50 (0%)
POLY-3 RATE (b)	0/45.42	3/47.15	2/48.37	0/43.84
POLY-3 PERCENT (g)	0%	6.4%	4.1%	0%
TERMINAL (d)	0/40 (0%)	3/42 (7%)	1/41 (2%)	0/37 (0%)
FIRST INCIDENCE	---	729 (T)	691	---
STATISTICAL TESTS				
POLY 3	P=0.422N	P=0.126	P=0.252	(e)
POLY 1.5	P=0.421N	P=0.121	P=0.246	(e)
POLY 6	P=0.423N	P=0.130	P=0.258	(e)
COCH-ARM / FISHERS	P=0.409N	P=0.121	P=0.247	(e)
MAX-ISO-POLY-3	P=0.251	P=0.044*	P=0.090	(e)

TDMS No. 99037 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 alpha/beta Thujone mixture
 CAS Number: THUJONEMIXAB

Date Report Requested: 09/09/2010
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 First Dose M/F: 06/30/03 / 06/30/03
 Lab: SRI

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

DOSE	Males			
	0 MG/KG	3 MG/KG	6 MG/KG	12 MG/KG
Eye: Cornea Hyperplasia				
LESION RATES				
OVERALL (a)	0/50 (0%)	2/50 (4%)	1/50 (2%)	0/50 (0%)
POLY-3 RATE (b)	0/45.42	2/47.15	1/48.22	0/43.84
POLY-3 PERCENT (g)	0%	4.2%	2.1%	0%
TERMINAL (d)	0/40 (0%)	2/42 (5%)	1/41 (2%)	0/37 (0%)
FIRST INCIDENCE	---	729 (T)	729 (T)	---
STATISTICAL TESTS				
POLY 3	P=0.467N	P=0.246	P=0.512	(e)
POLY 1.5	P=0.468N	P=0.240	P=0.507	(e)
POLY 6	P=0.467N	P=0.251	P=0.516	(e)
COCH-ARM / FISHERS	P=0.461N	P=0.247	P=0.500	(e)
MAX-ISO-POLY-3	P=0.353N	P=0.084	P=0.173	(e)

TDMS No. 99037 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 alpha/beta Thujone mixture
 CAS Number: THUJONEMIXAB

Date Report Requested: 09/09/2010
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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/KG	3 MG/KG	6 MG/KG	12 MG/KG
Gallbladder Pigmentation				
LESION RATES				
OVERALL (a)	0/43 (0%)	0/45 (0%)	0/44 (0%)	0/41 (0%)
POLY-3 RATE (b)	0/40.30	0/42.77	0/42.83	0/38.07
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/37 (0%)	0/40 (0%)	0/38 (0%)	0/34 (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. 99037 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 alpha/beta Thujone mixture
 CAS Number: THUJONEMIXAB

Date Report Requested: 09/09/2010
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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/KG	3 MG/KG	6 MG/KG	12 MG/KG
Harderian Gland Hyperplasia Focal				
LESION RATES				
OVERALL (a)	1/50 (2%)	4/50 (8%)	0/50 (0%)	2/50 (4%)
POLY-3 RATE (b)	1/45.42	4/47.15	0/48.22	2/43.84
POLY-3 PERCENT (g)	2.2%	8.5%	0%	4.6%
TERMINAL (d)	1/40 (3%)	4/42 (10%)	0/41 (0%)	2/37 (5%)
FIRST INCIDENCE	729 (T)	729 (T)	---	729 (T)
STATISTICAL TESTS				
POLY 3	P=0.578N	P=0.190	P=0.488N	P=0.488
POLY 1.5	P=0.581N	P=0.183	P=0.493N	P=0.490
POLY 6	P=0.575N	P=0.198	P=0.484N	P=0.486
COCH-ARM / FISHERS	P=0.577N	P=0.181	P=0.500N	P=0.500
MAX-ISO-POLY-3	P=0.355N	P=0.095	P=0.158N	P=0.273

TDMS No. 99037 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 alpha/beta Thujone mixture
 CAS Number: THUJONEMIXAB

Date Report Requested: 09/09/2010
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 First Dose M/F: 06/30/03 / 06/30/03
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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/KG	3 MG/KG	6 MG/KG	12 MG/KG
Heart				
Cardiomyopathy				
LESION RATES				
OVERALL (a)	0/50 (0%)	2/50 (4%)	0/50 (0%)	1/50 (2%)
POLY-3 RATE (b)	0/45.42	2/47.21	0/48.22	1/43.84
POLY-3 PERCENT (g)	0%	4.2%	0%	2.3%
TERMINAL (d)	0/40 (0%)	1/42 (2%)	0/41 (0%)	1/37 (3%)
FIRST INCIDENCE	---	715	---	729 (T)
STATISTICAL TESTS				
POLY 3	P=0.533	P=0.246	(e)	P=0.493
POLY 1.5	P=0.532	P=0.241	(e)	P=0.494
POLY 6	P=0.534	P=0.252	(e)	P=0.492
COCH-ARM / FISHERS	P=0.539	P=0.247	(e)	P=0.500
MAX-ISO-POLY-3	P=0.332	P=0.084	(e)	P=0.158

TDMS No. 99037 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 alpha/beta Thujone mixture
 CAS Number: THUJONEMIXAB

Date Report Requested: 09/09/2010
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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/KG	3 MG/KG	6 MG/KG	12 MG/KG
Heart				
Inflammation Acute				
LESION RATES				
OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/45.42	0/47.15	0/48.22	0/43.84
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/40 (0%)	0/42 (0%)	0/41 (0%)	0/37 (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. 99037 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 alpha/beta Thujone mixture
 CAS Number: THUJONEMIXAB

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

DOSE	Males			
	0 MG/KG	3 MG/KG	6 MG/KG	12 MG/KG
Heart Mineralization				
LESION RATES				
OVERALL (a)	1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	1/45.42	0/47.15	0/48.22	0/43.84
POLY-3 PERCENT (g)	2.2%	0%	0%	0%
TERMINAL (d)	1/40 (3%)	0/42 (0%)	0/41 (0%)	0/37 (0%)
FIRST INCIDENCE	729 (T)	---	---	---
STATISTICAL TESTS				
POLY 3	P=0.302N	P=0.493N	P=0.488N	P=0.507N
POLY 1.5	P=0.302N	P=0.497N	P=0.493N	P=0.506N
POLY 6	P=0.302N	P=0.487N	P=0.484N	P=0.508N
COCH-ARM / FISHERS	P=0.306N	P=0.500N	P=0.500N	P=0.500N
MAX-ISO-POLY-3	P=0.136N	P=0.159N	P=0.158N	P=0.167N

TDMS No. 99037 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

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

DOSE	Males			
	0 MG/KG	3 MG/KG	6 MG/KG	12 MG/KG
Intestine Large, Cecum Edema				
LESION RATES				
OVERALL (a)	0/48 (0%)	0/50 (0%)	0/49 (0%)	0/49 (0%)
POLY-3 RATE (b)	0/44.36	0/47.15	0/47.43	0/43.26
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/40 (0%)	0/42 (0%)	0/41 (0%)	0/37 (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. 99037 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 alpha/beta Thujone mixture
 CAS Number: THUJONEMIXAB

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

DOSE	Males			
	0 MG/KG	3 MG/KG	6 MG/KG	12 MG/KG
Islets, Pancreatic Hyperplasia				
LESION RATES				
OVERALL (a)	12/50 (24%)	8/50 (16%)	12/50 (24%)	10/50 (20%)
POLY-3 RATE (b)	12/45.42	8/47.15	12/48.34	10/43.99
POLY-3 PERCENT (g)	26.4%	17%	24.8%	22.7%
TERMINAL (d)	12/40 (30%)	8/42 (19%)	11/41 (27%)	9/37 (24%)
FIRST INCIDENCE	729 (T)	729 (T)	698	691
STATISTICAL TESTS				
POLY 3	P=0.520N	P=0.197N	P=0.524N	P=0.437N
POLY 1.5	P=0.508N	P=0.215N	P=0.551N	P=0.433N
POLY 6	P=0.530N	P=0.178N	P=0.495N	P=0.439N
COCH-ARM / FISHERS	P=0.477N	P=0.227N	P=0.592N	P=0.405N
MAX-ISO-POLY-3	P=0.474N	P=0.138N	P=0.430N	P=0.345N

TDMS No. 99037 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 alpha/beta Thujone mixture
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STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Males			
	0 MG/KG	3 MG/KG	6 MG/KG	12 MG/KG
Kidney Cyst				
LESION RATES				
OVERALL (a)	11/50 (22%)	15/50 (30%)	9/50 (18%)	9/50 (18%)
POLY-3 RATE (b)	11/46.06	15/47.15	9/48.43	9/44.26
POLY-3 PERCENT (g)	23.9%	31.8%	18.6%	20.3%
TERMINAL (d)	9/40 (23%)	15/42 (36%)	8/41 (20%)	8/37 (22%)
FIRST INCIDENCE	631	729 (T)	675	608
STATISTICAL TESTS				
POLY 3	P=0.237N	P=0.267	P=0.353N	P=0.440N
POLY 1.5	P=0.231N	P=0.252	P=0.372N	P=0.432N
POLY 6	P=0.243N	P=0.280	P=0.338N	P=0.449N
COCH-ARM / FISHERS	P=0.210N	P=0.247	P=0.402N	P=0.402N
MAX-ISO-POLY-3	P=0.290N	P=0.200	P=0.271N	P=0.345N

TDMS No. 99037 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 alpha/beta Thujone mixture
 CAS Number: THUJONEMIXAB

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

DOSE	Males			
	0 MG/KG	3 MG/KG	6 MG/KG	12 MG/KG
Kidney Infarct				
LESION RATES				
OVERALL (a)	2/50 (4%)	3/50 (6%)	6/50 (12%)	5/50 (10%)
POLY-3 RATE (b)	2/45.42	3/47.15	6/48.22	5/43.84
POLY-3 PERCENT (g)	4.4%	6.4%	12.4%	11.4%
TERMINAL (d)	2/40 (5%)	3/42 (7%)	6/41 (15%)	5/37 (14%)
FIRST INCIDENCE	729 (T)	729 (T)	729 (T)	729 (T)
STATISTICAL TESTS				
POLY 3	P=0.126	P=0.517	P=0.153	P=0.202
POLY 1.5	P=0.131	P=0.506	P=0.146	P=0.204
POLY 6	P=0.121	P=0.529	P=0.161	P=0.199
COCH-ARM / FISHERS	P=0.145	P=0.500	P=0.134	P=0.218
MAX-ISO-POLY-3	P=0.176	P=0.342	P=0.088	P=0.113

TDMS No. 99037 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

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

DOSE	Males			
	0 MG/KG	3 MG/KG	6 MG/KG	12 MG/KG
Kidney				
Infiltration Cellular Lymphocyte				
LESION RATES				
OVERALL (a)	1/50 (2%)	6/50 (12%)	5/50 (10%)	5/50 (10%)
POLY-3 RATE (b)	1/45.42	6/47.15	5/48.34	5/44.50
POLY-3 PERCENT (g)	2.2%	12.7%	10.3%	11.2%
TERMINAL (d)	1/40 (3%)	6/42 (14%)	4/41 (10%)	3/37 (8%)
FIRST INCIDENCE	729 (T)	729 (T)	698	545
STATISTICAL TESTS				
POLY 3	P=0.172	P=0.062	P=0.117	P=0.096
POLY 1.5	P=0.172	P=0.059	P=0.111	P=0.097
POLY 6	P=0.172	P=0.067	P=0.123	P=0.097
COCH-ARM / FISHERS	P=0.184	P=0.056	P=0.102	P=0.102
MAX-ISO-POLY-3	P=0.109	P=0.029*	P=0.058	P=0.043*

TDMS No. 99037 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

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

DOSE	Males			
	0 MG/KG	3 MG/KG	6 MG/KG	12 MG/KG
Kidney				
Metaplasia Osseous				
LESION RATES				
OVERALL (a)	2/50 (4%)	0/50 (0%)	5/50 (10%)	6/50 (12%)
POLY-3 RATE (b)	2/45.95	0/47.15	5/48.34	6/43.84
POLY-3 PERCENT (g)	4.4%	0%	10.3%	13.7%
TERMINAL (d)	1/40 (3%)	0/42 (0%)	4/41 (10%)	6/37 (16%)
FIRST INCIDENCE	568	---	698	729 (T)
STATISTICAL TESTS				
POLY 3	P=0.018*	P=0.232N	P=0.238	P=0.118
POLY 1.5	P=0.019*	P=0.236N	P=0.230	P=0.122
POLY 6	P=0.016*	P=0.227N	P=0.246	P=0.114
COCH-ARM / FISHERS	P=0.023*	P=0.247N	P=0.218	P=0.134
MAX-ISO-POLY-3	P=0.026*	P=0.076N	P=0.140	P=0.064

TDMS No. 99037 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 alpha/beta Thujone mixture
 CAS Number: THUJONEMIXAB

Date Report Requested: 09/09/2010
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 Lab: SRI

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

DOSE	Males			
	0 MG/KG	3 MG/KG	6 MG/KG	12 MG/KG
Kidney				
Nephropathy				
LESION RATES				
OVERALL (a)	40/50 (80%)	41/50 (82%)	38/50 (76%)	38/50 (76%)
POLY-3 RATE (b)	40/48.00	41/47.94	38/48.80	38/46.73
POLY-3 PERCENT (g)	83.3%	85.5%	77.9%	81.3%
TERMINAL (d)	34/40 (85%)	37/42 (88%)	34/41 (83%)	32/37 (87%)
FIRST INCIDENCE	476	654	675	470
STATISTICAL TESTS				
POLY 3	P=0.363N	P=0.494	P=0.332N	P=0.506N
POLY 1.5	P=0.350N	P=0.461	P=0.358N	P=0.493N
POLY 6	P=0.389N	P=0.530	P=0.317N	P=0.531N
COCH-ARM / FISHERS	P=0.290N	P=0.500	P=0.405N	P=0.405N
MAX-ISO-POLY-3	P=0.427N	P=0.378	P=0.244N	P=0.394N

TDMS No. 99037 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 alpha/beta Thujone mixture
 CAS Number: THUJONEMIXAB

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 First Dose M/F: 06/30/03 / 06/30/03
 Lab: SRI

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

DOSE	Males			
	0 MG/KG	3 MG/KG	6 MG/KG	12 MG/KG
Kidney: Renal Tubule Accumulation, Hyaline Droplet				
LESION RATES				
OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/45.42	0/47.15	0/48.22	0/43.84
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/40 (0%)	0/42 (0%)	0/41 (0%)	0/37 (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. 99037 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 alpha/beta Thujone mixture
 CAS Number: THUJONEMIXAB

Date Report Requested: 09/09/2010
 Time Report Requested: 12:54:20
 First Dose M/F: 06/30/03 / 06/30/03
 Lab: SRI

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

DOSE	Males			
	0 MG/KG	3 MG/KG	6 MG/KG	12 MG/KG
Kidney: Renal Tubule Pigmentation				
LESION RATES				
OVERALL (a)	1/50 (2%)	3/50 (6%)	0/50 (0%)	1/50 (2%)
POLY-3 RATE (b)	1/45.42	3/47.40	0/48.22	1/43.99
POLY-3 PERCENT (g)	2.2%	6.3%	0%	2.3%
TERMINAL (d)	1/40 (3%)	2/42 (5%)	0/41 (0%)	0/37 (0%)
FIRST INCIDENCE	729 (T)	663	---	691
STATISTICAL TESTS				
POLY 3	P=0.408N	P=0.321	P=0.488N	P=0.754
POLY 1.5	P=0.411N	P=0.312	P=0.493N	P=0.754
POLY 6	P=0.404N	P=0.332	P=0.484N	P=0.753
COCH-ARM / FISHERS	P=0.409N	P=0.309	P=0.500N	P=0.753N
MAX-ISO-POLY-3	P=0.293N	P=0.171	P=0.158N	P=0.490

TDMS No. 99037 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 alpha/beta Thujone mixture
 CAS Number: THUJONEMIXAB

Date Report Requested: 09/09/2010
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 First Dose M/F: 06/30/03 / 06/30/03
 Lab: SRI

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

DOSE	Males			
	0 MG/KG	3 MG/KG	6 MG/KG	12 MG/KG
Liver				
Basophilic Focus				
LESION RATES				
OVERALL (a)	2/50 (4%)	1/50 (2%)	0/50 (0%)	5/50 (10%)
POLY-3 RATE (b)	2/45.42	1/47.15	0/48.22	5/44.92
POLY-3 PERCENT (g)	4.4%	2.1%	0%	11.1%
TERMINAL (d)	2/40 (5%)	1/42 (2%)	0/41 (0%)	3/37 (8%)
FIRST INCIDENCE	729 (T)	729 (T)	---	545
STATISTICAL TESTS				
POLY 3	P=0.068	P=0.487N	P=0.224N	P=0.211
POLY 1.5	P=0.069	P=0.495N	P=0.229N	P=0.210
POLY 6	P=0.068	P=0.478N	P=0.219N	P=0.214
COCH-ARM / FISHERS	P=0.072	P=0.500N	P=0.247N	P=0.218
MAX-ISO-POLY-3	P=0.028*	P=0.273N	P=0.076N	P=0.117

TDMS No. 99037 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 alpha/beta Thujone mixture
 CAS Number: THUJONEMIXAB

Date Report Requested: 09/09/2010
 Time Report Requested: 12:54:20
 First Dose M/F: 06/30/03 / 06/30/03
 Lab: SRI

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

DOSE	Males			
	0 MG/KG	3 MG/KG	6 MG/KG	12 MG/KG
Liver				
Clear Cell Focus				
LESION RATES				
OVERALL (a)	17/50 (34%)	14/50 (28%)	13/50 (26%)	21/50 (42%)
POLY-3 RATE (b)	17/46.10	14/47.15	13/48.42	21/44.34
POLY-3 PERCENT (g)	36.9%	29.7%	26.9%	47.4%
TERMINAL (d)	16/40 (40%)	14/42 (33%)	12/41 (29%)	20/37 (54%)
FIRST INCIDENCE	498	729 (T)	677	579
STATISTICAL TESTS				
POLY 3	P=0.135	P=0.303N	P=0.204N	P=0.210
POLY 1.5	P=0.145	P=0.325N	P=0.225N	P=0.221
POLY 6	P=0.126	P=0.277N	P=0.182N	P=0.201
COCH-ARM / FISHERS	P=0.173	P=0.333N	P=0.257N	P=0.268
MAX-ISO-POLY-3	P=0.087	P=0.233N	P=0.152N	P=0.158

TDMS No. 99037 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 alpha/beta Thujone mixture
 CAS Number: THUJONEMIXAB

Date Report Requested: 09/09/2010
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 Lab: SRI

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

DOSE	Males			
	0 MG/KG	3 MG/KG	6 MG/KG	12 MG/KG
Liver				
Eosinophilic Focus				
LESION RATES				
OVERALL (a)	2/50 (4%)	5/50 (10%)	6/50 (12%)	5/50 (10%)
POLY-3 RATE (b)	2/45.42	5/47.15	6/48.73	5/44.87
POLY-3 PERCENT (g)	4.4%	10.6%	12.3%	11.1%
TERMINAL (d)	2/40 (5%)	5/42 (12%)	3/41 (7%)	2/37 (5%)
FIRST INCIDENCE	729 (T)	729 (T)	675	579
STATISTICAL TESTS				
POLY 3	P=0.216	P=0.232	P=0.157	P=0.211
POLY 1.5	P=0.215	P=0.222	P=0.148	P=0.209
POLY 6	P=0.220	P=0.242	P=0.169	P=0.215
COCH-ARM / FISHERS	P=0.226	P=0.218	P=0.134	P=0.218
MAX-ISO-POLY-3	P=0.199	P=0.134	P=0.092	P=0.117

TDMS No. 99037 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 alpha/beta Thujone mixture
 CAS Number: THUJONEMIXAB

Date Report Requested: 09/09/2010
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 First Dose M/F: 06/30/03 / 06/30/03
 Lab: SRI

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

DOSE	Males			
	0 MG/KG	3 MG/KG	6 MG/KG	12 MG/KG
Liver				
Hematopoietic Cell Proliferation				
LESION RATES				
OVERALL (a)	1/50 (2%)	0/50 (0%)	0/50 (0%)	1/50 (2%)
POLY-3 RATE (b)	1/45.42	0/47.15	0/48.22	1/43.92
POLY-3 PERCENT (g)	2.2%	0%	0%	2.3%
TERMINAL (d)	1/40 (3%)	0/42 (0%)	0/41 (0%)	0/37 (0%)
FIRST INCIDENCE	729 (T)	---	---	709
STATISTICAL TESTS				
POLY 3	P=0.586	P=0.493N	P=0.488N	P=0.753
POLY 1.5	P=0.589	P=0.497N	P=0.493N	P=0.754
POLY 6	P=0.582	P=0.487N	P=0.484N	P=0.753
COCH-ARM / FISHERS	P=0.595	P=0.500N	P=0.500N	P=0.753N
MAX-ISO-POLY-3	P=0.397	P=0.159N	P=0.158N	P=0.490

TDMS No. 99037 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

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

DOSE	Males			
	0 MG/KG	3 MG/KG	6 MG/KG	12 MG/KG
Liver				
Infiltration Cellular Lymphocyte				
LESION RATES				
OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/45.42	0/47.15	0/48.22	0/43.84
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/40 (0%)	0/42 (0%)	0/41 (0%)	0/37 (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. 99037 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 alpha/beta Thujone mixture
 CAS Number: THUJONEMIXAB

Date Report Requested: 09/09/2010
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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/KG	3 MG/KG	6 MG/KG	12 MG/KG
Liver				
Inflammation Chronic				
LESION RATES				
OVERALL (a)	2/50 (4%)	1/50 (2%)	3/50 (6%)	3/50 (6%)
POLY-3 RATE (b)	2/45.62	1/47.15	3/48.22	3/43.84
POLY-3 PERCENT (g)	4.4%	2.1%	6.2%	6.8%
TERMINAL (d)	1/40 (3%)	1/42 (2%)	3/41 (7%)	3/37 (8%)
FIRST INCIDENCE	677	729 (T)	729 (T)	729 (T)
STATISTICAL TESTS				
POLY 3	P=0.280	P=0.488N	P=0.525	P=0.482
POLY 1.5	P=0.287	P=0.496N	P=0.516	P=0.485
POLY 6	P=0.272	P=0.481N	P=0.534	P=0.478
COCH-ARM / FISHERS	P=0.302	P=0.500N	P=0.500	P=0.500
MAX-ISO-POLY-3	P=0.362	P=0.274N	P=0.350	P=0.311

TDMS No. 99037 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 alpha/beta Thujone mixture
 CAS Number: THUJONEMIXAB

Date Report Requested: 09/09/2010
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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/KG	3 MG/KG	6 MG/KG	12 MG/KG
Liver				
Mixed Cell Focus				
LESION RATES				
OVERALL (a)	12/50 (24%)	7/50 (14%)	11/50 (22%)	7/50 (14%)
POLY-3 RATE (b)	12/45.42	7/47.15	11/49.03	7/43.84
POLY-3 PERCENT (g)	26.4%	14.9%	22.4%	16%
TERMINAL (d)	12/40 (30%)	7/42 (17%)	8/41 (20%)	7/37 (19%)
FIRST INCIDENCE	729 (T)	729 (T)	589	729 (T)
STATISTICAL TESTS				
POLY 3	P=0.232N	P=0.130N	P=0.417N	P=0.171N
POLY 1.5	P=0.225N	P=0.144N	P=0.450N	P=0.169N
POLY 6	P=0.240N	P=0.116N	P=0.380N	P=0.172N
COCH-ARM / FISHERS	P=0.203N	P=0.154N	P=0.500N	P=0.154N
MAX-ISO-POLY-3	P=0.185N	P=0.087N	P=0.332N	P=0.117N

TDMS No. 99037 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

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

DOSE	Males			
	0 MG/KG	3 MG/KG	6 MG/KG	12 MG/KG
Liver				
Necrosis Focal				
LESION RATES				
OVERALL (a)	4/50 (8%)	0/50 (0%)	5/50 (10%)	3/50 (6%)
POLY-3 RATE (b)	4/45.71	0/47.15	5/48.57	3/44.27
POLY-3 PERCENT (g)	8.8%	0%	10.3%	6.8%
TERMINAL (d)	3/40 (8%)	0/42 (0%)	3/41 (7%)	1/37 (3%)
FIRST INCIDENCE	649	---	675	652
STATISTICAL TESTS				
POLY 3	P=0.470	P=0.056N	P=0.538	P=0.517N
POLY 1.5	P=0.479	P=0.059N	P=0.523	P=0.515N
POLY 6	P=0.461	P=0.054N	P=0.553	P=0.519N
COCH-ARM / FISHERS	P=0.500	P=0.059N	P=0.500	P=0.500N
MAX-ISO-POLY-3	P=0.339	P=0.019N*	P=0.401	P=0.365N

TDMS No. 99037 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 alpha/beta Thujone mixture
 CAS Number: THUJONEMIXAB

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

DOSE	Males			
	0 MG/KG	3 MG/KG	6 MG/KG	12 MG/KG
Liver				
Tension Lipidosis				
LESION RATES				
OVERALL (a)	0/50 (0%)	0/50 (0%)	1/50 (2%)	0/50 (0%)
POLY-3 RATE (b)	0/45.42	0/47.15	1/48.35	0/43.84
POLY-3 PERCENT (g)	0%	0%	2.1%	0%
TERMINAL (d)	0/40 (0%)	0/42 (0%)	0/41 (0%)	0/37 (0%)
FIRST INCIDENCE	---	---	696	---
STATISTICAL TESTS				
POLY 3	P=0.670	(e)	P=0.512	(e)
POLY 1.5	P=0.677	(e)	P=0.508	(e)
POLY 6	P=0.662	(e)	P=0.518	(e)
COCH-ARM / FISHERS	P=0.694	(e)	P=0.500	(e)
MAX-ISO-POLY-3	P=0.404	(e)	P=0.174	(e)

TDMS No. 99037 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 alpha/beta Thujone mixture
 CAS Number: THUJONEMIXAB

Date Report Requested: 09/09/2010
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 First Dose M/F: 06/30/03 / 06/30/03
 Lab: SRI

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

DOSE	Males			
	0 MG/KG	3 MG/KG	6 MG/KG	12 MG/KG
Liver: Centrilobular Necrosis				
LESION RATES				
OVERALL (a)	0/50 (0%)	2/50 (4%)	1/50 (2%)	0/50 (0%)
POLY-3 RATE (b)	0/45.42	2/48.05	1/48.34	0/43.84
POLY-3 PERCENT (g)	0%	4.2%	2.1%	0%
TERMINAL (d)	0/40 (0%)	0/42 (0%)	0/41 (0%)	0/37 (0%)
FIRST INCIDENCE	---	529	698	---
STATISTICAL TESTS				
POLY 3	P=0.466N	P=0.250	P=0.512	(e)
POLY 1.5	P=0.468N	P=0.243	P=0.508	(e)
POLY 6	P=0.465N	P=0.258	P=0.517	(e)
COCH-ARM / FISHERS	P=0.461N	P=0.247	P=0.500	(e)
MAX-ISO-POLY-3	P=0.357N	P=0.088	P=0.174	(e)

TDMS No. 99037 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 alpha/beta Thujone mixture
 CAS Number: THUJONEMIXAB

Date Report Requested: 09/09/2010
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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/KG	3 MG/KG	6 MG/KG	12 MG/KG
Liver: Hepatocyte Vacuolization Cytoplasmic				
LESION RATES				
OVERALL (a)	23/50 (46%)	13/50 (26%)	20/50 (40%)	17/50 (34%)
POLY-3 RATE (b)	23/46.14	13/47.15	20/48.22	17/43.84
POLY-3 PERCENT (g)	49.9%	27.6%	41.5%	38.8%
TERMINAL (d)	22/40 (55%)	13/42 (31%)	20/41 (49%)	17/37 (46%)
FIRST INCIDENCE	476	729 (T)	729 (T)	729 (T)
STATISTICAL TESTS				
POLY 3	P=0.353N	P=0.020N*	P=0.269N	P=0.196N
POLY 1.5	P=0.332N	P=0.025N*	P=0.299N	P=0.187N
POLY 6	P=0.376N	P=0.015N*	P=0.240N	P=0.204N
COCH-ARM / FISHERS	P=0.284N	P=0.030N*	P=0.343N	P=0.154N
MAX-ISO-POLY-3	P=0.148N	P=0.012N*	P=0.211N	P=0.147N

TDMS No. 99037 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 alpha/beta Thujone mixture
 CAS Number: THUJONEMIXAB

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 Lab: SRI

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

DOSE	Males			
	0 MG/KG	3 MG/KG	6 MG/KG	12 MG/KG
Liver: Kupffer Cell Hyperplasia				
LESION RATES				
OVERALL (a)	0/50 (0%)	0/50 (0%)	1/50 (2%)	0/50 (0%)
POLY-3 RATE (b)	0/45.42	0/47.15	1/48.22	0/43.84
POLY-3 PERCENT (g)	0%	0%	2.1%	0%
TERMINAL (d)	0/40 (0%)	0/42 (0%)	1/41 (2%)	0/37 (0%)
FIRST INCIDENCE	---	---	729 (T)	---
STATISTICAL TESTS				
POLY 3	P=0.670	(e)	P=0.512	(e)
POLY 1.5	P=0.677	(e)	P=0.507	(e)
POLY 6	P=0.663	(e)	P=0.516	(e)
COCH-ARM / FISHERS	P=0.694	(e)	P=0.500	(e)
MAX-ISO-POLY-3	P=0.404	(e)	P=0.173	(e)

TDMS No. 99037 - 06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
alpha/beta Thujone mixture
CAS Number: THUJONEMIXAB

Date Report Requested: 09/09/2010
Time Report Requested: 12:54:20
First Dose M/F: 06/30/03 / 06/30/03
Lab: SRI

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

DOSE	Males			
	0 MG/KG	3 MG/KG	6 MG/KG	12 MG/KG
Lung Foreign Body				
LESION RATES				
OVERALL (a)	0/50 (0%)	0/50 (0%)	1/50 (2%)	0/50 (0%)
POLY-3 RATE (b)	0/45.42	0/47.15	1/48.22	0/43.84
POLY-3 PERCENT (g)	0%	0%	2.1%	0%
TERMINAL (d)	0/40 (0%)	0/42 (0%)	1/41 (2%)	0/37 (0%)
FIRST INCIDENCE	---	---	729 (T)	---
STATISTICAL TESTS				
POLY 3	P=0.670	(e)	P=0.512	(e)
POLY 1.5	P=0.677	(e)	P=0.507	(e)
POLY 6	P=0.663	(e)	P=0.516	(e)
COCH-ARM / FISHERS	P=0.694	(e)	P=0.500	(e)
MAX-ISO-POLY-3	P=0.404	(e)	P=0.173	(e)

TDMS No. 99037 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 alpha/beta Thujone mixture
 CAS Number: THUJONEMIXAB

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 Time Report Requested: 12:54:20
 First Dose M/F: 06/30/03 / 06/30/03
 Lab: SRI

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

DOSE	Males			
	0 MG/KG	3 MG/KG	6 MG/KG	12 MG/KG
Lung Hemorrhage				
LESION RATES				
OVERALL (a)	2/50 (4%)	1/50 (2%)	1/50 (2%)	0/50 (0%)
POLY-3 RATE (b)	2/45.62	1/47.15	1/48.22	0/43.84
POLY-3 PERCENT (g)	4.4%	2.1%	2.1%	0%
TERMINAL (d)	1/40 (3%)	1/42 (2%)	1/41 (2%)	0/37 (0%)
FIRST INCIDENCE	677	729 (T)	729 (T)	---
STATISTICAL TESTS				
POLY 3	P=0.159N	P=0.488N	P=0.481N	P=0.246N
POLY 1.5	P=0.158N	P=0.496N	P=0.488N	P=0.244N
POLY 6	P=0.161N	P=0.481N	P=0.474N	P=0.248N
COCH-ARM / FISHERS	P=0.153N	P=0.500N	P=0.500N	P=0.247N
MAX-ISO-POLY-3	P=0.135N	P=0.274N	P=0.270N	P=0.085N

TDMS No. 99037 - 06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
alpha/beta Thujone mixture
CAS Number: THUJONEMIXAB

Date Report Requested: 09/09/2010
Time Report Requested: 12:54:20
First Dose M/F: 06/30/03 / 06/30/03
Lab: SRI

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

DOSE	Males			
	0 MG/KG	3 MG/KG	6 MG/KG	12 MG/KG
Lung				
Infiltration Cellular Lymphocyte				
LESION RATES				
OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/45.42	0/47.15	0/48.22	0/43.84
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/40 (0%)	0/42 (0%)	0/41 (0%)	0/37 (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. 99037 - 06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
alpha/beta Thujone mixture
CAS Number: THUJONEMIXAB

Date Report Requested: 09/09/2010
Time Report Requested: 12:54:20
First Dose M/F: 06/30/03 / 06/30/03
Lab: SRI

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

DOSE	Males			
	0 MG/KG	3 MG/KG	6 MG/KG	12 MG/KG
Lung				
Inflammation Acute				
<hr/>				
LESION RATES				
OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/45.42	0/47.15	0/48.22	0/43.84
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/40 (0%)	0/42 (0%)	0/41 (0%)	0/37 (0%)
FIRST INCIDENCE	---	---	---	---
<hr/>				
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. 99037 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 alpha/beta Thujone mixture
 CAS Number: THUJONEMIXAB

Date Report Requested: 09/09/2010
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 First Dose M/F: 06/30/03 / 06/30/03
 Lab: SRI

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

DOSE	Males			
	0 MG/KG	3 MG/KG	6 MG/KG	12 MG/KG
Lung				
Inflammation Chronic				
LESION RATES				
OVERALL (a)	0/50 (0%)	1/50 (2%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/45.42	1/48.15	0/48.22	0/43.84
POLY-3 PERCENT (g)	0%	2.1%	0%	0%
TERMINAL (d)	0/40 (0%)	0/42 (0%)	0/41 (0%)	0/37 (0%)
FIRST INCIDENCE	---	4	---	---
STATISTICAL TESTS				
POLY 3	P=0.557N	P=0.512	(e)	(e)
POLY 1.5	P=0.562N	P=0.507	(e)	(e)
POLY 6	P=0.553N	P=0.517	(e)	(e)
COCH-ARM / FISHERS	P=0.567N	P=0.500	(e)	(e)
MAX-ISO-POLY-3	P=0.409N	P=0.173	(e)	(e)

TDMS No. 99037 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 alpha/beta Thujone mixture
 CAS Number: THUJONEMIXAB

Date Report Requested: 09/09/2010
 Time Report Requested: 12:54:20
 First Dose M/F: 06/30/03 / 06/30/03
 Lab: SRI

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

DOSE	Males			
	0 MG/KG	3 MG/KG	6 MG/KG	12 MG/KG
Lung Thrombosis				
LESION RATES				
OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	2/50 (4%)
POLY-3 RATE (b)	0/45.42	0/47.15	0/48.22	2/44.50
POLY-3 PERCENT (g)	0%	0%	0%	4.5%
TERMINAL (d)	0/40 (0%)	0/42 (0%)	0/41 (0%)	0/37 (0%)
FIRST INCIDENCE	---	---	---	545
STATISTICAL TESTS				
POLY 3	P=0.044*	(e)	(e)	P=0.233
POLY 1.5	P=0.044*	(e)	(e)	P=0.232
POLY 6	P=0.044*	(e)	(e)	P=0.233
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. 99037 - 06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
alpha/beta Thujone mixture
CAS Number: THUJONEMIXAB

Date Report Requested: 09/09/2010
Time Report Requested: 12:54:20
First Dose M/F: 06/30/03 / 06/30/03
Lab: SRI

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

DOSE	Males			
	0 MG/KG	3 MG/KG	6 MG/KG	12 MG/KG
Lung: Alveolar Epithelium Hyperplasia				
LESION RATES				
OVERALL (a)	3/50 (6%)	1/50 (2%)	5/50 (10%)	4/50 (8%)
POLY-3 RATE (b)	3/45.42	1/47.15	5/48.38	4/43.92
POLY-3 PERCENT (g)	6.6%	2.1%	10.3%	9.1%
TERMINAL (d)	3/40 (8%)	1/42 (2%)	4/41 (10%)	3/37 (8%)
FIRST INCIDENCE	729 (T)	729 (T)	688	709
STATISTICAL TESTS				
POLY 3	P=0.239	P=0.292N	P=0.392	P=0.482
POLY 1.5	P=0.246	P=0.300N	P=0.378	P=0.484
POLY 6	P=0.231	P=0.283N	P=0.406	P=0.480
COCH-ARM / FISHERS	P=0.264	P=0.309N	P=0.357	P=0.500
MAX-ISO-POLY-3	P=0.268	P=0.149N	P=0.267	P=0.333

TDMS No. 99037 - 06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
alpha/beta Thujone mixture
CAS Number: THUJONEMIXAB

Date Report Requested: 09/09/2010
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Lab: SRI

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

DOSE	Males			
	0 MG/KG	3 MG/KG	6 MG/KG	12 MG/KG
Lymph Node, Mandibular Hematopoietic Cell Proliferation				
LESION RATES				
OVERALL (a)	0/47 (0%)	0/49 (0%)	0/46 (0%)	0/47 (0%)
POLY-3 RATE (b)	0/42.42	0/46.31	0/44.22	0/41.60
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/37 (0%)	0/42 (0%)	0/37 (0%)	0/35 (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. 99037 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 alpha/beta Thujone mixture
 CAS Number: THUJONEMIXAB

Date Report Requested: 09/09/2010
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 First Dose M/F: 06/30/03 / 06/30/03
 Lab: SRI

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

DOSE	Males			
	0 MG/KG	3 MG/KG	6 MG/KG	12 MG/KG
Lymph Node, Mandibular Hyperplasia Lymphoid				
LESION RATES				
OVERALL (a)	5/47 (11%)	1/49 (2%)	9/46 (20%)	5/47 (11%)
POLY-3 RATE (b)	5/42.62	1/46.31	9/44.73	5/41.60
POLY-3 PERCENT (g)	11.7%	2.2%	20.1%	12%
TERMINAL (d)	4/37 (11%)	1/42 (2%)	6/37 (16%)	5/35 (14%)
FIRST INCIDENCE	677	729 (T)	664	729 (T)
STATISTICAL TESTS				
POLY 3	P=0.268	P=0.083N	P=0.219	P=0.616
POLY 1.5	P=0.279	P=0.088N	P=0.203	P=0.616
POLY 6	P=0.255	P=0.078N	P=0.237	P=0.613
COCH-ARM / FISHERS	P=0.305	P=0.093N	P=0.181	P=0.630N
MAX-ISO-POLY-3	P=0.142	P=0.039N*	P=0.150	P=0.483

TDMS No. 99037 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 alpha/beta Thujone mixture
 CAS Number: THUJONEMIXAB

Date Report Requested: 09/09/2010
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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/KG	3 MG/KG	6 MG/KG	12 MG/KG
Lymph Node, Mandibular Pigmentation				
LESION RATES				
OVERALL (a)	0/47 (0%)	2/49 (4%)	0/46 (0%)	1/47 (2%)
POLY-3 RATE (b)	0/42.42	2/46.52	0/44.22	1/42.01
POLY-3 PERCENT (g)	0%	4.3%	0%	2.4%
TERMINAL (d)	0/37 (0%)	1/42 (2%)	0/37 (0%)	0/35 (0%)
FIRST INCIDENCE	---	674	---	608
STATISTICAL TESTS				
POLY 3	P=0.537	P=0.258	(e)	P=0.498
POLY 1.5	P=0.533	P=0.251	(e)	P=0.497
POLY 6	P=0.542	P=0.267	(e)	P=0.499
COCH-ARM / FISHERS	P=0.535	P=0.258	(e)	P=0.500
MAX-ISO-POLY-3	P=0.331	P=0.094	(e)	P=0.158

TDMS No. 99037 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 alpha/beta Thujone mixture
 CAS Number: THUJONEMIXAB

Date Report Requested: 09/09/2010
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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/KG	3 MG/KG	6 MG/KG	12 MG/KG
Lymph Node, Mesenteric Angiectasis				
LESION RATES				
OVERALL (a)	1/49 (2%)	2/48 (4%)	3/47 (6%)	0/47 (0%)
POLY-3 RATE (b)	1/44.42	2/45.64	3/45.62	0/41.47
POLY-3 PERCENT (g)	2.3%	4.4%	6.6%	0%
TERMINAL (d)	1/39 (3%)	2/42 (5%)	3/40 (8%)	0/36 (0%)
FIRST INCIDENCE	729 (T)	729 (T)	729 (T)	---
STATISTICAL TESTS				
POLY 3	P=0.367N	P=0.509	P=0.315	P=0.514N
POLY 1.5	P=0.365N	P=0.500	P=0.305	P=0.514N
POLY 6	P=0.369N	P=0.521	P=0.326	P=0.513N
COCH-ARM / FISHERS	P=0.351N	P=0.492	P=0.293	P=0.510N
MAX-ISO-POLY-3	P=0.223N	P=0.292	P=0.167	P=0.173N

TDMS No. 99037 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

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

DOSE	Males			
	0 MG/KG	3 MG/KG	6 MG/KG	12 MG/KG
Lymph Node, Mesenteric Atrophy				
LESION RATES				
OVERALL (a)	1/49 (2%)	1/48 (2%)	1/47 (2%)	3/47 (6%)
POLY-3 RATE (b)	1/44.87	1/45.64	1/45.72	3/42.53
POLY-3 PERCENT (g)	2.2%	2.2%	2.2%	7.1%
TERMINAL (d)	0/39 (0%)	1/42 (2%)	0/40 (0%)	1/36 (3%)
FIRST INCIDENCE	598	729 (T)	704	518
STATISTICAL TESTS				
POLY 3	P=0.151	P=0.757N	P=0.756N	P=0.286
POLY 1.5	P=0.151	P=0.759	P=0.759	P=0.284
POLY 6	P=0.151	P=0.751N	P=0.751N	P=0.289
COCH-ARM / FISHERS	P=0.154	P=0.747	P=0.742	P=0.293
MAX-ISO-POLY-3	P=0.178	P=0.494N	P=0.494N	P=0.145

TDMS No. 99037 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 alpha/beta Thujone mixture
 CAS Number: THUJONEMIXAB

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

DOSE	Males			
	0 MG/KG	3 MG/KG	6 MG/KG	12 MG/KG
Lymph Node, Mesenteric Ectasia				
LESION RATES				
OVERALL (a)	0/49 (0%)	1/48 (2%)	0/47 (0%)	1/47 (2%)
POLY-3 RATE (b)	0/44.42	1/45.64	0/45.62	1/41.47
POLY-3 PERCENT (g)	0%	2.2%	0%	2.4%
TERMINAL (d)	0/39 (0%)	1/42 (2%)	0/40 (0%)	1/36 (3%)
FIRST INCIDENCE	---	729 (T)	---	729 (T)
STATISTICAL TESTS				
POLY 3	P=0.393	P=0.505	(e)	P=0.486
POLY 1.5	P=0.392	P=0.500	(e)	P=0.486
POLY 6	P=0.394	P=0.512	(e)	P=0.487
COCH-ARM / FISHERS	P=0.397	P=0.495	(e)	P=0.490
MAX-ISO-POLY-3	P=0.252	P=0.167	(e)	P=0.156

TDMS No. 99037 - 06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: MICE/B6C3F1

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

DOSE	Males			
	0 MG/KG	3 MG/KG	6 MG/KG	12 MG/KG
Lymph Node, Mesenteric Hematopoietic Cell Proliferation				
LESION RATES				
OVERALL (a)	2/49 (4%)	2/48 (4%)	0/47 (0%)	2/47 (4%)
POLY-3 RATE (b)	2/44.42	2/45.64	0/45.62	2/41.47
POLY-3 PERCENT (g)	4.5%	4.4%	0%	4.8%
TERMINAL (d)	2/39 (5%)	2/42 (5%)	0/40 (0%)	2/36 (6%)
FIRST INCIDENCE	729 (T)	729 (T)	---	729 (T)
STATISTICAL TESTS				
POLY 3	P=0.569N	P=0.684N	P=0.231N	P=0.669
POLY 1.5	P=0.571N	P=0.693	P=0.237N	P=0.669
POLY 6	P=0.568N	P=0.672N	P=0.225N	P=0.670
COCH-ARM / FISHERS	P=0.571N	P=0.684	P=0.258N	P=0.676
MAX-ISO-POLY-3	P=0.472N	P=0.488N	P=0.078N	P=0.472

TDMS No. 99037 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

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

DOSE	Males			
	0 MG/KG	3 MG/KG	6 MG/KG	12 MG/KG
Lymph Node, Mesenteric Hemorrhage				
LESION RATES				
OVERALL (a)	6/49 (12%)	4/48 (8%)	6/47 (13%)	2/47 (4%)
POLY-3 RATE (b)	6/46.86	4/45.92	6/45.62	2/41.47
POLY-3 PERCENT (g)	12.8%	8.7%	13.2%	4.8%
TERMINAL (d)	1/39 (3%)	3/42 (7%)	6/40 (15%)	2/36 (6%)
FIRST INCIDENCE	498	654	729 (T)	729 (T)
STATISTICAL TESTS				
POLY 3	P=0.189N	P=0.383N	P=0.602	P=0.176N
POLY 1.5	P=0.178N	P=0.388N	P=0.598	P=0.167N
POLY 6	P=0.203N	P=0.376N	P=0.602	P=0.186N
COCH-ARM / FISHERS	P=0.154N	P=0.383N	P=0.590	P=0.148N
MAX-ISO-POLY-3	P=0.194N	P=0.265N	P=0.479	P=0.107N

TDMS No. 99037 - 06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
alpha/beta Thujone mixture
CAS Number: THUJONEMIXAB

Date Report Requested: 09/09/2010
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First Dose M/F: 06/30/03 / 06/30/03
Lab: SRI

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

DOSE	Males			
	0 MG/KG	3 MG/KG	6 MG/KG	12 MG/KG
Lymph Node, Mesenteric Hyperplasia Lymphoid				
LESION RATES				
OVERALL (a)	2/49 (4%)	5/48 (10%)	4/47 (9%)	5/47 (11%)
POLY-3 RATE (b)	2/44.42	5/45.64	4/46.34	5/41.97
POLY-3 PERCENT (g)	4.5%	11%	8.6%	11.9%
TERMINAL (d)	2/39 (5%)	5/42 (12%)	2/40 (5%)	4/36 (11%)
FIRST INCIDENCE	729 (T)	729 (T)	589	579
STATISTICAL TESTS				
POLY 3	P=0.213	P=0.227	P=0.357	P=0.193
POLY 1.5	P=0.212	P=0.216	P=0.341	P=0.192
POLY 6	P=0.217	P=0.241	P=0.376	P=0.196
COCH-ARM / FISHERS	P=0.221	P=0.209	P=0.319	P=0.201
MAX-ISO-POLY-3	P=0.198	P=0.131	P=0.223	P=0.107

TDMS No. 99037 - 06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
alpha/beta Thujone mixture
CAS Number: THUJONEMIXAB

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First Dose M/F: 06/30/03 / 06/30/03
Lab: SRI

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

DOSE	Males			
	0 MG/KG	3 MG/KG	6 MG/KG	12 MG/KG
Mammary Gland Hyperplasia				
LESION RATES				
OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/45.42	0/47.15	0/48.22	0/43.84
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/40 (0%)	0/42 (0%)	0/41 (0%)	0/37 (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. 99037 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 alpha/beta Thujone mixture
 CAS Number: THUJONEMIXAB

Date Report Requested: 09/09/2010
 Time Report Requested: 12:54:20
 First Dose M/F: 06/30/03 / 06/30/03
 Lab: SRI

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

DOSE	Males			
	0 MG/KG	3 MG/KG	6 MG/KG	12 MG/KG
Mesentery: Fat Necrosis				
LESION RATES				
OVERALL (a)	3/4 (75%)	3/4 (75%)	2/3 (67%)	6/7 (86%)
POLY-3 RATE (b)	3/4.00	3/4.00	2/2.90	6/6.25
POLY-3 PERCENT (g)	75%	75%	69%	96.1%
TERMINAL (d)	2/3 (67%)	2/3 (67%)	2/2 (100%)	5/5 (100%)
FIRST INCIDENCE	498	654	729 (T)	652
STATISTICAL TESTS				
POLY 3	P=0.278	P=0.760	P=0.723N	P=0.489
POLY 1.5	P=0.336	P=0.760	P=0.710N	P=0.551
POLY 6	P=0.233	P=0.760	P=0.748N	P=0.433
COCH-ARM / FISHERS	P=0.439	P=0.786N	P=0.714N	P=0.618
MAX-ISO-POLY-3	P=0.337	P=1.000	P=0.443N	P=0.166

TDMS No. 99037 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 alpha/beta Thujone mixture
 CAS Number: THUJONEMIXAB

Date Report Requested: 09/09/2010
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 Lab: SRI

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

DOSE	Males			
	0 MG/KG	3 MG/KG	6 MG/KG	12 MG/KG
Nose				
Foreign Body				
LESION RATES				
OVERALL (a)	0/50 (0%)	2/50 (4%)	1/50 (2%)	2/50 (4%)
POLY-3 RATE (b)	0/45.42	2/47.15	1/48.46	2/43.84
POLY-3 PERCENT (g)	0%	4.2%	2.1%	4.6%
TERMINAL (d)	0/40 (0%)	2/42 (5%)	0/41 (0%)	2/37 (5%)
FIRST INCIDENCE	---	729 (T)	664	729 (T)
STATISTICAL TESTS				
POLY 3	P=0.235	P=0.246	P=0.513	P=0.229
POLY 1.5	P=0.237	P=0.240	P=0.508	P=0.231
POLY 6	P=0.234	P=0.251	P=0.518	P=0.228
COCH-ARM / FISHERS	P=0.245	P=0.247	P=0.500	P=0.247
MAX-ISO-POLY-3	P=0.159	P=0.084	P=0.175	P=0.076

TDMS No. 99037 - 06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
alpha/beta Thujone mixture
CAS Number: THUJONEMIXAB

Date Report Requested: 09/09/2010
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First Dose M/F: 06/30/03 / 06/30/03
Lab: SRI

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

DOSE	Males			
	0 MG/KG	3 MG/KG	6 MG/KG	12 MG/KG
Nose				
Inflammation Chronic				
LESION RATES				
OVERALL (a)	5/50 (10%)	3/50 (6%)	4/50 (8%)	3/50 (6%)
POLY-3 RATE (b)	5/45.42	3/47.21	4/48.42	3/43.84
POLY-3 PERCENT (g)	11%	6.4%	8.3%	6.8%
TERMINAL (d)	5/40 (13%)	2/42 (5%)	3/41 (7%)	3/37 (8%)
FIRST INCIDENCE	729 (T)	715	677	729 (T)
STATISTICAL TESTS				
POLY 3	P=0.364N	P=0.336N	P=0.460N	P=0.376N
POLY 1.5	P=0.358N	P=0.349N	P=0.476N	P=0.373N
POLY 6	P=0.370N	P=0.321N	P=0.444N	P=0.379N
COCH-ARM / FISHERS	P=0.341N	P=0.357N	P=0.500N	P=0.357N
MAX-ISO-POLY-3	P=0.395N	P=0.219N	P=0.332N	P=0.251N

TDMS No. 99037 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 alpha/beta Thujone mixture
 CAS Number: THUJONEMIXAB

Date Report Requested: 09/09/2010
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 Lab: SRI

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

DOSE	Males			
	0 MG/KG	3 MG/KG	6 MG/KG	12 MG/KG
Pancreas Atrophy				
LESION RATES				
OVERALL (a)	0/50 (0%)	3/50 (6%)	1/50 (2%)	2/50 (4%)
POLY-3 RATE (b)	0/45.42	3/47.15	1/48.22	2/44.60
POLY-3 PERCENT (g)	0%	6.4%	2.1%	4.5%
TERMINAL (d)	0/40 (0%)	3/42 (7%)	1/41 (2%)	1/37 (3%)
FIRST INCIDENCE	---	729 (T)	729 (T)	456
STATISTICAL TESTS				
POLY 3	P=0.332	P=0.126	P=0.512	P=0.233
POLY 1.5	P=0.331	P=0.121	P=0.507	P=0.233
POLY 6	P=0.333	P=0.130	P=0.516	P=0.233
COCH-ARM / FISHERS	P=0.337	P=0.121	P=0.500	P=0.247
MAX-ISO-POLY-3	P=0.192	P=0.044*	P=0.173	P=0.076

TDMS No. 99037 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 alpha/beta Thujone mixture
 CAS Number: THUJONEMIXAB

Date Report Requested: 09/09/2010
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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/KG	3 MG/KG	6 MG/KG	12 MG/KG
Pancreas				
Basophilic Focus				
LESION RATES				
OVERALL (a)	0/50 (0%)	0/50 (0%)	2/50 (4%)	0/50 (0%)
POLY-3 RATE (b)	0/45.42	0/47.15	2/48.22	0/43.84
POLY-3 PERCENT (g)	0%	0%	4.2%	0%
TERMINAL (d)	0/40 (0%)	0/42 (0%)	2/41 (5%)	0/37 (0%)
FIRST INCIDENCE	---	---	729 (T)	---
STATISTICAL TESTS				
POLY 3	P=0.564	(e)	P=0.251	(e)
POLY 1.5	P=0.573	(e)	P=0.246	(e)
POLY 6	P=0.555	(e)	P=0.256	(e)
COCH-ARM / FISHERS	P=0.595	(e)	P=0.247	(e)
MAX-ISO-POLY-3	P=0.271	(e)	P=0.089	(e)

TDMS No. 99037 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 alpha/beta Thujone mixture
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STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Males			
	0 MG/KG	3 MG/KG	6 MG/KG	12 MG/KG
Pancreas				
Cyst				
LESION RATES				
OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/45.42	0/47.15	0/48.22	0/43.84
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/40 (0%)	0/42 (0%)	0/41 (0%)	0/37 (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. 99037 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

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

DOSE	Males			
	0 MG/KG	3 MG/KG	6 MG/KG	12 MG/KG
Pancreas				
Infiltration Cellular Lymphocyte				
LESION RATES				
OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/45.42	0/47.15	0/48.22	0/43.84
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/40 (0%)	0/42 (0%)	0/41 (0%)	0/37 (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. 99037 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 alpha/beta Thujone mixture
 CAS Number: THUJONEMIXAB

Date Report Requested: 09/09/2010
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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/KG	3 MG/KG	6 MG/KG	12 MG/KG
Pancreas: Acinus Cytoplasmic Alteration				
LESION RATES				
OVERALL (a)	2/50 (4%)	6/50 (12%)	3/50 (6%)	1/50 (2%)
POLY-3 RATE (b)	2/45.42	6/47.40	3/48.22	1/43.84
POLY-3 PERCENT (g)	4.4%	12.7%	6.2%	2.3%
TERMINAL (d)	2/40 (5%)	5/42 (12%)	3/41 (7%)	1/37 (3%)
FIRST INCIDENCE	729 (T)	663	729 (T)	729 (T)
STATISTICAL TESTS				
POLY 3	P=0.222N	P=0.147	P=0.527	P=0.512N
POLY 1.5	P=0.221N	P=0.139	P=0.517	P=0.510N
POLY 6	P=0.224N	P=0.157	P=0.538	P=0.514N
COCH-ARM / FISHERS	P=0.210N	P=0.134	P=0.500	P=0.500N
MAX-ISO-POLY-3	P=0.191N	P=0.082	P=0.352	P=0.294N

TDMS No. 99037 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

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

DOSE	Males			
	0 MG/KG	3 MG/KG	6 MG/KG	12 MG/KG
Parathyroid Gland Cyst				
LESION RATES				
OVERALL (a)	0/43 (0%)	0/48 (0%)	0/47 (0%)	4/46 (9%)
POLY-3 RATE (b)	0/39.10	0/45.48	0/45.37	4/41.88
POLY-3 PERCENT (g)	0%	0%	0%	9.6%
TERMINAL (d)	0/34 (0%)	0/42 (0%)	0/39 (0%)	2/34 (6%)
FIRST INCIDENCE	---	---	---	4
STATISTICAL TESTS				
POLY 3	P=0.002**	(e)	(e)	P=0.068
POLY 1.5	P=0.003**	(e)	(e)	P=0.069
POLY 6	P=0.002**	(e)	(e)	P=0.069
COCH-ARM / FISHERS	P=0.003**	(e)	(e)	P=0.067
MAX-ISO-POLY-3	P=0.004**	(e)	(e)	P=0.024*

TDMS No. 99037 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

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

DOSE	Males			
	0 MG/KG	3 MG/KG	6 MG/KG	12 MG/KG
Pituitary Gland: Pars Distalis Cyst				
LESION RATES				
OVERALL (a)	4/48 (8%)	3/50 (6%)	2/48 (4%)	2/49 (4%)
POLY-3 RATE (b)	4/43.42	3/47.15	2/46.22	2/42.84
POLY-3 PERCENT (g)	9.2%	6.4%	4.3%	4.7%
TERMINAL (d)	4/38 (11%)	3/42 (7%)	2/39 (5%)	2/36 (6%)
FIRST INCIDENCE	729 (T)	729 (T)	729 (T)	729 (T)
STATISTICAL TESTS				
POLY 3	P=0.258N	P=0.455N	P=0.309N	P=0.343N
POLY 1.5	P=0.255N	P=0.469N	P=0.320N	P=0.341N
POLY 6	P=0.261N	P=0.440N	P=0.298N	P=0.345N
COCH-ARM / FISHERS	P=0.245N	P=0.477N	P=0.339N	P=0.329N
MAX-ISO-POLY-3	P=0.304N	P=0.313N	P=0.186N	P=0.208N

TDMS No. 99037 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

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

DOSE	Males			
	0 MG/KG	3 MG/KG	6 MG/KG	12 MG/KG
Pituitary Gland: Pars Distalis Hyperplasia Focal				
LESION RATES				
OVERALL (a)	1/48 (2%)	2/50 (4%)	1/48 (2%)	0/49 (0%)
POLY-3 RATE (b)	1/43.42	2/47.15	1/46.22	0/42.84
POLY-3 PERCENT (g)	2.3%	4.2%	2.2%	0%
TERMINAL (d)	1/38 (3%)	2/42 (5%)	1/39 (3%)	0/36 (0%)
FIRST INCIDENCE	729 (T)	729 (T)	729 (T)	---
STATISTICAL TESTS				
POLY 3	P=0.252N	P=0.529	P=0.746N	P=0.503N
POLY 1.5	P=0.252N	P=0.520	P=0.752N	P=0.502N
POLY 6	P=0.253N	P=0.538	P=0.741N	P=0.504N
COCH-ARM / FISHERS	P=0.245N	P=0.515	P=0.753N	P=0.495N
MAX-ISO-POLY-3	P=0.253N	P=0.310	P=0.482N	P=0.163N

TDMS No. 99037 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

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

DOSE	Males			
	0 MG/KG	3 MG/KG	6 MG/KG	12 MG/KG
Preputial Gland Cyst				
LESION RATES				
OVERALL (a)	12/49 (24%)	15/49 (31%)	7/50 (14%)	17/50 (34%)
POLY-3 RATE (b)	12/45.30	15/46.89	7/48.38	17/44.20
POLY-3 PERCENT (g)	26.5%	32%	14.5%	38.5%
TERMINAL (d)	11/40 (28%)	13/42 (31%)	6/41 (15%)	15/37 (41%)
FIRST INCIDENCE	603	654	688	652
STATISTICAL TESTS				
POLY 3	P=0.210	P=0.363	P=0.116N	P=0.161
POLY 1.5	P=0.220	P=0.338	P=0.126N	P=0.171
POLY 6	P=0.198	P=0.393	P=0.108N	P=0.151
COCH-ARM / FISHERS	P=0.251	P=0.326	P=0.142N	P=0.207
MAX-ISO-POLY-3	P=0.108	P=0.285	P=0.079N	P=0.115

TDMS No. 99037 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

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

DOSE	Males			
	0 MG/KG	3 MG/KG	6 MG/KG	12 MG/KG
Preputial Gland Inflammation Chronic				
LESION RATES				
OVERALL (a)	13/49 (27%)	11/49 (22%)	10/50 (20%)	10/50 (20%)
POLY-3 RATE (b)	13/45.36	11/46.40	10/48.32	10/44.07
POLY-3 PERCENT (g)	28.7%	23.7%	20.7%	22.7%
TERMINAL (d)	12/40 (30%)	11/42 (26%)	9/41 (22%)	8/37 (22%)
FIRST INCIDENCE	581	729 (T)	704	691
STATISTICAL TESTS				
POLY 3	P=0.303N	P=0.382N	P=0.257N	P=0.343N
POLY 1.5	P=0.291N	P=0.401N	P=0.272N	P=0.333N
POLY 6	P=0.316N	P=0.362N	P=0.243N	P=0.354N
COCH-ARM / FISHERS	P=0.261N	P=0.407N	P=0.298N	P=0.298N
MAX-ISO-POLY-3	P=0.367N	P=0.298N	P=0.192N	P=0.264N

TDMS No. 99037 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 alpha/beta Thujone mixture
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 Lab: SRI

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

DOSE	Males			
	0 MG/KG	3 MG/KG	6 MG/KG	12 MG/KG
Salivary Glands				
Infiltration Cellular Lymphocyte				
LESION RATES				
OVERALL (a)	3/50 (6%)	10/50 (20%)	4/50 (8%)	3/50 (6%)
POLY-3 RATE (b)	3/45.42	10/47.21	4/48.34	3/43.84
POLY-3 PERCENT (g)	6.6%	21.2%	8.3%	6.8%
TERMINAL (d)	3/40 (8%)	9/42 (21%)	3/41 (7%)	3/37 (8%)
FIRST INCIDENCE	729 (T)	715	698	729 (T)
STATISTICAL TESTS				
POLY 3	P=0.276N	P=0.041*	P=0.534	P=0.646
POLY 1.5	P=0.275N	P=0.037*	P=0.521	P=0.648
POLY 6	P=0.276N	P=0.045*	P=0.548	P=0.644
COCH-ARM / FISHERS	P=0.262N	P=0.036*	P=0.500	P=0.661N
MAX-ISO-POLY-3	P=0.230N	P=0.023*	P=0.382	P=0.481

TDMS No. 99037 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 alpha/beta Thujone mixture
 CAS Number: THUJONEMIXAB

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 First Dose M/F: 06/30/03 / 06/30/03
 Lab: SRI

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

DOSE	Males			
	0 MG/KG	3 MG/KG	6 MG/KG	12 MG/KG
Skin				
Cyst Epithelial Inclusion				
LESION RATES				
OVERALL (a)	0/50 (0%)	2/50 (4%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/45.42	2/47.15	0/48.22	0/43.84
POLY-3 PERCENT (g)	0%	4.2%	0%	0%
TERMINAL (d)	0/40 (0%)	2/42 (5%)	0/41 (0%)	0/37 (0%)
FIRST INCIDENCE	---	729 (T)	---	---
STATISTICAL TESTS				
POLY 3	P=0.400N	P=0.246	(e)	(e)
POLY 1.5	P=0.404N	P=0.240	(e)	(e)
POLY 6	P=0.395N	P=0.251	(e)	(e)
COCH-ARM / FISHERS	P=0.405N	P=0.247	(e)	(e)
MAX-ISO-POLY-3	P=0.273N	P=0.084	(e)	(e)

TDMS No. 99037 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 alpha/beta Thujone mixture
 CAS Number: THUJONEMIXAB

Date Report Requested: 09/09/2010
 Time Report Requested: 12:54:20
 First Dose M/F: 06/30/03 / 06/30/03
 Lab: SRI

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

DOSE	Males			
	0 MG/KG	3 MG/KG	6 MG/KG	12 MG/KG
Skin				
Edema				
LESION RATES				
OVERALL (a)	0/50 (0%)	1/50 (2%)	1/50 (2%)	2/50 (4%)
POLY-3 RATE (b)	0/45.42	1/47.15	1/48.35	2/44.19
POLY-3 PERCENT (g)	0%	2.1%	2.1%	4.5%
TERMINAL (d)	0/40 (0%)	1/42 (2%)	0/41 (0%)	0/37 (0%)
FIRST INCIDENCE	---	729 (T)	696	677
STATISTICAL TESTS				
POLY 3	P=0.147	P=0.507	P=0.512	P=0.231
POLY 1.5	P=0.148	P=0.503	P=0.508	P=0.231
POLY 6	P=0.146	P=0.513	P=0.518	P=0.231
COCH-ARM / FISHERS	P=0.153	P=0.500	P=0.500	P=0.247
MAX-ISO-POLY-3	P=0.121	P=0.168	P=0.174	P=0.076

TDMS No. 99037 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 alpha/beta Thujone mixture
 CAS Number: THUJONEMIXAB

Date Report Requested: 09/09/2010
 Time Report Requested: 12:54:20
 First Dose M/F: 06/30/03 / 06/30/03
 Lab: SRI

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

DOSE	Males			
	0 MG/KG	3 MG/KG	6 MG/KG	12 MG/KG
Skin				
Ulcer				
LESION RATES				
OVERALL (a)	0/50 (0%)	2/50 (4%)	0/50 (0%)	2/50 (4%)
POLY-3 RATE (b)	0/45.42	2/47.15	0/48.22	2/44.04
POLY-3 PERCENT (g)	0%	4.2%	0%	4.5%
TERMINAL (d)	0/40 (0%)	2/42 (5%)	0/41 (0%)	1/37 (3%)
FIRST INCIDENCE	---	729 (T)	---	677
STATISTICAL TESTS				
POLY 3	P=0.243	P=0.246	(e)	P=0.230
POLY 1.5	P=0.242	P=0.240	(e)	P=0.231
POLY 6	P=0.244	P=0.251	(e)	P=0.230
COCH-ARM / FISHERS	P=0.247	P=0.247	(e)	P=0.247
MAX-ISO-POLY-3	P=0.120	P=0.084	(e)	P=0.076

TDMS No. 99037 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 alpha/beta Thujone mixture
 CAS Number: THUJONEMIXAB

Date Report Requested: 09/09/2010
 Time Report Requested: 12:54:20
 First Dose M/F: 06/30/03 / 06/30/03
 Lab: SRI

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

DOSE	Males			
	0 MG/KG	3 MG/KG	6 MG/KG	12 MG/KG
Skin: Epidermis Hyperplasia				
LESION RATES				
OVERALL (a)	0/50 (0%)	0/50 (0%)	2/50 (4%)	1/50 (2%)
POLY-3 RATE (b)	0/45.42	0/47.15	2/48.22	1/44.04
POLY-3 PERCENT (g)	0%	0%	4.2%	2.3%
TERMINAL (d)	0/40 (0%)	0/42 (0%)	2/41 (5%)	0/37 (0%)
FIRST INCIDENCE	---	---	729 (T)	677
STATISTICAL TESTS				
POLY 3	P=0.227	(e)	P=0.251	P=0.494
POLY 1.5	P=0.232	(e)	P=0.246	P=0.494
POLY 6	P=0.222	(e)	P=0.256	P=0.494
COCH-ARM / FISHERS	P=0.246	(e)	P=0.247	P=0.500
MAX-ISO-POLY-3	P=0.190	(e)	P=0.089	P=0.158

TDMS No. 99037 - 06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
alpha/beta Thujone mixture
CAS Number: THUJONEMIXAB

Date Report Requested: 09/09/2010
Time Report Requested: 12:54:20
First Dose M/F: 06/30/03 / 06/30/03
Lab: SRI

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

DOSE	Males			
	0 MG/KG	3 MG/KG	6 MG/KG	12 MG/KG
Spleen				
Hematopoietic Cell Proliferation				
<hr/>				
LESION RATES				
OVERALL (a)	20/50 (40%)	26/50 (52%)	24/50 (48%)	25/49 (51%)
POLY-3 RATE (b)	20/47.71	26/48.01	24/49.53	25/48.00
POLY-3 PERCENT (g)	41.9%	54.2%	48.5%	52.1%
TERMINAL (d)	15/40 (38%)	22/42 (52%)	16/41 (39%)	14/37 (38%)
FIRST INCIDENCE	476	654	664	456
<hr/>				
STATISTICAL TESTS				
POLY 3	P=0.271	P=0.159	P=0.329	P=0.214
POLY 1.5	P=0.241	P=0.149	P=0.305	P=0.190
POLY 6	P=0.310	P=0.172	P=0.359	P=0.247
COCH-ARM / FISHERS	P=0.226	P=0.158	P=0.273	P=0.184
MAX-ISO-POLY-3	P=0.262	P=0.115	P=0.263	P=0.162

TDMS No. 99037 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 alpha/beta Thujone mixture
 CAS Number: THUJONEMIXAB

Date Report Requested: 09/09/2010
 Time Report Requested: 12:54:20
 First Dose M/F: 06/30/03 / 06/30/03
 Lab: SRI

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

DOSE	Males			
	0 MG/KG	3 MG/KG	6 MG/KG	12 MG/KG
Spleen: Lymphoid Follicle Atrophy				
LESION RATES				
OVERALL (a)	2/50 (4%)	1/50 (2%)	3/50 (6%)	1/49 (2%)
POLY-3 RATE (b)	2/46.53	1/48.15	3/48.67	1/43.91
POLY-3 PERCENT (g)	4.3%	2.1%	6.2%	2.3%
TERMINAL (d)	0/40 (0%)	0/42 (0%)	0/41 (0%)	0/37 (0%)
FIRST INCIDENCE	498	4	675	518
STATISTICAL TESTS				
POLY 3	P=0.504N	P=0.488N	P=0.520	P=0.520N
POLY 1.5	P=0.499N	P=0.493N	P=0.512	P=0.518N
POLY 6	P=0.508N	P=0.483N	P=0.529	P=0.522N
COCH-ARM / FISHERS	P=0.482N	P=0.500N	P=0.500	P=0.508N
MAX-ISO-POLY-3	P=0.501N	P=0.274N	P=0.345	P=0.302N

TDMS No. 99037 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 alpha/beta Thujone mixture
 CAS Number: THUJONEMIXAB

Date Report Requested: 09/09/2010
 Time Report Requested: 12:54:20
 First Dose M/F: 06/30/03 / 06/30/03
 Lab: SRI

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

DOSE	Males			
	0 MG/KG	3 MG/KG	6 MG/KG	12 MG/KG
Spleen: Lymphoid Follicle Hyperplasia				
LESION RATES				
OVERALL (a)	1/50 (2%)	5/50 (10%)	5/50 (10%)	3/49 (6%)
POLY-3 RATE (b)	1/45.42	5/47.15	5/48.22	3/43.27
POLY-3 PERCENT (g)	2.2%	10.6%	10.4%	6.9%
TERMINAL (d)	1/40 (3%)	5/42 (12%)	5/41 (12%)	3/37 (8%)
FIRST INCIDENCE	729 (T)	729 (T)	729 (T)	729 (T)
STATISTICAL TESTS				
POLY 3	P=0.354	P=0.110	P=0.116	P=0.288
POLY 1.5	P=0.357	P=0.105	P=0.111	P=0.289
POLY 6	P=0.352	P=0.116	P=0.122	P=0.288
COCH-ARM / FISHERS	P=0.378	P=0.102	P=0.102	P=0.301
MAX-ISO-POLY-3	P=0.174	P=0.052	P=0.058	P=0.146

TDMS No. 99037 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 alpha/beta Thujone mixture
 CAS Number: THUJONEMIXAB

Date Report Requested: 09/09/2010
 Time Report Requested: 12:54:20
 First Dose M/F: 06/30/03 / 06/30/03
 Lab: SRI

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

DOSE	Males			
	0 MG/KG	3 MG/KG	6 MG/KG	12 MG/KG
Stomach, Forestomach Inflammation Chronic				
LESION RATES				
OVERALL (a)	4/50 (8%)	5/50 (10%)	3/50 (6%)	3/50 (6%)
POLY-3 RATE (b)	4/45.42	5/47.43	3/48.22	3/44.81
POLY-3 PERCENT (g)	8.8%	10.5%	6.2%	6.7%
TERMINAL (d)	4/40 (10%)	4/42 (10%)	3/41 (7%)	1/37 (3%)
FIRST INCIDENCE	729 (T)	654	729 (T)	545
STATISTICAL TESTS				
POLY 3	P=0.349N	P=0.527	P=0.467N	P=0.507N
POLY 1.5	P=0.350N	P=0.511	P=0.480N	P=0.510N
POLY 6	P=0.348N	P=0.546	P=0.455N	P=0.503N
COCH-ARM / FISHERS	P=0.341N	P=0.500	P=0.500N	P=0.500N
MAX-ISO-POLY-3	P=0.467N	P=0.390	P=0.323N	P=0.355N

TDMS No. 99037 - 06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
alpha/beta Thujone mixture
CAS Number: THUJONEMIXAB

Date Report Requested: 09/09/2010
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First Dose M/F: 06/30/03 / 06/30/03
Lab: SRI

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

DOSE	Males			
	0 MG/KG	3 MG/KG	6 MG/KG	12 MG/KG
Stomach, Forestomach: Epithelium Hyperplasia				
LESION RATES				
OVERALL (a)	7/50 (14%)	7/50 (14%)	8/50 (16%)	3/50 (6%)
POLY-3 RATE (b)	7/46.88	7/47.15	8/48.35	3/44.81
POLY-3 PERCENT (g)	14.9%	14.9%	16.6%	6.7%
TERMINAL (d)	4/40 (10%)	7/42 (17%)	7/41 (17%)	1/37 (3%)
FIRST INCIDENCE	498	729 (T)	696	545
STATISTICAL TESTS				
POLY 3	P=0.153N	P=0.609N	P=0.526	P=0.176N
POLY 1.5	P=0.148N	P=0.610	P=0.516	P=0.173N
POLY 6	P=0.158N	P=0.602N	P=0.533	P=0.180N
COCH-ARM / FISHERS	P=0.131N	P=0.613N	P=0.500	P=0.159N
MAX-ISO-POLY-3	P=0.186N	P=0.495N	P=0.414	P=0.107N

TDMS No. 99037 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 alpha/beta Thujone mixture
 CAS Number: THUJONEMIXAB

Date Report Requested: 09/09/2010
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 First Dose M/F: 06/30/03 / 06/30/03
 Lab: SRI

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

DOSE	Males			
	0 MG/KG	3 MG/KG	6 MG/KG	12 MG/KG
Stomach, Glandular Cyst				
LESION RATES				
OVERALL (a)	1/50 (2%)	3/50 (6%)	1/50 (2%)	0/49 (0%)
POLY-3 RATE (b)	1/45.42	3/47.15	1/48.22	0/43.27
POLY-3 PERCENT (g)	2.2%	6.4%	2.1%	0%
TERMINAL (d)	1/40 (3%)	3/42 (7%)	1/41 (2%)	0/37 (0%)
FIRST INCIDENCE	729 (T)	729 (T)	729 (T)	---
STATISTICAL TESTS				
POLY 3	P=0.207N	P=0.319	P=0.747N	P=0.510N
POLY 1.5	P=0.208N	P=0.311	P=0.752N	P=0.509N
POLY 6	P=0.205N	P=0.328	P=0.742N	P=0.510N
COCH-ARM / FISHERS	P=0.204N	P=0.309	P=0.753N	P=0.505N
MAX-ISO-POLY-3	P=0.181N	P=0.168	P=0.483N	P=0.169N

TDMS No. 99037 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 alpha/beta Thujone mixture
 CAS Number: THUJONEMIXAB

Date Report Requested: 09/09/2010
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 First Dose M/F: 06/30/03 / 06/30/03
 Lab: SRI

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

DOSE	Males			
	0 MG/KG	3 MG/KG	6 MG/KG	12 MG/KG
Stomach, Glandular Erosion				
LESION RATES				
OVERALL (a)	2/50 (4%)	1/50 (2%)	1/50 (2%)	1/49 (2%)
POLY-3 RATE (b)	2/46.43	1/47.36	1/48.46	1/44.00
POLY-3 PERCENT (g)	4.3%	2.1%	2.1%	2.3%
TERMINAL (d)	0/40 (0%)	0/42 (0%)	0/41 (0%)	0/37 (0%)
FIRST INCIDENCE	476	674	664	470
STATISTICAL TESTS				
POLY 3	P=0.423N	P=0.493N	P=0.485N	P=0.519N
POLY 1.5	P=0.421N	P=0.499N	P=0.491N	P=0.517N
POLY 6	P=0.425N	P=0.487N	P=0.479N	P=0.520N
COCH-ARM / FISHERS	P=0.416N	P=0.500N	P=0.500N	P=0.508N
MAX-ISO-POLY-3	P=0.436N	P=0.277N	P=0.272N	P=0.300N

TDMS No. 99037 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 alpha/beta Thujone mixture
 CAS Number: THUJONEMIXAB

Date Report Requested: 09/09/2010
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 First Dose M/F: 06/30/03 / 06/30/03
 Lab: SRI

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

DOSE	Males			
	0 MG/KG	3 MG/KG	6 MG/KG	12 MG/KG
Testes: Germinal Epithelium Atrophy				
LESION RATES				
OVERALL (a)	0/50 (0%)	4/50 (8%)	2/50 (4%)	1/50 (2%)
POLY-3 RATE (b)	0/45.42	4/47.15	2/48.34	1/43.84
POLY-3 PERCENT (g)	0%	8.5%	4.1%	2.3%
TERMINAL (d)	0/40 (0%)	4/42 (10%)	1/41 (2%)	1/37 (3%)
FIRST INCIDENCE	---	729 (T)	698	729 (T)
STATISTICAL TESTS				
POLY 3	P=0.590N	P=0.065	P=0.251	P=0.493
POLY 1.5	P=0.590N	P=0.062	P=0.246	P=0.494
POLY 6	P=0.590N	P=0.069	P=0.257	P=0.492
COCH-ARM / FISHERS	P=0.577N	P=0.059	P=0.247	P=0.500
MAX-ISO-POLY-3	P=0.182	P=0.023*	P=0.090	P=0.158

TDMS No. 99037 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 alpha/beta Thujone mixture
 CAS Number: THUJONEMIXAB

Date Report Requested: 09/09/2010
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 Lab: SRI

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

DOSE	Males			
	0 MG/KG	3 MG/KG	6 MG/KG	12 MG/KG
Thymus Atrophy				
LESION RATES				
OVERALL (a)	3/44 (7%)	8/43 (19%)	4/44 (9%)	6/40 (15%)
POLY-3 RATE (b)	3/40.50	8/42.42	4/43.15	6/36.76
POLY-3 PERCENT (g)	7.4%	18.9%	9.3%	16.3%
TERMINAL (d)	2/36 (6%)	5/37 (14%)	2/37 (5%)	3/32 (9%)
FIRST INCIDENCE	677	4	589	608
STATISTICAL TESTS				
POLY 3	P=0.300	P=0.112	P=0.535	P=0.194
POLY 1.5	P=0.294	P=0.103	P=0.521	P=0.190
POLY 6	P=0.308	P=0.122	P=0.548	P=0.200
COCH-ARM / FISHERS	P=0.301	P=0.091	P=0.500	P=0.196
MAX-ISO-POLY-3	P=0.211	P=0.067	P=0.383	P=0.117

TDMS No. 99037 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 alpha/beta Thujone mixture
 CAS Number: THUJONEMIXAB

Date Report Requested: 09/09/2010
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 First Dose M/F: 06/30/03 / 06/30/03
 Lab: SRI

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

DOSE	Males			
	0 MG/KG	3 MG/KG	6 MG/KG	12 MG/KG
Thymus Cyst				
LESION RATES				
OVERALL (a)	1/44 (2%)	2/43 (5%)	1/44 (2%)	4/40 (10%)
POLY-3 RATE (b)	1/40.30	2/40.64	1/42.57	4/35.97
POLY-3 PERCENT (g)	2.5%	4.9%	2.4%	11.1%
TERMINAL (d)	1/36 (3%)	2/37 (5%)	1/37 (3%)	4/32 (13%)
FIRST INCIDENCE	729 (T)	729 (T)	729 (T)	729 (T)
STATISTICAL TESTS				
POLY 3	P=0.088	P=0.503	P=0.748N	P=0.144
POLY 1.5	P=0.088	P=0.495	P=0.753N	P=0.144
POLY 6	P=0.088	P=0.511	P=0.744N	P=0.145
COCH-ARM / FISHERS	P=0.091	P=0.491	P=0.753N	P=0.152
MAX-ISO-POLY-3	P=0.077	P=0.285	P=0.484N	P=0.070

TDMS No. 99037 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 alpha/beta Thujone mixture
 CAS Number: THUJONEMIXAB

Date Report Requested: 09/09/2010
 Time Report Requested: 12:54:20
 First Dose M/F: 06/30/03 / 06/30/03
 Lab: SRI

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

DOSE	Males			
	0 MG/KG	3 MG/KG	6 MG/KG	12 MG/KG
Thymus				
Hyperplasia Lymphoid				
LESION RATES				
OVERALL (a)	1/44 (2%)	1/43 (2%)	0/44 (0%)	1/40 (3%)
POLY-3 RATE (b)	1/40.30	1/40.64	0/42.57	1/35.97
POLY-3 PERCENT (g)	2.5%	2.5%	0%	2.8%
TERMINAL (d)	1/36 (3%)	1/37 (3%)	0/37 (0%)	1/32 (3%)
FIRST INCIDENCE	729 (T)	729 (T)	---	729 (T)
STATISTICAL TESTS				
POLY 3	P=0.635N	P=0.759N	P=0.489N	P=0.735
POLY 1.5	P=0.636N	P=0.757	P=0.493N	P=0.734
POLY 6	P=0.634N	P=0.753N	P=0.485N	P=0.736
COCH-ARM / FISHERS	P=0.640N	P=0.747	P=0.500N	P=0.729
MAX-ISO-POLY-3	P=0.562N	P=0.497N	P=0.158N	P=0.468

TDMS No. 99037 - 06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
alpha/beta Thujone mixture
CAS Number: THUJONEMIXAB

Date Report Requested: 09/09/2010
Time Report Requested: 12:54:20
First Dose M/F: 06/30/03 / 06/30/03
Lab: SRI

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

DOSE	Males			
	0 MG/KG	3 MG/KG	6 MG/KG	12 MG/KG
Thymus				
Inflammation Chronic				
<hr/>				
LESION RATES				
OVERALL (a)	0/44 (0%)	0/43 (0%)	0/44 (0%)	0/40 (0%)
POLY-3 RATE (b)	0/40.30	0/40.64	0/42.57	0/35.97
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/36 (0%)	0/37 (0%)	0/37 (0%)	0/32 (0%)
FIRST INCIDENCE	---	---	---	---
<hr/>				
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. 99037 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 alpha/beta Thujone mixture
 CAS Number: THUJONEMIXAB

Date Report Requested: 09/09/2010
 Time Report Requested: 12:54:20
 First Dose M/F: 06/30/03 / 06/30/03
 Lab: SRI

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

DOSE	Males			
	0 MG/KG	3 MG/KG	6 MG/KG	12 MG/KG
Thyroid Gland: Follicle Cyst				
LESION RATES				
OVERALL (a)	0/49 (0%)	0/50 (0%)	0/50 (0%)	1/49 (2%)
POLY-3 RATE (b)	0/44.42	0/47.15	0/48.22	1/42.84
POLY-3 PERCENT (g)	0%	0%	0%	2.3%
TERMINAL (d)	0/39 (0%)	0/42 (0%)	0/41 (0%)	1/36 (3%)
FIRST INCIDENCE	---	---	---	729 (T)
STATISTICAL TESTS				
POLY 3	P=0.191	(e)	(e)	P=0.493
POLY 1.5	P=0.193	(e)	(e)	P=0.494
POLY 6	P=0.189	(e)	(e)	P=0.492
COCH-ARM / FISHERS	P=0.197	(e)	(e)	P=0.500
MAX-ISO-POLY-3	P=0.122	(e)	(e)	P=0.158

TDMS No. 99037 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 alpha/beta Thujone mixture
 CAS Number: THUJONEMIXAB

Date Report Requested: 09/09/2010
 Time Report Requested: 12:54:20
 First Dose M/F: 06/30/03 / 06/30/03
 Lab: SRI

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

DOSE	Males			
	0 MG/KG	3 MG/KG	6 MG/KG	12 MG/KG
Thyroid Gland: Follicle Degeneration Focal				
LESION RATES				
OVERALL (a)	13/49 (27%)	10/50 (20%)	11/50 (22%)	16/49 (33%)
POLY-3 RATE (b)	13/45.30	10/47.15	11/48.34	16/43.92
POLY-3 PERCENT (g)	28.7%	21.2%	22.8%	36.4%
TERMINAL (d)	11/39 (28%)	10/42 (24%)	10/41 (24%)	13/36 (36%)
FIRST INCIDENCE	498	729 (T)	698	470
STATISTICAL TESTS				
POLY 3	P=0.171	P=0.277N	P=0.337N	P=0.289
POLY 1.5	P=0.178	P=0.293N	P=0.356N	P=0.295
POLY 6	P=0.165	P=0.260N	P=0.319N	P=0.285
COCH-ARM / FISHERS	P=0.198	P=0.298N	P=0.385N	P=0.329
MAX-ISO-POLY-3	P=0.160	P=0.207N	P=0.262N	P=0.221

TDMS No. 99037 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 alpha/beta Thujone mixture
 CAS Number: THUJONEMIXAB

Date Report Requested: 09/09/2010
 Time Report Requested: 12:54:20
 First Dose M/F: 06/30/03 / 06/30/03
 Lab: SRI

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

DOSE	Males			
	0 MG/KG	3 MG/KG	6 MG/KG	12 MG/KG
Thyroid Gland: Follicular Cell Hyperplasia				
LESION RATES				
OVERALL (a)	0/49 (0%)	1/50 (2%)	0/50 (0%)	0/49 (0%)
POLY-3 RATE (b)	0/44.42	1/47.15	0/48.22	0/42.84
POLY-3 PERCENT (g)	0%	2.1%	0%	0%
TERMINAL (d)	0/39 (0%)	1/42 (2%)	0/41 (0%)	0/36 (0%)
FIRST INCIDENCE	---	729 (T)	---	---
STATISTICAL TESTS				
POLY 3	P=0.560N	P=0.512	(e)	(e)
POLY 1.5	P=0.564N	P=0.507	(e)	(e)
POLY 6	P=0.555N	P=0.517	(e)	(e)
COCH-ARM / FISHERS	P=0.568N	P=0.505	(e)	(e)
MAX-ISO-POLY-3	P=0.408N	P=0.172	(e)	(e)

TDMS No. 99037 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 alpha/beta Thujone mixture
 CAS Number: THUJONEMIXAB

Date Report Requested: 09/09/2010
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 First Dose M/F: 06/30/03 / 06/30/03
 Lab: SRI

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

DOSE	Males			
	0 MG/KG	3 MG/KG	6 MG/KG	12 MG/KG
Urinary Bladder				
Infiltration Cellular Lymphocyte				
LESION RATES				
OVERALL (a)	2/50 (4%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	2/45.42	0/47.15	0/48.22	0/43.84
POLY-3 PERCENT (g)	4.4%	0%	0%	0%
TERMINAL (d)	2/40 (5%)	0/42 (0%)	0/41 (0%)	0/37 (0%)
FIRST INCIDENCE	729 (T)	---	---	---
STATISTICAL TESTS				
POLY 3	P=0.113N	P=0.229N	P=0.224N	P=0.245N
POLY 1.5	P=0.112N	P=0.234N	P=0.229N	P=0.244N
POLY 6	P=0.114N	P=0.223N	P=0.219N	P=0.246N
COCH-ARM / FISHERS	P=0.115N	P=0.247N	P=0.247N	P=0.247N
MAX-ISO-POLY-3	P=0.039N*	P=0.076N	P=0.076N	P=0.083N

TDMS No. 99037 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 alpha/beta Thujone mixture
 CAS Number: THUJONEMIXAB

Date Report Requested: 09/09/2010
 Time Report Requested: 12:54:20
 First Dose M/F: 06/30/03 / 06/30/03
 Lab: SRI

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

DOSE	Females			
	0 MG/KG	3 MG/KG	6 MG/KG	12 MG/KG
Adrenal Cortex				
Accessory Adrenal Cortical Nodule				
LESION RATES				
OVERALL (a)	7/50 (14%)	5/49 (10%)	6/49 (12%)	9/50 (18%)
POLY-3 RATE (b)	7/44.53	5/41.89	6/46.41	9/48.18
POLY-3 PERCENT (g)	15.7%	11.9%	12.9%	18.7%
TERMINAL (d)	5/37 (14%)	3/33 (9%)	5/40 (13%)	7/41 (17%)
FIRST INCIDENCE	320	3	646	668
STATISTICAL TESTS				
POLY 3	P=0.327	P=0.422N	P=0.468N	P=0.460
POLY 1.5	P=0.319	P=0.419N	P=0.470N	P=0.451
POLY 6	P=0.334	P=0.433N	P=0.472N	P=0.463
COCH-ARM / FISHERS	P=0.257	P=0.394N	P=0.516N	P=0.393
MAX-ISO-POLY-3	P=0.407	P=0.311N	P=0.355N	P=0.358

TDMS No. 99037 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 alpha/beta Thujone mixture
 CAS Number: THUJONEMIXAB

Date Report Requested: 09/09/2010
 Time Report Requested: 12:54:20
 First Dose M/F: 06/30/03 / 06/30/03
 Lab: SRI

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

DOSE	Females			
	0 MG/KG	3 MG/KG	6 MG/KG	12 MG/KG
Adrenal Cortex Hyperplasia Focal				
LESION RATES				
OVERALL (a)	2/50 (4%)	1/49 (2%)	1/49 (2%)	0/50 (0%)
POLY-3 RATE (b)	2/43.08	1/39.89	1/46.11	0/47.91
POLY-3 PERCENT (g)	4.6%	2.5%	2.2%	0%
TERMINAL (d)	2/37 (5%)	1/33 (3%)	1/40 (3%)	0/41 (0%)
FIRST INCIDENCE	729 (T)	729 (T)	729 (T)	---
STATISTICAL TESTS				
POLY 3	P=0.134N	P=0.527N	P=0.476N	P=0.214N
POLY 1.5	P=0.136N	P=0.528N	P=0.480N	P=0.218N
POLY 6	P=0.133N	P=0.530N	P=0.477N	P=0.213N
COCH-ARM / FISHERS	P=0.153N	P=0.508N	P=0.508N	P=0.247N
MAX-ISO-POLY-3	P=0.123N	P=0.308N	P=0.269N	P=0.076N

TDMS No. 99037 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 alpha/beta Thujone mixture
 CAS Number: THUJONEMIXAB

Date Report Requested: 09/09/2010
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 First Dose M/F: 06/30/03 / 06/30/03
 Lab: SRI

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

DOSE	Females			
	0 MG/KG	3 MG/KG	6 MG/KG	12 MG/KG
Adrenal Cortex				
Hypertrophy Focal				
LESION RATES				
OVERALL (a)	0/50 (0%)	0/49 (0%)	1/49 (2%)	2/50 (4%)
POLY-3 RATE (b)	0/43.08	0/39.89	1/46.11	2/47.91
POLY-3 PERCENT (g)	0%	0%	2.2%	4.2%
TERMINAL (d)	0/37 (0%)	0/33 (0%)	1/40 (3%)	2/41 (5%)
FIRST INCIDENCE	---	---	729 (T)	729 (T)
STATISTICAL TESTS				
POLY 3	P=0.089	(e)	P=0.514	P=0.262
POLY 1.5	P=0.086	(e)	P=0.512	P=0.258
POLY 6	P=0.090	(e)	P=0.513	P=0.264
COCH-ARM / FISHERS	P=0.071	(e)	P=0.495	P=0.247
MAX-ISO-POLY-3	P=0.111	(e)	P=0.177	P=0.099

TDMS No. 99037 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 alpha/beta Thujone mixture
 CAS Number: THUJONEMIXAB

Date Report Requested: 09/09/2010
 Time Report Requested: 12:54:20
 First Dose M/F: 06/30/03 / 06/30/03
 Lab: SRI

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

DOSE	Females			
	0 MG/KG	3 MG/KG	6 MG/KG	12 MG/KG
Adrenal Cortex: Capsule Hyperplasia				
LESION RATES				
OVERALL (a)	1/50 (2%)	5/49 (10%)	0/49 (0%)	4/50 (8%)
POLY-3 RATE (b)	1/43.08	5/39.93	0/46.11	4/47.91
POLY-3 PERCENT (g)	2.3%	12.5%	0%	8.4%
TERMINAL (d)	1/37 (3%)	4/33 (12%)	0/40 (0%)	4/41 (10%)
FIRST INCIDENCE	729 (T)	719	---	729 (T)
STATISTICAL TESTS				
POLY 3	P=0.337	P=0.084	P=0.486N	P=0.213
POLY 1.5	P=0.329	P=0.083	P=0.488N	P=0.207
POLY 6	P=0.339	P=0.082	P=0.487N	P=0.216
COCH-ARM / FISHERS	P=0.294	P=0.098	P=0.505N	P=0.181
MAX-ISO-POLY-3	P=0.182	P=0.040*	P=0.160N	P=0.116

TDMS No. 99037 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 alpha/beta Thujone mixture
 CAS Number: THUJONEMIXAB

Date Report Requested: 09/09/2010
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 First Dose M/F: 06/30/03 / 06/30/03
 Lab: SRI

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

DOSE	Females			
	0 MG/KG	3 MG/KG	6 MG/KG	12 MG/KG
Adrenal Cortex: Subcapsular Hyperplasia				
LESION RATES				
OVERALL (a)	0/50 (0%)	0/49 (0%)	0/49 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/43.08	0/39.89	0/46.11	0/47.91
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/37 (0%)	0/33 (0%)	0/40 (0%)	0/41 (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. 99037 - 06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
alpha/beta Thujone mixture
CAS Number: THUJONEMIXAB

Date Report Requested: 09/09/2010
Time Report Requested: 12:54:20
First Dose M/F: 06/30/03 / 06/30/03
Lab: SRI

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

DOSE	Females			
	0 MG/KG	3 MG/KG	6 MG/KG	12 MG/KG
Adrenal Medulla Hyperplasia				
LESION RATES				
OVERALL (a)	1/50 (2%)	1/47 (2%)	0/46 (0%)	1/48 (2%)
POLY-3 RATE (b)	1/43.08	1/38.89	0/43.65	1/45.98
POLY-3 PERCENT (g)	2.3%	2.6%	0%	2.2%
TERMINAL (d)	1/37 (3%)	1/32 (3%)	0/39 (0%)	1/40 (3%)
FIRST INCIDENCE	729 (T)	729 (T)	---	729 (T)
STATISTICAL TESTS				
POLY 3	P=0.607N	P=0.738	P=0.497N	P=0.746N
POLY 1.5	P=0.608N	P=0.737	P=0.500N	P=0.750N
POLY 6	P=0.605N	P=0.736	P=0.497N	P=0.744N
COCH-ARM / FISHERS	P=0.623N	P=0.737	P=0.521N	P=0.742
MAX-ISO-POLY-3	P=0.516N	P=0.471	P=0.164N	P=0.481N

TDMS No. 99037 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 alpha/beta Thujone mixture
 CAS Number: THUJONEMIXAB

Date Report Requested: 09/09/2010
 Time Report Requested: 12:54:20
 First Dose M/F: 06/30/03 / 06/30/03
 Lab: SRI

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

DOSE	Females			
	0 MG/KG	3 MG/KG	6 MG/KG	12 MG/KG
Bone Marrow Hyperplasia				
LESION RATES				
OVERALL (a)	19/50 (38%)	20/49 (41%)	13/49 (27%)	16/50 (32%)
POLY-3 RATE (b)	19/45.57	20/46.86	13/48.23	16/48.61
POLY-3 PERCENT (g)	41.7%	42.7%	27%	32.9%
TERMINAL (d)	12/37 (32%)	8/33 (24%)	7/40 (18%)	11/41 (27%)
FIRST INCIDENCE	246	4	483	647
STATISTICAL TESTS				
POLY 3	P=0.147N	P=0.545	P=0.098N	P=0.253N
POLY 1.5	P=0.149N	P=0.521	P=0.105N	P=0.259N
POLY 6	P=0.153N	P=0.557	P=0.099N	P=0.259N
COCH-ARM / FISHERS	P=0.205N	P=0.468	P=0.157N	P=0.338N
MAX-ISO-POLY-3	P=0.185N	P=0.462	P=0.072N	P=0.197N

TDMS No. 99037 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 alpha/beta Thujone mixture
 CAS Number: THUJONEMIXAB

Date Report Requested: 09/09/2010
 Time Report Requested: 12:54:20
 First Dose M/F: 06/30/03 / 06/30/03
 Lab: SRI

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

DOSE	Females			
	0 MG/KG	3 MG/KG	6 MG/KG	12 MG/KG
Bone Fibrosis				
LESION RATES				
OVERALL (a)	1/50 (2%)	2/49 (4%)	1/50 (2%)	3/50 (6%)
POLY-3 RATE (b)	1/43.08	2/40.45	1/46.74	3/48.06
POLY-3 PERCENT (g)	2.3%	4.9%	2.1%	6.2%
TERMINAL (d)	1/37 (3%)	1/33 (3%)	1/40 (3%)	2/41 (5%)
FIRST INCIDENCE	729 (T)	554	729 (T)	691
STATISTICAL TESTS				
POLY 3	P=0.283	P=0.478	P=0.742N	P=0.346
POLY 1.5	P=0.276	P=0.475	P=0.744N	P=0.338
POLY 6	P=0.286	P=0.478	P=0.744N	P=0.350
COCH-ARM / FISHERS	P=0.240	P=0.492	P=0.753N	P=0.309
MAX-ISO-POLY-3	P=0.291	P=0.267	P=0.477N	P=0.195

TDMS No. 99037 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 alpha/beta Thujone mixture
 CAS Number: THUJONEMIXAB

Date Report Requested: 09/09/2010
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 First Dose M/F: 06/30/03 / 06/30/03
 Lab: SRI

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

DOSE	Females			
	0 MG/KG	3 MG/KG	6 MG/KG	12 MG/KG
Bone Fracture				
LESION RATES				
OVERALL (a)	1/50 (2%)	0/49 (0%)	2/50 (4%)	0/50 (0%)
POLY-3 RATE (b)	1/44.07	0/39.89	2/46.74	0/47.91
POLY-3 PERCENT (g)	2.3%	0%	4.3%	0%
TERMINAL (d)	0/37 (0%)	0/33 (0%)	2/40 (5%)	0/41 (0%)
FIRST INCIDENCE	142	---	729 (T)	---
STATISTICAL TESTS				
POLY 3	P=0.417N	P=0.520N	P=0.520	P=0.483N
POLY 1.5	P=0.422N	P=0.520N	P=0.519	P=0.486N
POLY 6	P=0.413N	P=0.522N	P=0.518	P=0.482N
COCH-ARM / FISHERS	P=0.459N	P=0.505N	P=0.500	P=0.500N
MAX-ISO-POLY-3	P=0.329N	P=0.181N	P=0.303	P=0.158N

TDMS No. 99037 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 alpha/beta Thujone mixture
 CAS Number: THUJONEMIXAB

Date Report Requested: 09/09/2010
 Time Report Requested: 12:54:20
 First Dose M/F: 06/30/03 / 06/30/03
 Lab: SRI

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

DOSE	Females			
	0 MG/KG	3 MG/KG	6 MG/KG	12 MG/KG
Bone: Cranium				
Osteopetrosis				
LESION RATES				
OVERALL (a)	0/50 (0%)	0/49 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/43.08	0/39.89	0/46.74	0/47.91
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/37 (0%)	0/33 (0%)	0/40 (0%)	0/41 (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. 99037 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 alpha/beta Thujone mixture
 CAS Number: THUJONEMIXAB

Date Report Requested: 09/09/2010
 Time Report Requested: 12:54:20
 First Dose M/F: 06/30/03 / 06/30/03
 Lab: SRI

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

DOSE	Females			
	0 MG/KG	3 MG/KG	6 MG/KG	12 MG/KG
Esophagus				
Inflammation Acute				
LESION RATES				
OVERALL (a)	0/50 (0%)	6/48 (13%)	0/49 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/43.08	6/45.09	0/46.11	0/47.91
POLY-3 PERCENT (g)	0%	13.3%	0%	0%
TERMINAL (d)	0/37 (0%)	0/33 (0%)	0/40 (0%)	0/41 (0%)
FIRST INCIDENCE	---	3	---	---
STATISTICAL TESTS				
POLY 3	P=0.112N	P=0.018*	(e)	(e)
POLY 1.5	P=0.118N	P=0.017*	(e)	(e)
POLY 6	P=0.111N	P=0.018*	(e)	(e)
COCH-ARM / FISHERS	P=0.162N	P=0.012*	(e)	(e)
MAX-ISO-POLY-3	P=0.058N	P=0.007**	(e)	(e)

TDMS No. 99037 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 alpha/beta Thujone mixture
 CAS Number: THUJONEMIXAB

Date Report Requested: 09/09/2010
 Time Report Requested: 12:54:20
 First Dose M/F: 06/30/03 / 06/30/03
 Lab: SRI

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

DOSE	Females			
	0 MG/KG	3 MG/KG	6 MG/KG	12 MG/KG
Esophagus Ulcer				
LESION RATES				
OVERALL (a)	0/50 (0%)	4/48 (8%)	0/49 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/43.08	4/43.09	0/46.11	0/47.91
POLY-3 PERCENT (g)	0%	9.3%	0%	0%
TERMINAL (d)	0/37 (0%)	0/33 (0%)	0/40 (0%)	0/41 (0%)
FIRST INCIDENCE	---	3	---	---
STATISTICAL TESTS				
POLY 3	P=0.205N	P=0.060	(e)	(e)
POLY 1.5	P=0.211N	P=0.059	(e)	(e)
POLY 6	P=0.204N	P=0.060	(e)	(e)
COCH-ARM / FISHERS	P=0.246N	P=0.054	(e)	(e)
MAX-ISO-POLY-3	P=0.114N	P=0.020*	(e)	(e)

TDMS No. 99037 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 alpha/beta Thujone mixture
 CAS Number: THUJONEMIXAB

Date Report Requested: 09/09/2010
 Time Report Requested: 12:54:20
 First Dose M/F: 06/30/03 / 06/30/03
 Lab: SRI

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

DOSE	Females			
	0 MG/KG	3 MG/KG	6 MG/KG	12 MG/KG
Eye Cataract				
LESION RATES				
OVERALL (a)	0/50 (0%)	0/49 (0%)	2/50 (4%)	0/50 (0%)
POLY-3 RATE (b)	0/43.08	0/39.89	2/46.74	0/47.91
POLY-3 PERCENT (g)	0%	0%	4.3%	0%
TERMINAL (d)	0/37 (0%)	0/33 (0%)	2/40 (5%)	0/41 (0%)
FIRST INCIDENCE	---	---	729 (T)	---
STATISTICAL TESTS				
POLY 3	P=0.661	(e)	P=0.256	(e)
POLY 1.5	P=0.652	(e)	P=0.254	(e)
POLY 6	P=0.667	(e)	P=0.254	(e)
COCH-ARM / FISHERS	P=0.596	(e)	P=0.247	(e)
MAX-ISO-POLY-3	P=0.289	(e)	P=0.094	(e)

TDMS No. 99037 - 06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
alpha/beta Thujone mixture
CAS Number: THUJONEMIXAB

Date Report Requested: 09/09/2010
Time Report Requested: 12:54:20
First Dose M/F: 06/30/03 / 06/30/03
Lab: SRI

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

DOSE	Females			
	0 MG/KG	3 MG/KG	6 MG/KG	12 MG/KG
Eye				
Inflammation Chronic				
LESION RATES				
OVERALL (a)	1/50 (2%)	2/49 (4%)	2/50 (4%)	2/50 (4%)
POLY-3 RATE (b)	1/43.08	2/40.12	2/46.74	2/47.91
POLY-3 PERCENT (g)	2.3%	5%	4.3%	4.2%
TERMINAL (d)	1/37 (3%)	1/33 (3%)	2/40 (5%)	2/41 (5%)
FIRST INCIDENCE	729 (T)	669	729 (T)	729 (T)
STATISTICAL TESTS				
POLY 3	P=0.487	P=0.475	P=0.528	P=0.537
POLY 1.5	P=0.478	P=0.473	P=0.526	P=0.531
POLY 6	P=0.492	P=0.474	P=0.526	P=0.540
COCH-ARM / FISHERS	P=0.425	P=0.492	P=0.500	P=0.500
MAX-ISO-POLY-3	P=0.495	P=0.266	P=0.312	P=0.321

TDMS No. 99037 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 alpha/beta Thujone mixture
 CAS Number: THUJONEMIXAB

Date Report Requested: 09/09/2010
 Time Report Requested: 12:54:20
 First Dose M/F: 06/30/03 / 06/30/03
 Lab: SRI

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

DOSE	Females			
	0 MG/KG	3 MG/KG	6 MG/KG	12 MG/KG
Eye: Cornea Hyperplasia				
LESION RATES				
OVERALL (a)	0/50 (0%)	1/49 (2%)	2/50 (4%)	1/50 (2%)
POLY-3 RATE (b)	0/43.08	1/40.12	2/46.74	1/47.91
POLY-3 PERCENT (g)	0%	2.5%	4.3%	2.1%
TERMINAL (d)	0/37 (0%)	0/33 (0%)	2/40 (5%)	1/41 (2%)
FIRST INCIDENCE	---	669	729 (T)	729 (T)
STATISTICAL TESTS				
POLY 3	P=0.428	P=0.486	P=0.256	P=0.521
POLY 1.5	P=0.419	P=0.484	P=0.254	P=0.518
POLY 6	P=0.433	P=0.485	P=0.254	P=0.523
COCH-ARM / FISHERS	P=0.369	P=0.495	P=0.247	P=0.500
MAX-ISO-POLY-3	P=0.268	P=0.157	P=0.094	P=0.184

TDMS No. 99037 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 alpha/beta Thujone mixture
 CAS Number: THUJONEMIXAB

Date Report Requested: 09/09/2010
 Time Report Requested: 12:54:20
 First Dose M/F: 06/30/03 / 06/30/03
 Lab: SRI

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

DOSE	Females			
	0 MG/KG	3 MG/KG	6 MG/KG	12 MG/KG
Gallbladder Pigmentation				
LESION RATES				
OVERALL (a)	0/43 (0%)	0/39 (0%)	0/43 (0%)	2/46 (4%)
POLY-3 RATE (b)	0/38.43	0/36.39	0/40.91	2/44.94
POLY-3 PERCENT (g)	0%	0%	0%	4.5%
TERMINAL (d)	0/36 (0%)	0/32 (0%)	0/37 (0%)	0/39 (0%)
FIRST INCIDENCE	---	---	---	710
STATISTICAL TESTS				
POLY 3	P=0.058	(e)	(e)	P=0.273
POLY 1.5	P=0.058	(e)	(e)	P=0.271
POLY 6	P=0.059	(e)	(e)	P=0.274
COCH-ARM / FISHERS	P=0.055	(e)	(e)	P=0.264
MAX-ISO-POLY-3	P=0.066	(e)	(e)	P=0.106

TDMS No. 99037 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 alpha/beta Thujone mixture
 CAS Number: THUJONEMIXAB

Date Report Requested: 09/09/2010
 Time Report Requested: 12:54:20
 First Dose M/F: 06/30/03 / 06/30/03
 Lab: SRI

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

DOSE	Females			
	0 MG/KG	3 MG/KG	6 MG/KG	12 MG/KG
Harderian Gland Hyperplasia Focal				
LESION RATES				
OVERALL (a)	1/50 (2%)	1/49 (2%)	1/50 (2%)	1/49 (2%)
POLY-3 RATE (b)	1/43.08	1/39.89	1/46.74	1/47.41
POLY-3 PERCENT (g)	2.3%	2.5%	2.1%	2.1%
TERMINAL (d)	1/37 (3%)	1/33 (3%)	1/40 (3%)	1/41 (2%)
FIRST INCIDENCE	729 (T)	729 (T)	729 (T)	729 (T)
STATISTICAL TESTS				
POLY 3	P=0.603N	P=0.743	P=0.742N	P=0.739N
POLY 1.5	P=0.608N	P=0.742	P=0.744N	P=0.744N
POLY 6	P=0.599N	P=0.742	P=0.744N	P=0.736N
COCH-ARM / FISHERS	P=0.630	P=0.747	P=0.753N	P=0.747
MAX-ISO-POLY-3	P=0.706N	P=0.478	P=0.477N	P=0.473N

TDMS No. 99037 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 alpha/beta Thujone mixture
 CAS Number: THUJONEMIXAB

Date Report Requested: 09/09/2010
 Time Report Requested: 12:54:20
 First Dose M/F: 06/30/03 / 06/30/03
 Lab: SRI

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

DOSE	Females			
	0 MG/KG	3 MG/KG	6 MG/KG	12 MG/KG
Heart				
Cardiomyopathy				
LESION RATES				
OVERALL (a)	0/50 (0%)	1/49 (2%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/43.08	1/40.38	0/46.74	0/47.91
POLY-3 PERCENT (g)	0%	2.5%	0%	0%
TERMINAL (d)	0/37 (0%)	0/33 (0%)	0/40 (0%)	0/41 (0%)
FIRST INCIDENCE	---	585	---	---
STATISTICAL TESTS				
POLY 3	P=0.564N	P=0.487	(e)	(e)
POLY 1.5	P=0.566N	P=0.485	(e)	(e)
POLY 6	P=0.564N	P=0.487	(e)	(e)
COCH-ARM / FISHERS	P=0.566N	P=0.495	(e)	(e)
MAX-ISO-POLY-3	P=0.377N	P=0.157	(e)	(e)

TDMS No. 99037 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 alpha/beta Thujone mixture
 CAS Number: THUJONEMIXAB

Date Report Requested: 09/09/2010
 Time Report Requested: 12:54:20
 First Dose M/F: 06/30/03 / 06/30/03
 Lab: SRI

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

DOSE	Females			
	0 MG/KG	3 MG/KG	6 MG/KG	12 MG/KG
Heart				
Inflammation Acute				
LESION RATES				
OVERALL (a)	0/50 (0%)	2/49 (4%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/43.08	2/41.89	0/46.74	0/47.91
POLY-3 PERCENT (g)	0%	4.8%	0%	0%
TERMINAL (d)	0/37 (0%)	0/33 (0%)	0/40 (0%)	0/41 (0%)
FIRST INCIDENCE	---	5	---	---
STATISTICAL TESTS				
POLY 3	P=0.384N	P=0.231	(e)	(e)
POLY 1.5	P=0.388N	P=0.230	(e)	(e)
POLY 6	P=0.384N	P=0.229	(e)	(e)
COCH-ARM / FISHERS	P=0.404N	P=0.242	(e)	(e)
MAX-ISO-POLY-3	P=0.246N	P=0.075	(e)	(e)

TDMS No. 99037 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 alpha/beta Thujone mixture
 CAS Number: THUJONEMIXAB

Date Report Requested: 09/09/2010
 Time Report Requested: 12:54:20
 First Dose M/F: 06/30/03 / 06/30/03
 Lab: SRI

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

DOSE	Females			
	0 MG/KG	3 MG/KG	6 MG/KG	12 MG/KG
Heart Mineralization				
LESION RATES				
OVERALL (a)	1/50 (2%)	2/49 (4%)	1/50 (2%)	1/50 (2%)
POLY-3 RATE (b)	1/43.14	2/41.03	1/46.74	1/47.98
POLY-3 PERCENT (g)	2.3%	4.9%	2.1%	2.1%
TERMINAL (d)	0/37 (0%)	0/33 (0%)	1/40 (3%)	0/41 (0%)
FIRST INCIDENCE	715	5	729 (T)	710
STATISTICAL TESTS				
POLY 3	P=0.492N	P=0.483	P=0.742N	P=0.736N
POLY 1.5	P=0.497N	P=0.480	P=0.744N	P=0.740N
POLY 6	P=0.489N	P=0.481	P=0.744N	P=0.734N
COCH-ARM / FISHERS	P=0.528N	P=0.492	P=0.753N	P=0.753N
MAX-ISO-POLY-3	P=0.542N	P=0.270	P=0.477N	P=0.470N

TDMS No. 99037 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 alpha/beta Thujone mixture
 CAS Number: THUJONEMIXAB

Date Report Requested: 09/09/2010
 Time Report Requested: 12:54:20
 First Dose M/F: 06/30/03 / 06/30/03
 Lab: SRI

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

DOSE	Females			
	0 MG/KG	3 MG/KG	6 MG/KG	12 MG/KG
Intestine Large, Cecum Edema				
LESION RATES				
OVERALL (a)	0/48 (0%)	0/46 (0%)	0/46 (0%)	2/49 (4%)
POLY-3 RATE (b)	0/42.10	0/38.56	0/43.79	2/47.17
POLY-3 PERCENT (g)	0%	0%	0%	4.2%
TERMINAL (d)	0/37 (0%)	0/33 (0%)	0/39 (0%)	0/41 (0%)
FIRST INCIDENCE	---	---	---	691
STATISTICAL TESTS				
POLY 3	P=0.056	(e)	(e)	P=0.263
POLY 1.5	P=0.055	(e)	(e)	P=0.259
POLY 6	P=0.056	(e)	(e)	P=0.266
COCH-ARM / FISHERS	P=0.050*	(e)	(e)	P=0.253
MAX-ISO-POLY-3	P=0.057	(e)	(e)	P=0.100

TDMS No. 99037 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 alpha/beta Thujone mixture
 CAS Number: THUJONEMIXAB

Date Report Requested: 09/09/2010
 Time Report Requested: 12:54:20
 First Dose M/F: 06/30/03 / 06/30/03
 Lab: SRI

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

DOSE	Females			
	0 MG/KG	3 MG/KG	6 MG/KG	12 MG/KG
Islets, Pancreatic Hyperplasia				
LESION RATES				
OVERALL (a)	1/48 (2%)	0/49 (0%)	2/48 (4%)	4/50 (8%)
POLY-3 RATE (b)	1/42.10	0/39.89	2/45.39	4/47.91
POLY-3 PERCENT (g)	2.4%	0%	4.4%	8.4%
TERMINAL (d)	1/37 (3%)	0/33 (0%)	2/40 (5%)	4/41 (10%)
FIRST INCIDENCE	729 (T)	---	729 (T)	729 (T)
STATISTICAL TESTS				
POLY 3	P=0.058	P=0.511N	P=0.526	P=0.221
POLY 1.5	P=0.056	P=0.511N	P=0.523	P=0.216
POLY 6	P=0.059	P=0.513N	P=0.527	P=0.223
COCH-ARM / FISHERS	P=0.043*	P=0.495N	P=0.500	P=0.194
MAX-ISO-POLY-3	P=0.076	P=0.173N	P=0.309	P=0.122

TDMS No. 99037 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 alpha/beta Thujone mixture
 CAS Number: THUJONEMIXAB

Date Report Requested: 09/09/2010
 Time Report Requested: 12:54:20
 First Dose M/F: 06/30/03 / 06/30/03
 Lab: SRI

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

DOSE	Females			
	0 MG/KG	3 MG/KG	6 MG/KG	12 MG/KG
Kidney Cyst				
LESION RATES				
OVERALL (a)	3/50 (6%)	3/49 (6%)	0/49 (0%)	1/50 (2%)
POLY-3 RATE (b)	3/43.08	3/39.89	0/46.11	1/48.06
POLY-3 PERCENT (g)	7%	7.5%	0%	2.1%
TERMINAL (d)	3/37 (8%)	3/33 (9%)	0/40 (0%)	0/41 (0%)
FIRST INCIDENCE	729 (T)	729 (T)	---	691
STATISTICAL TESTS				
POLY 3	P=0.116N	P=0.627	P=0.107N	P=0.268N
POLY 1.5	P=0.119N	P=0.624	P=0.109N	P=0.274N
POLY 6	P=0.115N	P=0.623	P=0.107N	P=0.264N
COCH-ARM / FISHERS	P=0.134N	P=0.651	P=0.125N	P=0.309N
MAX-ISO-POLY-3	P=0.116N	P=0.462	P=0.038N*	P=0.142N

TDMS No. 99037 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 alpha/beta Thujone mixture
 CAS Number: THUJONEMIXAB

Date Report Requested: 09/09/2010
 Time Report Requested: 12:54:20
 First Dose M/F: 06/30/03 / 06/30/03
 Lab: SRI

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

DOSE	Females			
	0 MG/KG	3 MG/KG	6 MG/KG	12 MG/KG
Kidney Infarct				
LESION RATES				
OVERALL (a)	2/50 (4%)	5/49 (10%)	6/49 (12%)	1/50 (2%)
POLY-3 RATE (b)	2/43.08	5/39.89	6/46.29	1/47.91
POLY-3 PERCENT (g)	4.6%	12.5%	13%	2.1%
TERMINAL (d)	2/37 (5%)	5/33 (15%)	5/40 (13%)	1/41 (2%)
FIRST INCIDENCE	729 (T)	729 (T)	682	729 (T)
STATISTICAL TESTS				
POLY 3	P=0.236N	P=0.185	P=0.157	P=0.463N
POLY 1.5	P=0.248N	P=0.184	P=0.153	P=0.469N
POLY 6	P=0.229N	P=0.182	P=0.158	P=0.460N
COCH-ARM / FISHERS	P=0.318N	P=0.210	P=0.128	P=0.500N
MAX-ISO-POLY-3	P=0.139N	P=0.105	P=0.093	P=0.261N

TDMS No. 99037 - 06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
alpha/beta Thujone mixture
CAS Number: THUJONEMIXAB

Date Report Requested: 09/09/2010
Time Report Requested: 12:54:20
First Dose M/F: 06/30/03 / 06/30/03
Lab: SRI

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

DOSE	Females			
	0 MG/KG	3 MG/KG	6 MG/KG	12 MG/KG
Kidney				
Infiltration Cellular Lymphocyte				
LESION RATES				
OVERALL (a)	3/50 (6%)	9/49 (18%)	5/49 (10%)	5/50 (10%)
POLY-3 RATE (b)	3/43.08	9/40.32	5/46.53	5/48.06
POLY-3 PERCENT (g)	7%	22.3%	10.8%	10.4%
TERMINAL (d)	3/37 (8%)	7/33 (21%)	4/40 (10%)	4/41 (10%)
FIRST INCIDENCE	729 (T)	669	609	691
STATISTICAL TESTS				
POLY 3	P=0.488N	P=0.044*	P=0.400	P=0.418
POLY 1.5	P=0.505N	P=0.043*	P=0.392	P=0.407
POLY 6	P=0.479N	P=0.044*	P=0.402	P=0.424
COCH-ARM / FISHERS	P=0.534	P=0.056	P=0.346	P=0.357
MAX-ISO-POLY-3	P=0.261	P=0.025*	P=0.276	P=0.293

TDMS No. 99037 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 alpha/beta Thujone mixture
 CAS Number: THUJONEMIXAB

Date Report Requested: 09/09/2010
 Time Report Requested: 12:54:20
 First Dose M/F: 06/30/03 / 06/30/03
 Lab: SRI

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

DOSE	Females			
	0 MG/KG	3 MG/KG	6 MG/KG	12 MG/KG
Kidney				
Metaplasia Osseous				
LESION RATES				
OVERALL (a)	1/50 (2%)	1/49 (2%)	2/49 (4%)	3/50 (6%)
POLY-3 RATE (b)	1/43.08	1/40.12	2/46.11	3/47.98
POLY-3 PERCENT (g)	2.3%	2.5%	4.3%	6.3%
TERMINAL (d)	1/37 (3%)	0/33 (0%)	2/40 (5%)	2/41 (5%)
FIRST INCIDENCE	729 (T)	669	729 (T)	711
STATISTICAL TESTS				
POLY 3	P=0.209	P=0.745	P=0.524	P=0.345
POLY 1.5	P=0.204	P=0.743	P=0.520	P=0.338
POLY 6	P=0.213	P=0.744	P=0.523	P=0.349
COCH-ARM / FISHERS	P=0.167	P=0.747	P=0.492	P=0.309
MAX-ISO-POLY-3	P=0.291	P=0.479	P=0.307	P=0.195

TDMS No. 99037 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 alpha/beta Thujone mixture
 CAS Number: THUJONEMIXAB

Date Report Requested: 09/09/2010
 Time Report Requested: 12:54:20
 First Dose M/F: 06/30/03 / 06/30/03
 Lab: SRI

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

DOSE	Females			
	0 MG/KG	3 MG/KG	6 MG/KG	12 MG/KG
Kidney				
Nephropathy				
LESION RATES				
OVERALL (a)	11/50 (22%)	11/49 (22%)	5/49 (10%)	7/50 (14%)
POLY-3 RATE (b)	11/44.36	11/41.20	5/46.11	7/48.23
POLY-3 PERCENT (g)	24.8%	26.7%	10.8%	14.5%
TERMINAL (d)	9/37 (24%)	8/33 (24%)	5/40 (13%)	4/41 (10%)
FIRST INCIDENCE	320	524	729 (T)	691
STATISTICAL TESTS				
POLY 3	P=0.072N	P=0.519	P=0.070N	P=0.162N
POLY 1.5	P=0.075N	P=0.509	P=0.071N	P=0.170N
POLY 6	P=0.069N	P=0.520	P=0.072N	P=0.158N
COCH-ARM / FISHERS	P=0.112N	P=0.574	P=0.093N	P=0.218N
MAX-ISO-POLY-3	P=0.094N	P=0.421	P=0.043N*	P=0.115N

TDMS No. 99037 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 alpha/beta Thujone mixture
 CAS Number: THUJONEMIXAB

Date Report Requested: 09/09/2010
 Time Report Requested: 12:54:20
 First Dose M/F: 06/30/03 / 06/30/03
 Lab: SRI

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

DOSE	Females			
	0 MG/KG	3 MG/KG	6 MG/KG	12 MG/KG
Kidney: Renal Tubule Accumulation, Hyaline Droplet				
LESION RATES				
OVERALL (a)	1/50 (2%)	2/49 (4%)	1/49 (2%)	2/50 (4%)
POLY-3 RATE (b)	1/43.23	2/40.03	1/46.50	2/47.95
POLY-3 PERCENT (g)	2.3%	5%	2.2%	4.2%
TERMINAL (d)	0/37 (0%)	1/33 (3%)	0/40 (0%)	1/41 (2%)
FIRST INCIDENCE	691	694	617	719
STATISTICAL TESTS				
POLY 3	P=0.496	P=0.473	P=0.744N	P=0.536
POLY 1.5	P=0.489	P=0.472	P=0.747N	P=0.530
POLY 6	P=0.499	P=0.470	P=0.744N	P=0.538
COCH-ARM / FISHERS	P=0.446	P=0.492	P=0.747	P=0.500
MAX-ISO-POLY-3	P=0.511	P=0.265	P=0.479N	P=0.320

TDMS No. 99037 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 alpha/beta Thujone mixture
 CAS Number: THUJONEMIXAB

Date Report Requested: 09/09/2010
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 First Dose M/F: 06/30/03 / 06/30/03
 Lab: SRI

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

DOSE	Females			
	0 MG/KG	3 MG/KG	6 MG/KG	12 MG/KG
Kidney: Renal Tubule Pigmentation				
LESION RATES				
OVERALL (a)	1/50 (2%)	0/49 (0%)	2/49 (4%)	0/50 (0%)
POLY-3 RATE (b)	1/43.14	0/39.89	2/46.44	0/47.91
POLY-3 PERCENT (g)	2.3%	0%	4.3%	0%
TERMINAL (d)	0/37 (0%)	0/33 (0%)	1/40 (3%)	0/41 (0%)
FIRST INCIDENCE	715	---	638	---
STATISTICAL TESTS				
POLY 3	P=0.414N	P=0.516N	P=0.526	P=0.479N
POLY 1.5	P=0.419N	P=0.516N	P=0.521	P=0.483N
POLY 6	P=0.410N	P=0.517N	P=0.526	P=0.478N
COCH-ARM / FISHERS	P=0.460N	P=0.505N	P=0.492	P=0.500N
MAX-ISO-POLY-3	P=0.334N	P=0.177N	P=0.309	P=0.158N

TDMS No. 99037 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 alpha/beta Thujone mixture
 CAS Number: THUJONEMIXAB

Date Report Requested: 09/09/2010
 Time Report Requested: 12:54:20
 First Dose M/F: 06/30/03 / 06/30/03
 Lab: SRI

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

DOSE	Females			
	0 MG/KG	3 MG/KG	6 MG/KG	12 MG/KG
Liver				
Basophilic Focus				
LESION RATES				
OVERALL (a)	1/50 (2%)	2/49 (4%)	0/49 (0%)	4/50 (8%)
POLY-3 RATE (b)	1/43.08	2/40.12	0/46.11	4/47.91
POLY-3 PERCENT (g)	2.3%	5%	0%	8.4%
TERMINAL (d)	1/37 (3%)	1/33 (3%)	0/40 (0%)	4/41 (10%)
FIRST INCIDENCE	729 (T)	669	---	729 (T)
STATISTICAL TESTS				
POLY 3	P=0.129	P=0.475	P=0.486N	P=0.213
POLY 1.5	P=0.127	P=0.473	P=0.488N	P=0.207
POLY 6	P=0.131	P=0.474	P=0.487N	P=0.216
COCH-ARM / FISHERS	P=0.110	P=0.492	P=0.505N	P=0.181
MAX-ISO-POLY-3	P=0.124	P=0.266	P=0.160N	P=0.116

TDMS No. 99037 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 alpha/beta Thujone mixture
 CAS Number: THUJONEMIXAB

Date Report Requested: 09/09/2010
 Time Report Requested: 12:54:20
 First Dose M/F: 06/30/03 / 06/30/03
 Lab: SRI

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

DOSE	Females			
	0 MG/KG	3 MG/KG	6 MG/KG	12 MG/KG
Liver				
Clear Cell Focus				
LESION RATES				
OVERALL (a)	3/50 (6%)	2/49 (4%)	4/49 (8%)	2/50 (4%)
POLY-3 RATE (b)	3/43.20	2/40.52	4/46.11	2/47.91
POLY-3 PERCENT (g)	7%	4.9%	8.7%	4.2%
TERMINAL (d)	2/37 (5%)	1/33 (3%)	4/40 (10%)	2/41 (5%)
FIRST INCIDENCE	700	524	729 (T)	729 (T)
STATISTICAL TESTS				
POLY 3	P=0.407N	P=0.529N	P=0.536	P=0.453N
POLY 1.5	P=0.415N	P=0.533N	P=0.531	P=0.461N
POLY 6	P=0.403N	P=0.531N	P=0.533	P=0.450N
COCH-ARM / FISHERS	P=0.477N	P=0.510N	P=0.489	P=0.500N
MAX-ISO-POLY-3	P=0.482N	P=0.353N	P=0.384	P=0.293N

TDMS No. 99037 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 alpha/beta Thujone mixture
 CAS Number: THUJONEMIXAB

Date Report Requested: 09/09/2010
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 First Dose M/F: 06/30/03 / 06/30/03
 Lab: SRI

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

DOSE	Females			
	0 MG/KG	3 MG/KG	6 MG/KG	12 MG/KG
Liver				
Eosinophilic Focus				
LESION RATES				
OVERALL (a)	3/50 (6%)	3/49 (6%)	3/49 (6%)	4/50 (8%)
POLY-3 RATE (b)	3/43.08	3/39.99	3/46.11	4/48.21
POLY-3 PERCENT (g)	7%	7.5%	6.5%	8.3%
TERMINAL (d)	3/37 (8%)	2/33 (6%)	3/40 (8%)	3/41 (7%)
FIRST INCIDENCE	729 (T)	704	729 (T)	647
STATISTICAL TESTS				
POLY 3	P=0.487	P=0.628	P=0.631N	P=0.561
POLY 1.5	P=0.476	P=0.625	P=0.635N	P=0.550
POLY 6	P=0.496	P=0.625	P=0.632N	P=0.568
COCH-ARM / FISHERS	P=0.407	P=0.651	P=0.651	P=0.500
MAX-ISO-POLY-3	P=0.635	P=0.463	P=0.466N	P=0.409

TDMS No. 99037 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 alpha/beta Thujone mixture
 CAS Number: THUJONEMIXAB

Date Report Requested: 09/09/2010
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 First Dose M/F: 06/30/03 / 06/30/03
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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/KG	3 MG/KG	6 MG/KG	12 MG/KG
Liver				
Hematopoietic Cell Proliferation				
LESION RATES				
OVERALL (a)	3/50 (6%)	3/49 (6%)	3/49 (6%)	2/50 (4%)
POLY-3 RATE (b)	3/43.44	3/40.12	3/46.11	2/47.91
POLY-3 PERCENT (g)	6.9%	7.5%	6.5%	4.2%
TERMINAL (d)	2/37 (5%)	2/33 (6%)	3/40 (8%)	2/41 (5%)
FIRST INCIDENCE	628	669	729 (T)	729 (T)
STATISTICAL TESTS				
POLY 3	P=0.336N	P=0.625	P=0.634N	P=0.456N
POLY 1.5	P=0.343N	P=0.624	P=0.637N	P=0.462N
POLY 6	P=0.333N	P=0.621	P=0.638N	P=0.454N
COCH-ARM / FISHERS	P=0.395N	P=0.651	P=0.651	P=0.500N
MAX-ISO-POLY-3	P=0.458N	P=0.460	P=0.470N	P=0.294N

TDMS No. 99037 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 alpha/beta Thujone mixture
 CAS Number: THUJONEMIXAB

Date Report Requested: 09/09/2010
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 Lab: SRI

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

DOSE	Females			
	0 MG/KG	3 MG/KG	6 MG/KG	12 MG/KG
Liver				
Infiltration Cellular Lymphocyte				
LESION RATES				
OVERALL (a)	2/50 (4%)	1/49 (2%)	0/49 (0%)	4/50 (8%)
POLY-3 RATE (b)	2/43.08	1/40.09	0/46.11	4/47.91
POLY-3 PERCENT (g)	4.6%	2.5%	0%	8.4%
TERMINAL (d)	2/37 (5%)	0/33 (0%)	0/40 (0%)	4/41 (10%)
FIRST INCIDENCE	729 (T)	677	---	729 (T)
STATISTICAL TESTS				
POLY 3	P=0.192	P=0.525N	P=0.222N	P=0.388
POLY 1.5	P=0.189	P=0.527N	P=0.225N	P=0.379
POLY 6	P=0.194	P=0.526N	P=0.223N	P=0.391
COCH-ARM / FISHERS	P=0.167	P=0.508N	P=0.253N	P=0.339
MAX-ISO-POLY-3	P=0.124	P=0.307N	P=0.077N	P=0.252

TDMS No. 99037 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 alpha/beta Thujone mixture
 CAS Number: THUJONEMIXAB

Date Report Requested: 09/09/2010
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 First Dose M/F: 06/30/03 / 06/30/03
 Lab: SRI

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

DOSE	Females			
	0 MG/KG	3 MG/KG	6 MG/KG	12 MG/KG
Liver				
Inflammation Chronic				
LESION RATES				
OVERALL (a)	4/50 (8%)	3/49 (6%)	2/49 (4%)	7/50 (14%)
POLY-3 RATE (b)	4/43.08	3/40.09	2/46.26	7/48.21
POLY-3 PERCENT (g)	9.3%	7.5%	4.3%	14.5%
TERMINAL (d)	4/37 (11%)	2/33 (6%)	1/40 (3%)	6/41 (15%)
FIRST INCIDENCE	729 (T)	677	691	647
STATISTICAL TESTS				
POLY 3	P=0.195	P=0.539N	P=0.305N	P=0.329
POLY 1.5	P=0.188	P=0.543N	P=0.310N	P=0.317
POLY 6	P=0.200	P=0.541N	P=0.304N	P=0.337
COCH-ARM / FISHERS	P=0.148	P=0.511N	P=0.349N	P=0.262
MAX-ISO-POLY-3	P=0.182	P=0.386N	P=0.186N	P=0.236

TDMS No. 99037 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 alpha/beta Thujone mixture
 CAS Number: THUJONEMIXAB

Date Report Requested: 09/09/2010
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 First Dose M/F: 06/30/03 / 06/30/03
 Lab: SRI

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

DOSE	Females			
	0 MG/KG	3 MG/KG	6 MG/KG	12 MG/KG
Liver				
Mixed Cell Focus				
LESION RATES				
OVERALL (a)	1/50 (2%)	5/49 (10%)	0/49 (0%)	5/50 (10%)
POLY-3 RATE (b)	1/43.08	5/41.05	0/46.11	5/47.91
POLY-3 PERCENT (g)	2.3%	12.2%	0%	10.4%
TERMINAL (d)	1/37 (3%)	3/33 (9%)	0/40 (0%)	5/41 (12%)
FIRST INCIDENCE	729 (T)	524	---	729 (T)
STATISTICAL TESTS				
POLY 3	P=0.193	P=0.090	P=0.486N	P=0.128
POLY 1.5	P=0.187	P=0.087	P=0.488N	P=0.124
POLY 6	P=0.195	P=0.091	P=0.487N	P=0.130
COCH-ARM / FISHERS	P=0.162	P=0.098	P=0.505N	P=0.102
MAX-ISO-POLY-3	P=0.094	P=0.041*	P=0.160N	P=0.069

TDMS No. 99037 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 alpha/beta Thujone mixture
 CAS Number: THUJONEMIXAB

Date Report Requested: 09/09/2010
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 First Dose M/F: 06/30/03 / 06/30/03
 Lab: SRI

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

DOSE	Females			
	0 MG/KG	3 MG/KG	6 MG/KG	12 MG/KG
Liver				
Necrosis Focal				
LESION RATES				
OVERALL (a)	2/50 (4%)	6/49 (12%)	3/49 (6%)	0/50 (0%)
POLY-3 RATE (b)	2/44.04	6/40.51	3/46.11	0/47.91
POLY-3 PERCENT (g)	4.5%	14.8%	6.5%	0%
TERMINAL (d)	1/37 (3%)	4/33 (12%)	3/40 (8%)	0/41 (0%)
FIRST INCIDENCE	246	585	729 (T)	---
STATISTICAL TESTS				
POLY 3	P=0.070N	P=0.107	P=0.521	P=0.219N
POLY 1.5	P=0.074N	P=0.105	P=0.518	P=0.222N
POLY 6	P=0.069N	P=0.106	P=0.519	P=0.218N
COCH-ARM / FISHERS	P=0.095N	P=0.128	P=0.490	P=0.247N
MAX-ISO-POLY-3	P=0.049N*	P=0.059	P=0.346	P=0.076N

TDMS No. 99037 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 alpha/beta Thujone mixture
 CAS Number: THUJONEMIXAB

Date Report Requested: 09/09/2010
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 Lab: SRI

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

DOSE	Females			
	0 MG/KG	3 MG/KG	6 MG/KG	12 MG/KG
Liver				
Tension Lipidosis				
LESION RATES				
OVERALL (a)	1/50 (2%)	1/49 (2%)	2/49 (4%)	1/50 (2%)
POLY-3 RATE (b)	1/43.44	1/39.89	2/46.50	1/47.91
POLY-3 PERCENT (g)	2.3%	2.5%	4.3%	2.1%
TERMINAL (d)	0/37 (0%)	1/33 (3%)	1/40 (3%)	1/41 (2%)
FIRST INCIDENCE	628	729 (T)	617	729 (T)
STATISTICAL TESTS				
POLY 3	P=0.602N	P=0.742	P=0.524	P=0.738N
POLY 1.5	P=0.607N	P=0.741	P=0.520	P=0.741N
POLY 6	P=0.600N	P=0.738	P=0.523	P=0.738N
COCH-ARM / FISHERS	P=0.592	P=0.747	P=0.492	P=0.753N
MAX-ISO-POLY-3	P=0.612N	P=0.476	P=0.307	P=0.472N

TDMS No. 99037 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 alpha/beta Thujone mixture
 CAS Number: THUJONEMIXAB

Date Report Requested: 09/09/2010
 Time Report Requested: 12:54:20
 First Dose M/F: 06/30/03 / 06/30/03
 Lab: SRI

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

DOSE	Females			
	0 MG/KG	3 MG/KG	6 MG/KG	12 MG/KG
Liver: Centrilobular Necrosis				
LESION RATES				
OVERALL (a)	0/50 (0%)	1/49 (2%)	2/49 (4%)	0/50 (0%)
POLY-3 RATE (b)	0/43.08	1/40.52	2/46.44	0/47.91
POLY-3 PERCENT (g)	0%	2.5%	4.3%	0%
TERMINAL (d)	0/37 (0%)	0/33 (0%)	1/40 (3%)	0/41 (0%)
FIRST INCIDENCE	---	524	638	---
STATISTICAL TESTS				
POLY 3	P=0.569N	P=0.488	P=0.254	(e)
POLY 1.5	P=0.576N	P=0.486	P=0.251	(e)
POLY 6	P=0.565N	P=0.487	P=0.255	(e)
COCH-ARM / FISHERS	P=0.614N	P=0.495	P=0.242	(e)
MAX-ISO-POLY-3	P=0.336N	P=0.157	P=0.093	(e)

TDMS No. 99037 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 alpha/beta Thujone mixture
 CAS Number: THUJONEMIXAB

Date Report Requested: 09/09/2010
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 First Dose M/F: 06/30/03 / 06/30/03
 Lab: SRI

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

DOSE	Females			
	0 MG/KG	3 MG/KG	6 MG/KG	12 MG/KG
Liver: Hepatocyte Vacuolization Cytoplasmic				
LESION RATES				
OVERALL (a)	7/50 (14%)	3/49 (6%)	2/49 (4%)	2/50 (4%)
POLY-3 RATE (b)	7/44.77	3/39.89	2/46.11	2/48.12
POLY-3 PERCENT (g)	15.6%	7.5%	4.3%	4.2%
TERMINAL (d)	2/37 (5%)	3/33 (9%)	2/40 (5%)	0/41 (0%)
FIRST INCIDENCE	564	729 (T)	729 (T)	694
STATISTICAL TESTS				
POLY 3	P=0.040N*	P=0.208N	P=0.072N	P=0.063N
POLY 1.5	P=0.041N*	P=0.202N	P=0.071N	P=0.064N
POLY 6	P=0.040N*	P=0.223N	P=0.077N	P=0.065N
COCH-ARM / FISHERS	P=0.056N	P=0.167N	P=0.085N	P=0.080N
MAX-ISO-POLY-3	P=0.032N*	P=0.137N	P=0.037N*	P=0.034N*

TDMS No. 99037 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 alpha/beta Thujone mixture
 CAS Number: THUJONEMIXAB

Date Report Requested: 09/09/2010
 Time Report Requested: 12:54:20
 First Dose M/F: 06/30/03 / 06/30/03
 Lab: SRI

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

DOSE	Females			
	0 MG/KG	3 MG/KG	6 MG/KG	12 MG/KG
Liver: Kupffer Cell Hyperplasia				
LESION RATES				
OVERALL (a)	2/50 (4%)	1/49 (2%)	1/49 (2%)	1/50 (2%)
POLY-3 RATE (b)	2/43.34	1/39.89	1/46.53	1/47.91
POLY-3 PERCENT (g)	4.6%	2.5%	2.2%	2.1%
TERMINAL (d)	0/37 (0%)	1/33 (3%)	0/40 (0%)	1/41 (2%)
FIRST INCIDENCE	691	729 (T)	609	729 (T)
STATISTICAL TESTS				
POLY 3	P=0.374N	P=0.529N	P=0.475N	P=0.465N
POLY 1.5	P=0.378N	P=0.529N	P=0.479N	P=0.470N
POLY 6	P=0.372N	P=0.534N	P=0.476N	P=0.464N
COCH-ARM / FISHERS	P=0.408N	P=0.508N	P=0.508N	P=0.500N
MAX-ISO-POLY-3	P=0.394N	P=0.311N	P=0.268N	P=0.262N

TDMS No. 99037 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 alpha/beta Thujone mixture
 CAS Number: THUJONEMIXAB

Date Report Requested: 09/09/2010
 Time Report Requested: 12:54:20
 First Dose M/F: 06/30/03 / 06/30/03
 Lab: SRI

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

DOSE	Females			
	0 MG/KG	3 MG/KG	6 MG/KG	12 MG/KG
Lung				
Foreign Body				
LESION RATES				
OVERALL (a)	0/50 (0%)	8/49 (16%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/43.08	8/46.52	0/46.74	0/47.91
POLY-3 PERCENT (g)	0%	17.2%	0%	0%
TERMINAL (d)	0/37 (0%)	1/33 (3%)	0/40 (0%)	0/41 (0%)
FIRST INCIDENCE	---	3	---	---
STATISTICAL TESTS				
POLY 3	P=0.063N	P=0.005**	(e)	(e)
POLY 1.5	P=0.068N	P=0.005**	(e)	(e)
POLY 6	P=0.062N	P=0.005**	(e)	(e)
COCH-ARM / FISHERS	P=0.110N	P=0.003**	(e)	(e)
MAX-ISO-POLY-3	P=0.028N*	P=0.002**	(e)	(e)

TDMS No. 99037 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 alpha/beta Thujone mixture
 CAS Number: THUJONEMIXAB

Date Report Requested: 09/09/2010
 Time Report Requested: 12:54:20
 First Dose M/F: 06/30/03 / 06/30/03
 Lab: SRI

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

DOSE	Females			
	0 MG/KG	3 MG/KG	6 MG/KG	12 MG/KG
Lung Hemorrhage				
LESION RATES				
OVERALL (a)	2/50 (4%)	0/49 (0%)	1/50 (2%)	7/50 (14%)
POLY-3 RATE (b)	2/43.62	0/39.89	1/46.74	7/48.23
POLY-3 PERCENT (g)	4.6%	0%	2.1%	14.5%
TERMINAL (d)	1/37 (3%)	0/33 (0%)	1/40 (3%)	4/41 (10%)
FIRST INCIDENCE	564	---	729 (T)	691
STATISTICAL TESTS				
POLY 3	P=0.008**	P=0.257N	P=0.476N	P=0.106
POLY 1.5	P=0.007**	P=0.257N	P=0.477N	P=0.101
POLY 6	P=0.008**	P=0.261N	P=0.480N	P=0.108
COCH-ARM / FISHERS	P=0.006**	P=0.253N	P=0.500N	P=0.080
MAX-ISO-POLY-3	P=0.009**	P=0.094N	P=0.267N	P=0.063

TDMS No. 99037 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 alpha/beta Thujone mixture
 CAS Number: THUJONEMIXAB

Date Report Requested: 09/09/2010
 Time Report Requested: 12:54:20
 First Dose M/F: 06/30/03 / 06/30/03
 Lab: SRI

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

DOSE	Females			
	0 MG/KG	3 MG/KG	6 MG/KG	12 MG/KG
Lung				
Infiltration Cellular Lymphocyte				
LESION RATES				
OVERALL (a)	2/50 (4%)	0/49 (0%)	2/50 (4%)	4/50 (8%)
POLY-3 RATE (b)	2/43.08	0/39.89	2/46.74	4/47.91
POLY-3 PERCENT (g)	4.6%	0%	4.3%	8.4%
TERMINAL (d)	2/37 (5%)	0/33 (0%)	2/40 (5%)	4/41 (10%)
FIRST INCIDENCE	729 (T)	---	729 (T)	729 (T)
STATISTICAL TESTS				
POLY 3	P=0.145	P=0.254N	P=0.664N	P=0.388
POLY 1.5	P=0.141	P=0.256N	P=0.667N	P=0.379
POLY 6	P=0.148	P=0.256N	P=0.667N	P=0.391
COCH-ARM / FISHERS	P=0.113	P=0.253N	P=0.691N	P=0.339
MAX-ISO-POLY-3	P=0.152	P=0.091N	P=0.467N	P=0.252

TDMS No. 99037 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 alpha/beta Thujone mixture
 CAS Number: THUJONEMIXAB

Date Report Requested: 09/09/2010
 Time Report Requested: 12:54:20
 First Dose M/F: 06/30/03 / 06/30/03
 Lab: SRI

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

DOSE	Females			
	0 MG/KG	3 MG/KG	6 MG/KG	12 MG/KG
Lung Inflammation Acute				
LESION RATES				
OVERALL (a)	0/50 (0%)	4/49 (8%)	1/50 (2%)	0/50 (0%)
POLY-3 RATE (b)	0/43.08	4/43.89	1/47.45	0/47.91
POLY-3 PERCENT (g)	0%	9.1%	2.1%	0%
TERMINAL (d)	0/37 (0%)	0/33 (0%)	0/40 (0%)	0/41 (0%)
FIRST INCIDENCE	---	3	483	---
STATISTICAL TESTS				
POLY 3	P=0.246N	P=0.062	P=0.519	(e)
POLY 1.5	P=0.253N	P=0.062	P=0.517	(e)
POLY 6	P=0.243N	P=0.062	P=0.519	(e)
COCH-ARM / FISHERS	P=0.294N	P=0.056	P=0.500	(e)
MAX-ISO-POLY-3	P=0.157N	P=0.022*	P=0.182	(e)

TDMS No. 99037 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 alpha/beta Thujone mixture
 CAS Number: THUJONEMIXAB

Date Report Requested: 09/09/2010
 Time Report Requested: 12:54:20
 First Dose M/F: 06/30/03 / 06/30/03
 Lab: SRI

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

DOSE	Females			
	0 MG/KG	3 MG/KG	6 MG/KG	12 MG/KG
Lung				
Inflammation Chronic				
LESION RATES				
OVERALL (a)	1/50 (2%)	2/49 (4%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	1/43.08	2/41.89	0/46.74	0/47.91
POLY-3 PERCENT (g)	2.3%	4.8%	0%	0%
TERMINAL (d)	1/37 (3%)	0/33 (0%)	0/40 (0%)	0/41 (0%)
FIRST INCIDENCE	729 (T)	3	---	---
STATISTICAL TESTS				
POLY 3	P=0.174N	P=0.490	P=0.484N	P=0.479N
POLY 1.5	P=0.176N	P=0.488	P=0.485N	P=0.482N
POLY 6	P=0.173N	P=0.488	P=0.485N	P=0.477N
COCH-ARM / FISHERS	P=0.187N	P=0.492	P=0.500N	P=0.500N
MAX-ISO-POLY-3	P=0.167N	P=0.274	P=0.158N	P=0.158N

TDMS No. 99037 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 alpha/beta Thujone mixture
 CAS Number: THUJONEMIXAB

Date Report Requested: 09/09/2010
 Time Report Requested: 12:54:20
 First Dose M/F: 06/30/03 / 06/30/03
 Lab: SRI

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

DOSE	Females			
	0 MG/KG	3 MG/KG	6 MG/KG	12 MG/KG
Lung Thrombosis				
LESION RATES				
OVERALL (a)	1/50 (2%)	0/49 (0%)	0/50 (0%)	1/50 (2%)
POLY-3 RATE (b)	1/43.08	0/39.89	0/46.74	1/48.05
POLY-3 PERCENT (g)	2.3%	0%	0%	2.1%
TERMINAL (d)	1/37 (3%)	0/33 (0%)	0/40 (0%)	0/41 (0%)
FIRST INCIDENCE	729 (T)	---	---	694
STATISTICAL TESTS				
POLY 3	P=0.623	P=0.515N	P=0.484N	P=0.736N
POLY 1.5	P=0.620	P=0.516N	P=0.485N	P=0.740N
POLY 6	P=0.626	P=0.517N	P=0.485N	P=0.733N
COCH-ARM / FISHERS	P=0.596	P=0.505N	P=0.500N	P=0.753N
MAX-ISO-POLY-3	P=0.401N	P=0.176N	P=0.158N	P=0.470N

TDMS No. 99037 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 alpha/beta Thujone mixture
 CAS Number: THUJONEMIXAB

Date Report Requested: 09/09/2010
 Time Report Requested: 12:54:20
 First Dose M/F: 06/30/03 / 06/30/03
 Lab: SRI

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

DOSE	Females			
	0 MG/KG	3 MG/KG	6 MG/KG	12 MG/KG
Lung: Alveolar Epithelium Hyperplasia				
LESION RATES				
OVERALL (a)	1/50 (2%)	1/49 (2%)	1/50 (2%)	0/50 (0%)
POLY-3 RATE (b)	1/44.00	1/39.89	1/46.74	0/47.91
POLY-3 PERCENT (g)	2.3%	2.5%	2.1%	0%
TERMINAL (d)	0/37 (0%)	1/33 (3%)	1/40 (3%)	0/41 (0%)
FIRST INCIDENCE	320	729 (T)	729 (T)	---
STATISTICAL TESTS				
POLY 3	P=0.288N	P=0.739	P=0.747N	P=0.483N
POLY 1.5	P=0.290N	P=0.739	P=0.747N	P=0.486N
POLY 6	P=0.286N	P=0.736	P=0.749N	P=0.482N
COCH-ARM / FISHERS	P=0.310N	P=0.747	P=0.753N	P=0.500N
MAX-ISO-POLY-3	P=0.317N	P=0.472	P=0.482N	P=0.158N

TDMS No. 99037 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 alpha/beta Thujone mixture
 CAS Number: THUJONEMIXAB

Date Report Requested: 09/09/2010
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 First Dose M/F: 06/30/03 / 06/30/03
 Lab: SRI

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

DOSE	Females			
	0 MG/KG	3 MG/KG	6 MG/KG	12 MG/KG
Lymph Node, Mandibular Hematopoietic Cell Proliferation				
LESION RATES				
OVERALL (a)	2/48 (4%)	0/46 (0%)	1/45 (2%)	0/48 (0%)
POLY-3 RATE (b)	2/41.14	0/37.51	1/42.39	0/45.91
POLY-3 PERCENT (g)	4.9%	0%	2.4%	0%
TERMINAL (d)	2/36 (6%)	0/32 (0%)	1/37 (3%)	0/39 (0%)
FIRST INCIDENCE	729 (T)	---	729 (T)	---
STATISTICAL TESTS				
POLY 3	P=0.169N	P=0.258N	P=0.490N	P=0.214N
POLY 1.5	P=0.170N	P=0.260N	P=0.494N	P=0.217N
POLY 6	P=0.168N	P=0.258N	P=0.489N	P=0.212N
COCH-ARM / FISHERS	P=0.189N	P=0.258N	P=0.524N	P=0.247N
MAX-ISO-POLY-3	P=0.081N	P=0.093N	P=0.278N	P=0.076N

TDMS No. 99037 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 alpha/beta Thujone mixture
 CAS Number: THUJONEMIXAB

Date Report Requested: 09/09/2010
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 First Dose M/F: 06/30/03 / 06/30/03
 Lab: SRI

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

DOSE	Females			
	0 MG/KG	3 MG/KG	6 MG/KG	12 MG/KG
Lymph Node, Mandibular Hyperplasia Lymphoid				
LESION RATES				
OVERALL (a)	9/48 (19%)	6/46 (13%)	7/45 (16%)	2/48 (4%)
POLY-3 RATE (b)	9/41.78	6/37.94	7/42.39	2/45.91
POLY-3 PERCENT (g)	21.5%	15.8%	16.5%	4.4%
TERMINAL (d)	7/36 (19%)	4/32 (13%)	7/37 (19%)	2/39 (5%)
FIRST INCIDENCE	580	669	729 (T)	729 (T)
STATISTICAL TESTS				
POLY 3	P=0.014N*	P=0.358N	P=0.379N	P=0.016N*
POLY 1.5	P=0.015N*	P=0.365N	P=0.384N	P=0.017N*
POLY 6	P=0.014N*	P=0.358N	P=0.387N	P=0.016N*
COCH-ARM / FISHERS	P=0.028N*	P=0.319N	P=0.448N	P=0.025N*
MAX-ISO-POLY-3	P=0.019N*	P=0.266N	P=0.284N	P=0.009N**

TDMS No. 99037 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 alpha/beta Thujone mixture
 CAS Number: THUJONEMIXAB

Date Report Requested: 09/09/2010
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 First Dose M/F: 06/30/03 / 06/30/03
 Lab: SRI

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

DOSE	Females			
	0 MG/KG	3 MG/KG	6 MG/KG	12 MG/KG
Lymph Node, Mandibular Pigmentation				
LESION RATES				
OVERALL (a)	4/48 (8%)	3/46 (7%)	4/45 (9%)	3/48 (6%)
POLY-3 RATE (b)	4/41.25	3/38.14	4/42.79	3/46.35
POLY-3 PERCENT (g)	9.7%	7.9%	9.4%	6.5%
TERMINAL (d)	3/36 (8%)	2/32 (6%)	3/37 (8%)	0/39 (0%)
FIRST INCIDENCE	700	524	617	668
STATISTICAL TESTS				
POLY 3	P=0.379N	P=0.543N	P=0.623N	P=0.437N
POLY 1.5	P=0.389N	P=0.551N	P=0.631N	P=0.448N
POLY 6	P=0.372N	P=0.541N	P=0.621N	P=0.430N
COCH-ARM / FISHERS	P=0.459N	P=0.524N	P=0.606	P=0.500N
MAX-ISO-POLY-3	P=0.485N	P=0.389N	P=0.478N	P=0.302N

TDMS No. 99037 - 06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
alpha/beta Thujone mixture
CAS Number: THUJONEMIXAB

Date Report Requested: 09/09/2010
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First Dose M/F: 06/30/03 / 06/30/03
Lab: SRI

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

DOSE	Females			
	0 MG/KG	3 MG/KG	6 MG/KG	12 MG/KG
Lymph Node, Mesenteric Angiectasis				
LESION RATES				
OVERALL (a)	0/46 (0%)	0/49 (0%)	0/46 (0%)	0/48 (0%)
POLY-3 RATE (b)	0/40.33	0/39.89	0/43.50	0/45.91
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/36 (0%)	0/33 (0%)	0/38 (0%)	0/39 (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. 99037 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 alpha/beta Thujone mixture
 CAS Number: THUJONEMIXAB

Date Report Requested: 09/09/2010
 Time Report Requested: 12:54:20
 First Dose M/F: 06/30/03 / 06/30/03
 Lab: SRI

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

DOSE	Females			
	0 MG/KG	3 MG/KG	6 MG/KG	12 MG/KG
Lymph Node, Mesenteric Atrophy				
LESION RATES				
OVERALL (a)	0/46 (0%)	2/49 (4%)	1/46 (2%)	1/48 (2%)
POLY-3 RATE (b)	0/40.33	2/41.52	1/43.63	1/45.91
POLY-3 PERCENT (g)	0%	4.8%	2.3%	2.2%
TERMINAL (d)	0/36 (0%)	0/33 (0%)	0/38 (0%)	1/39 (3%)
FIRST INCIDENCE	---	5	698	729 (T)
STATISTICAL TESTS				
POLY 3	P=0.547	P=0.243	P=0.516	P=0.526
POLY 1.5	P=0.541	P=0.242	P=0.514	P=0.523
POLY 6	P=0.549	P=0.242	P=0.516	P=0.526
COCH-ARM / FISHERS	P=0.506	P=0.263	P=0.500	P=0.511
MAX-ISO-POLY-3	P=0.302	P=0.079	P=0.178	P=0.187

TDMS No. 99037 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 alpha/beta Thujone mixture
 CAS Number: THUJONEMIXAB

Date Report Requested: 09/09/2010
 Time Report Requested: 12:54:20
 First Dose M/F: 06/30/03 / 06/30/03
 Lab: SRI

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

DOSE	Females			
	0 MG/KG	3 MG/KG	6 MG/KG	12 MG/KG
Lymph Node, Mesenteric Ectasia				
LESION RATES				
OVERALL (a)	1/46 (2%)	0/49 (0%)	0/46 (0%)	2/48 (4%)
POLY-3 RATE (b)	1/40.33	0/39.89	0/43.50	2/45.91
POLY-3 PERCENT (g)	2.5%	0%	0%	4.4%
TERMINAL (d)	1/36 (3%)	0/33 (0%)	0/38 (0%)	2/39 (5%)
FIRST INCIDENCE	729 (T)	---	---	729 (T)
STATISTICAL TESTS				
POLY 3	P=0.275	P=0.502N	P=0.485N	P=0.545
POLY 1.5	P=0.273	P=0.502N	P=0.486N	P=0.541
POLY 6	P=0.277	P=0.505N	P=0.485N	P=0.546
COCH-ARM / FISHERS	P=0.250	P=0.484N	P=0.500N	P=0.516
MAX-ISO-POLY-3	P=0.185	P=0.165N	P=0.158N	P=0.328

TDMS No. 99037 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 alpha/beta Thujone mixture
 CAS Number: THUJONEMIXAB

Date Report Requested: 09/09/2010
 Time Report Requested: 12:54:20
 First Dose M/F: 06/30/03 / 06/30/03
 Lab: SRI

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

DOSE	Females			
	0 MG/KG	3 MG/KG	6 MG/KG	12 MG/KG
Lymph Node, Mesenteric Hematopoietic Cell Proliferation				
LESION RATES				
OVERALL (a)	0/46 (0%)	0/49 (0%)	1/46 (2%)	1/48 (2%)
POLY-3 RATE (b)	0/40.33	0/39.89	1/43.50	1/45.91
POLY-3 PERCENT (g)	0%	0%	2.3%	2.2%
TERMINAL (d)	0/36 (0%)	0/33 (0%)	1/38 (3%)	1/39 (3%)
FIRST INCIDENCE	---	---	729 (T)	729 (T)
STATISTICAL TESTS				
POLY 3	P=0.275	(e)	P=0.515	P=0.526
POLY 1.5	P=0.271	(e)	P=0.514	P=0.523
POLY 6	P=0.277	(e)	P=0.515	P=0.526
COCH-ARM / FISHERS	P=0.239	(e)	P=0.500	P=0.511
MAX-ISO-POLY-3	P=0.291	(e)	P=0.177	P=0.187

TDMS No. 99037 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 alpha/beta Thujone mixture
 CAS Number: THUJONEMIXAB

Date Report Requested: 09/09/2010
 Time Report Requested: 12:54:20
 First Dose M/F: 06/30/03 / 06/30/03
 Lab: SRI

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

DOSE	Females			
	0 MG/KG	3 MG/KG	6 MG/KG	12 MG/KG
Lymph Node, Mesenteric Hemorrhage				
LESION RATES				
OVERALL (a)	2/46 (4%)	4/49 (8%)	1/46 (2%)	4/48 (8%)
POLY-3 RATE (b)	2/40.33	4/40.19	1/43.50	4/45.91
POLY-3 PERCENT (g)	5%	10%	2.3%	8.7%
TERMINAL (d)	2/36 (6%)	2/33 (6%)	1/38 (3%)	4/39 (10%)
FIRST INCIDENCE	729 (T)	677	729 (T)	729 (T)
STATISTICAL TESTS				
POLY 3	P=0.417	P=0.335	P=0.474N	P=0.399
POLY 1.5	P=0.411	P=0.334	P=0.476N	P=0.393
POLY 6	P=0.418	P=0.332	P=0.475N	P=0.400
COCH-ARM / FISHERS	P=0.367	P=0.369	P=0.500N	P=0.359
MAX-ISO-POLY-3	P=0.403	P=0.203	P=0.266N	P=0.260

TDMS No. 99037 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 alpha/beta Thujone mixture
 CAS Number: THUJONEMIXAB

Date Report Requested: 09/09/2010
 Time Report Requested: 12:54:20
 First Dose M/F: 06/30/03 / 06/30/03
 Lab: SRI

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

DOSE	Females			
	0 MG/KG	3 MG/KG	6 MG/KG	12 MG/KG
Lymph Node, Mesenteric Hyperplasia Lymphoid				
LESION RATES				
OVERALL (a)	6/46 (13%)	6/49 (12%)	2/46 (4%)	7/48 (15%)
POLY-3 RATE (b)	6/40.84	6/39.89	2/43.50	7/45.91
POLY-3 PERCENT (g)	14.7%	15%	4.6%	15.3%
TERMINAL (d)	4/36 (11%)	6/33 (18%)	2/38 (5%)	7/39 (18%)
FIRST INCIDENCE	628	729 (T)	729 (T)	729 (T)
STATISTICAL TESTS				
POLY 3	P=0.562N	P=0.605	P=0.112N	P=0.590
POLY 1.5	P=0.563	P=0.609	P=0.113N	P=0.585
POLY 6	P=0.562N	P=0.590	P=0.116N	P=0.585
COCH-ARM / FISHERS	P=0.500	P=0.575N	P=0.133N	P=0.533
MAX-ISO-POLY-3	P=0.413N	P=0.482	P=0.062N	P=0.471

TDMS No. 99037 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 alpha/beta Thujone mixture
 CAS Number: THUJONEMIXAB

Date Report Requested: 09/09/2010
 Time Report Requested: 12:54:20
 First Dose M/F: 06/30/03 / 06/30/03
 Lab: SRI

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

DOSE	Females			
	0 MG/KG	3 MG/KG	6 MG/KG	12 MG/KG
Mammary Gland Hyperplasia				
LESION RATES				
OVERALL (a)	5/50 (10%)	5/49 (10%)	3/50 (6%)	6/50 (12%)
POLY-3 RATE (b)	5/43.46	5/41.11	3/47.01	6/48.93
POLY-3 PERCENT (g)	11.5%	12.2%	6.4%	12.3%
TERMINAL (d)	3/37 (8%)	2/33 (6%)	1/40 (3%)	2/41 (5%)
FIRST INCIDENCE	669	566	691	579
STATISTICAL TESTS				
POLY 3	P=0.544	P=0.595	P=0.314N	P=0.582
POLY 1.5	P=0.531	P=0.587	P=0.318N	P=0.566
POLY 6	P=0.553	P=0.597	P=0.318N	P=0.592
COCH-ARM / FISHERS	P=0.456	P=0.617	P=0.357N	P=0.500
MAX-ISO-POLY-3	P=0.565N	P=0.463	P=0.206N	P=0.457

TDMS No. 99037 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 alpha/beta Thujone mixture
 CAS Number: THUJONEMIXAB

Date Report Requested: 09/09/2010
 Time Report Requested: 12:54:20
 First Dose M/F: 06/30/03 / 06/30/03
 Lab: SRI

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

DOSE	Females			
	0 MG/KG	3 MG/KG	6 MG/KG	12 MG/KG
Mesentery: Fat Necrosis				
LESION RATES				
OVERALL (a)	8/10 (80%)	6/6 (100%)	3/5 (60%)	6/6 (100%)
POLY-3 RATE (b)	8/9.89	6/6.00	3/5.00	6/6.00
POLY-3 PERCENT (g)	80.9%	100%	60%	100%
TERMINAL (d)	8/9 (89%)	5/5 (100%)	2/4 (50%)	4/4 (100%)
FIRST INCIDENCE	729 (T)	554	691	691
STATISTICAL TESTS				
POLY 3	P=0.386	P=0.367	P=0.407N	P=0.367
POLY 1.5	P=0.378	P=0.359	P=0.414N	P=0.359
POLY 6	P=0.403	P=0.383	P=0.393N	P=0.383
COCH-ARM / FISHERS	P=0.371	P=0.375	P=0.407N	P=0.375
MAX-ISO-POLY-3	P=0.266	P=0.152	P=0.233N	P=0.152

TDMS No. 99037 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 alpha/beta Thujone mixture
 CAS Number: THUJONEMIXAB

Date Report Requested: 09/09/2010
 Time Report Requested: 12:54:20
 First Dose M/F: 06/30/03 / 06/30/03
 Lab: SRI

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

DOSE	Females			
	0 MG/KG	3 MG/KG	6 MG/KG	12 MG/KG
Nose				
Foreign Body				
LESION RATES				
OVERALL (a)	1/50 (2%)	4/49 (8%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	1/44.04	4/42.51	0/46.74	0/47.91
POLY-3 PERCENT (g)	2.3%	9.4%	0%	0%
TERMINAL (d)	0/37 (0%)	0/33 (0%)	0/40 (0%)	0/41 (0%)
FIRST INCIDENCE	246	3	---	---
STATISTICAL TESTS				
POLY 3	P=0.108N	P=0.168	P=0.488N	P=0.483N
POLY 1.5	P=0.111N	P=0.166	P=0.489N	P=0.486N
POLY 6	P=0.107N	P=0.168	P=0.490N	P=0.482N
COCH-ARM / FISHERS	P=0.125N	P=0.175	P=0.500N	P=0.500N
MAX-ISO-POLY-3	P=0.077N	P=0.080	P=0.158N	P=0.158N

TDMS No. 99037 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 alpha/beta Thujone mixture
 CAS Number: THUJONEMIXAB

Date Report Requested: 09/09/2010
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 First Dose M/F: 06/30/03 / 06/30/03
 Lab: SRI

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

DOSE	Females			
	0 MG/KG	3 MG/KG	6 MG/KG	12 MG/KG
Nose				
Inflammation Chronic				
LESION RATES				
OVERALL (a)	2/50 (4%)	4/49 (8%)	2/50 (4%)	0/50 (0%)
POLY-3 RATE (b)	2/43.08	4/39.89	2/46.92	0/47.91
POLY-3 PERCENT (g)	4.6%	10%	4.3%	0%
TERMINAL (d)	2/37 (5%)	4/33 (12%)	1/40 (3%)	0/41 (0%)
FIRST INCIDENCE	729 (T)	729 (T)	682	---
STATISTICAL TESTS				
POLY 3	P=0.085N	P=0.302	P=0.663N	P=0.214N
POLY 1.5	P=0.089N	P=0.300	P=0.666N	P=0.218N
POLY 6	P=0.083N	P=0.298	P=0.664N	P=0.213N
COCH-ARM / FISHERS	P=0.110N	P=0.329	P=0.691N	P=0.247N
MAX-ISO-POLY-3	P=0.086N	P=0.181	P=0.466N	P=0.076N

TDMS No. 99037 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 alpha/beta Thujone mixture
 CAS Number: THUJONEMIXAB

Date Report Requested: 09/09/2010
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 First Dose M/F: 06/30/03 / 06/30/03
 Lab: SRI

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

DOSE	Females			
	0 MG/KG	3 MG/KG	6 MG/KG	12 MG/KG
Ovary				
Angiectasis				
LESION RATES				
OVERALL (a)	1/48 (2%)	1/47 (2%)	2/49 (4%)	4/48 (8%)
POLY-3 RATE (b)	1/41.14	1/38.89	2/46.44	4/45.98
POLY-3 PERCENT (g)	2.4%	2.6%	4.3%	8.7%
TERMINAL (d)	1/36 (3%)	1/32 (3%)	1/40 (3%)	4/40 (10%)
FIRST INCIDENCE	729 (T)	729 (T)	638	729 (T)
STATISTICAL TESTS				
POLY 3	P=0.096	P=0.748	P=0.542	P=0.214
POLY 1.5	P=0.093	P=0.747	P=0.537	P=0.208
POLY 6	P=0.099	P=0.746	P=0.543	P=0.217
COCH-ARM / FISHERS	P=0.073	P=0.747	P=0.508	P=0.181
MAX-ISO-POLY-3	P=0.149	P=0.484	P=0.325	P=0.118

TDMS No. 99037 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 alpha/beta Thujone mixture
 CAS Number: THUJONEMIXAB

Date Report Requested: 09/09/2010
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 First Dose M/F: 06/30/03 / 06/30/03
 Lab: SRI

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

DOSE	Females			
	0 MG/KG	3 MG/KG	6 MG/KG	12 MG/KG
Ovary Cyst				
LESION RATES				
OVERALL (a)	15/48 (31%)	14/47 (30%)	14/49 (29%)	14/48 (29%)
POLY-3 RATE (b)	15/42.25	14/39.13	14/46.56	14/46.19
POLY-3 PERCENT (g)	35.5%	35.8%	30.1%	30.3%
TERMINAL (d)	13/36 (36%)	12/32 (38%)	12/40 (30%)	12/40 (30%)
FIRST INCIDENCE	296	677	646	694
STATISTICAL TESTS				
POLY 3	P=0.307N	P=0.581	P=0.375N	P=0.385N
POLY 1.5	P=0.326N	P=0.580	P=0.387N	P=0.403N
POLY 6	P=0.293N	P=0.570	P=0.374N	P=0.375N
COCH-ARM / FISHERS	P=0.455N	P=0.527N	P=0.473N	P=0.500N
MAX-ISO-POLY-3	P=0.480N	P=0.489	P=0.301N	P=0.310N

TDMS No. 99037 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 alpha/beta Thujone mixture
 CAS Number: THUJONEMIXAB

Date Report Requested: 09/09/2010
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 First Dose M/F: 06/30/03 / 06/30/03
 Lab: SRI

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

DOSE	Females			
	0 MG/KG	3 MG/KG	6 MG/KG	12 MG/KG
Ovary Hemorrhage				
LESION RATES				
OVERALL (a)	7/48 (15%)	5/47 (11%)	13/49 (27%)	10/48 (21%)
POLY-3 RATE (b)	7/41.14	5/39.12	13/46.26	10/46.21
POLY-3 PERCENT (g)	17%	12.8%	28.1%	21.6%
TERMINAL (d)	7/36 (19%)	4/32 (13%)	12/40 (30%)	9/40 (23%)
FIRST INCIDENCE	729 (T)	669	691	668
STATISTICAL TESTS				
POLY 3	P=0.240	P=0.414N	P=0.164	P=0.393
POLY 1.5	P=0.223	P=0.420N	P=0.158	P=0.375
POLY 6	P=0.253	P=0.417N	P=0.164	P=0.404
COCH-ARM / FISHERS	P=0.139	P=0.395N	P=0.114	P=0.297
MAX-ISO-POLY-3	P=0.219	P=0.302N	P=0.121	P=0.304

TDMS No. 99037 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 alpha/beta Thujone mixture
 CAS Number: THUJONEMIXAB

Date Report Requested: 09/09/2010
 Time Report Requested: 12:54:20
 First Dose M/F: 06/30/03 / 06/30/03
 Lab: SRI

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

DOSE	Females			
	0 MG/KG	3 MG/KG	6 MG/KG	12 MG/KG
Ovary Pigmentation				
LESION RATES				
OVERALL (a)	0/48 (0%)	0/47 (0%)	2/49 (4%)	0/48 (0%)
POLY-3 RATE (b)	0/41.14	0/38.89	2/46.11	0/45.98
POLY-3 PERCENT (g)	0%	0%	4.3%	0%
TERMINAL (d)	0/36 (0%)	0/32 (0%)	2/40 (5%)	0/40 (0%)
FIRST INCIDENCE	---	---	729 (T)	---
STATISTICAL TESTS				
POLY 3	P=0.661	(e)	P=0.263	(e)
POLY 1.5	P=0.651	(e)	P=0.261	(e)
POLY 6	P=0.667	(e)	P=0.263	(e)
COCH-ARM / FISHERS	P=0.597	(e)	P=0.253	(e)
MAX-ISO-POLY-3	P=0.295	(e)	P=0.100	(e)

TDMS No. 99037 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 alpha/beta Thujone mixture
 CAS Number: THUJONEMIXAB

Date Report Requested: 09/09/2010
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 First Dose M/F: 06/30/03 / 06/30/03
 Lab: SRI

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

DOSE	Females			
	0 MG/KG	3 MG/KG	6 MG/KG	12 MG/KG
Pancreas Atrophy				
LESION RATES				
OVERALL (a)	2/48 (4%)	1/49 (2%)	2/48 (4%)	1/50 (2%)
POLY-3 RATE (b)	2/42.10	1/39.89	2/45.39	1/48.05
POLY-3 PERCENT (g)	4.8%	2.5%	4.4%	2.1%
TERMINAL (d)	2/37 (5%)	1/33 (3%)	2/40 (5%)	0/41 (0%)
FIRST INCIDENCE	729 (T)	729 (T)	729 (T)	694
STATISTICAL TESTS				
POLY 3	P=0.386N	P=0.519N	P=0.666N	P=0.454N
POLY 1.5	P=0.392N	P=0.519N	P=0.670N	P=0.460N
POLY 6	P=0.381N	P=0.522N	P=0.666N	P=0.451N
COCH-ARM / FISHERS	P=0.432N	P=0.492N	P=0.692N	P=0.485N
MAX-ISO-POLY-3	P=0.411N	P=0.302N	P=0.470N	P=0.255N

TDMS No. 99037 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 alpha/beta Thujone mixture
 CAS Number: THUJONEMIXAB

Date Report Requested: 09/09/2010
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 First Dose M/F: 06/30/03 / 06/30/03
 Lab: SRI

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

DOSE	Females			
	0 MG/KG	3 MG/KG	6 MG/KG	12 MG/KG
Pancreas				
Basophilic Focus				
LESION RATES				
OVERALL (a)	1/48 (2%)	1/49 (2%)	1/48 (2%)	0/50 (0%)
POLY-3 RATE (b)	1/42.10	1/39.89	1/45.39	0/47.91
POLY-3 PERCENT (g)	2.4%	2.5%	2.2%	0%
TERMINAL (d)	1/37 (3%)	1/33 (3%)	1/40 (3%)	0/41 (0%)
FIRST INCIDENCE	729 (T)	729 (T)	729 (T)	---
STATISTICAL TESTS				
POLY 3	P=0.281N	P=0.749	P=0.744N	P=0.474N
POLY 1.5	P=0.284N	P=0.748	P=0.746N	P=0.477N
POLY 6	P=0.279N	P=0.747	P=0.743N	P=0.473N
COCH-ARM / FISHERS	P=0.304N	P=0.747N	P=0.753N	P=0.490N
MAX-ISO-POLY-3	P=0.321N	P=0.484	P=0.478N	P=0.156N

TDMS No. 99037 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 alpha/beta Thujone mixture
 CAS Number: THUJONEMIXAB

Date Report Requested: 09/09/2010
 Time Report Requested: 12:54:20
 First Dose M/F: 06/30/03 / 06/30/03
 Lab: SRI

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

DOSE	Females			
	0 MG/KG	3 MG/KG	6 MG/KG	12 MG/KG
Pancreas Cyst				
LESION RATES				
OVERALL (a)	1/48 (2%)	0/49 (0%)	2/48 (4%)	3/50 (6%)
POLY-3 RATE (b)	1/42.10	0/39.89	2/45.39	3/48.54
POLY-3 PERCENT (g)	2.4%	0%	4.4%	6.2%
TERMINAL (d)	1/37 (3%)	0/33 (0%)	2/40 (5%)	1/41 (2%)
FIRST INCIDENCE	729 (T)	---	729 (T)	579
STATISTICAL TESTS				
POLY 3	P=0.144	P=0.511N	P=0.526	P=0.358
POLY 1.5	P=0.138	P=0.511N	P=0.523	P=0.351
POLY 6	P=0.149	P=0.513N	P=0.527	P=0.364
COCH-ARM / FISHERS	P=0.111	P=0.495N	P=0.500	P=0.324
MAX-ISO-POLY-3	P=0.173	P=0.173N	P=0.309	P=0.206

TDMS No. 99037 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 alpha/beta Thujone mixture
 CAS Number: THUJONEMIXAB

Date Report Requested: 09/09/2010
 Time Report Requested: 12:54:20
 First Dose M/F: 06/30/03 / 06/30/03
 Lab: SRI

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

DOSE	Females			
	0 MG/KG	3 MG/KG	6 MG/KG	12 MG/KG
Pancreas				
Infiltration Cellular Lymphocyte				
LESION RATES				
OVERALL (a)	3/48 (6%)	0/49 (0%)	1/48 (2%)	1/50 (2%)
POLY-3 RATE (b)	3/42.25	0/39.89	1/45.39	1/47.91
POLY-3 PERCENT (g)	7.1%	0%	2.2%	2.1%
TERMINAL (d)	2/37 (5%)	0/33 (0%)	1/40 (3%)	1/41 (2%)
FIRST INCIDENCE	691	---	729 (T)	729 (T)
STATISTICAL TESTS				
POLY 3	P=0.256N	P=0.129N	P=0.280N	P=0.262N
POLY 1.5	P=0.258N	P=0.129N	P=0.283N	P=0.266N
POLY 6	P=0.253N	P=0.131N	P=0.281N	P=0.260N
COCH-ARM / FISHERS	P=0.287N	P=0.117N	P=0.308N	P=0.293N
MAX-ISO-POLY-3	P=0.098N	P=0.047N*	P=0.145N	P=0.137N

TDMS No. 99037 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 alpha/beta Thujone mixture
 CAS Number: THUJONEMIXAB

Date Report Requested: 09/09/2010
 Time Report Requested: 12:54:20
 First Dose M/F: 06/30/03 / 06/30/03
 Lab: SRI

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

DOSE	Females			
	0 MG/KG	3 MG/KG	6 MG/KG	12 MG/KG
Pancreas: Acinus Cytoplasmic Alteration				
LESION RATES				
OVERALL (a)	2/48 (4%)	0/49 (0%)	1/48 (2%)	0/50 (0%)
POLY-3 RATE (b)	2/42.25	0/39.89	1/45.54	0/47.91
POLY-3 PERCENT (g)	4.7%	0%	2.2%	0%
TERMINAL (d)	1/37 (3%)	0/33 (0%)	0/40 (0%)	0/41 (0%)
FIRST INCIDENCE	691	---	691	---
STATISTICAL TESTS				
POLY 3	P=0.163N	P=0.250N	P=0.474N	P=0.210N
POLY 1.5	P=0.164N	P=0.250N	P=0.477N	P=0.213N
POLY 6	P=0.161N	P=0.253N	P=0.474N	P=0.209N
COCH-ARM / FISHERS	P=0.183N	P=0.242N	P=0.500N	P=0.237N
MAX-ISO-POLY-3	P=0.075N	P=0.089N	P=0.266N	P=0.073N

TDMS No. 99037 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 alpha/beta Thujone mixture
 CAS Number: THUJONEMIXAB

Date Report Requested: 09/09/2010
 Time Report Requested: 12:54:20
 First Dose M/F: 06/30/03 / 06/30/03
 Lab: SRI

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

DOSE	Females			
	0 MG/KG	3 MG/KG	6 MG/KG	12 MG/KG
Parathyroid Gland Cyst				
LESION RATES				
OVERALL (a)	2/45 (4%)	0/42 (0%)	1/46 (2%)	0/47 (0%)
POLY-3 RATE (b)	2/39.23	0/35.38	1/43.45	0/45.06
POLY-3 PERCENT (g)	5.1%	0%	2.3%	0%
TERMINAL (d)	2/35 (6%)	0/29 (0%)	0/36 (0%)	0/40 (0%)
FIRST INCIDENCE	729 (T)	---	483	---
STATISTICAL TESTS				
POLY 3	P=0.163N	P=0.260N	P=0.464N	P=0.207N
POLY 1.5	P=0.164N	P=0.260N	P=0.465N	P=0.209N
POLY 6	P=0.161N	P=0.265N	P=0.470N	P=0.208N
COCH-ARM / FISHERS	P=0.178N	P=0.265N	P=0.492N	P=0.237N
MAX-ISO-POLY-3	P=0.077N	P=0.094N	P=0.260N	P=0.073N

TDMS No. 99037 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 alpha/beta Thujone mixture
 CAS Number: THUJONEMIXAB

Date Report Requested: 09/09/2010
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 First Dose M/F: 06/30/03 / 06/30/03
 Lab: SRI

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

DOSE	Females			
	0 MG/KG	3 MG/KG	6 MG/KG	12 MG/KG
Pituitary Gland: Pars Distalis Cyst				
LESION RATES				
OVERALL (a)	3/49 (6%)	2/48 (4%)	0/48 (0%)	3/49 (6%)
POLY-3 RATE (b)	3/43.07	2/38.89	0/45.11	3/46.91
POLY-3 PERCENT (g)	7%	5.1%	0%	6.4%
TERMINAL (d)	3/37 (8%)	2/32 (6%)	0/39 (0%)	3/40 (8%)
FIRST INCIDENCE	729 (T)	729 (T)	---	729 (T)
STATISTICAL TESTS				
POLY 3	P=0.563N	P=0.546N	P=0.111N	P=0.622N
POLY 1.5	P=0.566N	P=0.547N	P=0.112N	P=0.630N
POLY 6	P=0.561N	P=0.551N	P=0.111N	P=0.619N
COCH-ARM / FISHERS	P=0.594N	P=0.510N	P=0.125N	P=0.661N
MAX-ISO-POLY-3	P=0.337N	P=0.371N	P=0.038N*	P=0.458N

TDMS No. 99037 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 alpha/beta Thujone mixture
 CAS Number: THUJONEMIXAB

Date Report Requested: 09/09/2010
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 Lab: SRI

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

DOSE	Females			
	0 MG/KG	3 MG/KG	6 MG/KG	12 MG/KG
Pituitary Gland: Pars Distalis Hyperplasia Focal				
LESION RATES				
OVERALL (a)	9/49 (18%)	4/48 (8%)	7/48 (15%)	4/49 (8%)
POLY-3 RATE (b)	9/43.07	4/38.89	7/45.11	4/46.91
POLY-3 PERCENT (g)	20.9%	10.3%	15.5%	8.5%
TERMINAL (d)	9/37 (24%)	4/32 (13%)	7/39 (18%)	4/40 (10%)
FIRST INCIDENCE	729 (T)	729 (T)	729 (T)	729 (T)
STATISTICAL TESTS				
POLY 3	P=0.097N	P=0.156N	P=0.353N	P=0.085N
POLY 1.5	P=0.103N	P=0.158N	P=0.360N	P=0.090N
POLY 6	P=0.092N	P=0.160N	P=0.355N	P=0.082N
COCH-ARM / FISHERS	P=0.150N	P=0.124N	P=0.410N	P=0.116N
MAX-ISO-POLY-3	P=0.077N	P=0.104N	P=0.263N	P=0.053N

TDMS No. 99037 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 alpha/beta Thujone mixture
 CAS Number: THUJONEMIXAB

Date Report Requested: 09/09/2010
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 Lab: SRI

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

DOSE	Females			
	0 MG/KG	3 MG/KG	6 MG/KG	12 MG/KG
Salivary Glands				
Infiltration Cellular Lymphocyte				
LESION RATES				
OVERALL (a)	11/49 (22%)	13/48 (27%)	19/49 (39%)	13/50 (26%)
POLY-3 RATE (b)	11/42.63	13/39.67	19/46.44	13/48.73
POLY-3 PERCENT (g)	25.8%	32.8%	40.9%	26.7%
TERMINAL (d)	10/37 (27%)	11/33 (33%)	18/40 (45%)	11/41 (27%)
FIRST INCIDENCE	580	677	609	543
STATISTICAL TESTS				
POLY 3	P=0.510N	P=0.326	P=0.098	P=0.556
POLY 1.5	P=0.540N	P=0.319	P=0.095	P=0.534
POLY 6	P=0.492N	P=0.322	P=0.094	P=0.568
COCH-ARM / FISHERS	P=0.369	P=0.385	P=0.062	P=0.430
MAX-ISO-POLY-3	P=0.360	P=0.251	P=0.072	P=0.463

TDMS No. 99037 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 alpha/beta Thujone mixture
 CAS Number: THUJONEMIXAB

Date Report Requested: 09/09/2010
 Time Report Requested: 12:54:20
 First Dose M/F: 06/30/03 / 06/30/03
 Lab: SRI

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

DOSE	Females			
	0 MG/KG	3 MG/KG	6 MG/KG	12 MG/KG
Skin				
Cyst Epithelial Inclusion				
LESION RATES				
OVERALL (a)	0/50 (0%)	0/49 (0%)	0/50 (0%)	1/50 (2%)
POLY-3 RATE (b)	0/43.08	0/39.89	0/46.74	1/47.91
POLY-3 PERCENT (g)	0%	0%	0%	2.1%
TERMINAL (d)	0/37 (0%)	0/33 (0%)	0/40 (0%)	1/41 (2%)
FIRST INCIDENCE	---	---	---	729 (T)
STATISTICAL TESTS				
POLY 3	P=0.219	(e)	(e)	P=0.521
POLY 1.5	P=0.217	(e)	(e)	P=0.518
POLY 6	P=0.221	(e)	(e)	P=0.523
COCH-ARM / FISHERS	P=0.200	(e)	(e)	P=0.500
MAX-ISO-POLY-3	P=0.162	(e)	(e)	P=0.184

TDMS No. 99037 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 alpha/beta Thujone mixture
 CAS Number: THUJONEMIXAB

Date Report Requested: 09/09/2010
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 First Dose M/F: 06/30/03 / 06/30/03
 Lab: SRI

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

DOSE	Females			
	0 MG/KG	3 MG/KG	6 MG/KG	12 MG/KG
Skin				
Edema				
LESION RATES				
OVERALL (a)	0/50 (0%)	1/49 (2%)	0/50 (0%)	1/50 (2%)
POLY-3 RATE (b)	0/43.08	1/39.89	0/46.74	1/48.06
POLY-3 PERCENT (g)	0%	2.5%	0%	2.1%
TERMINAL (d)	0/37 (0%)	1/33 (3%)	0/40 (0%)	0/41 (0%)
FIRST INCIDENCE	---	729 (T)	---	691
STATISTICAL TESTS				
POLY 3	P=0.437	P=0.485	(e)	P=0.522
POLY 1.5	P=0.431	P=0.484	(e)	P=0.518
POLY 6	P=0.439	P=0.483	(e)	P=0.524
COCH-ARM / FISHERS	P=0.407	P=0.495	(e)	P=0.500
MAX-ISO-POLY-3	P=0.299	P=0.157	(e)	P=0.185

TDMS No. 99037 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 alpha/beta Thujone mixture
 CAS Number: THUJONEMIXAB

Date Report Requested: 09/09/2010
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 First Dose M/F: 06/30/03 / 06/30/03
 Lab: SRI

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

DOSE	Females			
	0 MG/KG	3 MG/KG	6 MG/KG	12 MG/KG
Skin				
Ulcer				
LESION RATES				
OVERALL (a)	2/50 (4%)	1/49 (2%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	2/44.13	1/40.09	0/46.74	0/47.91
POLY-3 PERCENT (g)	4.5%	2.5%	0%	0%
TERMINAL (d)	0/37 (0%)	0/33 (0%)	0/40 (0%)	0/41 (0%)
FIRST INCIDENCE	142	677	---	---
STATISTICAL TESTS				
POLY 3	P=0.094N	P=0.533N	P=0.225N	P=0.219N
POLY 1.5	P=0.094N	P=0.535N	P=0.226N	P=0.223N
POLY 6	P=0.093N	P=0.536N	P=0.226N	P=0.218N
COCH-ARM / FISHERS	P=0.100N	P=0.508N	P=0.247N	P=0.247N
MAX-ISO-POLY-3	P=0.078N	P=0.316N	P=0.076N	P=0.076N

TDMS No. 99037 - 06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
alpha/beta Thujone mixture
CAS Number: THUJONEMIXAB

Date Report Requested: 09/09/2010
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Lab: SRI

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

DOSE	Females			
	0 MG/KG	3 MG/KG	6 MG/KG	12 MG/KG
Skin: Epidermis Hyperplasia				
LESION RATES				
OVERALL (a)	0/50 (0%)	0/49 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/43.08	0/39.89	0/46.74	0/47.91
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/37 (0%)	0/33 (0%)	0/40 (0%)	0/41 (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. 99037 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 alpha/beta Thujone mixture
 CAS Number: THUJONEMIXAB

Date Report Requested: 09/09/2010
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 First Dose M/F: 06/30/03 / 06/30/03
 Lab: SRI

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

DOSE	Females			
	0 MG/KG	3 MG/KG	6 MG/KG	12 MG/KG
Spleen				
Hematopoietic Cell Proliferation				
LESION RATES				
OVERALL (a)	33/50 (66%)	39/49 (80%)	36/48 (75%)	37/50 (74%)
POLY-3 RATE (b)	33/46.27	39/46.00	36/47.55	37/48.54
POLY-3 PERCENT (g)	71.3%	84.8%	75.7%	76.2%
TERMINAL (d)	26/37 (70%)	26/33 (79%)	30/40 (75%)	32/41 (78%)
FIRST INCIDENCE	246	4	483	647
STATISTICAL TESTS				
POLY 3	P=0.509	P=0.092	P=0.401	P=0.377
POLY 1.5	P=0.515	P=0.074	P=0.371	P=0.373
POLY 6	P=0.479	P=0.110	P=0.416	P=0.360
COCH-ARM / FISHERS	P=0.329	P=0.098	P=0.226	P=0.257
MAX-ISO-POLY-3	P=0.317	P=0.057	P=0.318	P=0.295

TDMS No. 99037 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 alpha/beta Thujone mixture
 CAS Number: THUJONEMIXAB

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 Lab: SRI

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

DOSE	Females			
	0 MG/KG	3 MG/KG	6 MG/KG	12 MG/KG
Spleen: Lymphoid Follicle Atrophy				
LESION RATES				
OVERALL (a)	0/50 (0%)	0/49 (0%)	0/48 (0%)	1/50 (2%)
POLY-3 RATE (b)	0/43.08	0/39.89	0/45.39	1/48.50
POLY-3 PERCENT (g)	0%	0%	0%	2.1%
TERMINAL (d)	0/37 (0%)	0/33 (0%)	0/40 (0%)	0/41 (0%)
FIRST INCIDENCE	---	---	---	543
STATISTICAL TESTS				
POLY 3	P=0.222	(e)	(e)	P=0.524
POLY 1.5	P=0.219	(e)	(e)	P=0.519
POLY 6	P=0.225	(e)	(e)	P=0.526
COCH-ARM / FISHERS	P=0.200	(e)	(e)	P=0.500
MAX-ISO-POLY-3	P=0.169	(e)	(e)	P=0.187

TDMS No. 99037 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 alpha/beta Thujone mixture
 CAS Number: THUJONEMIXAB

Date Report Requested: 09/09/2010
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 First Dose M/F: 06/30/03 / 06/30/03
 Lab: SRI

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

DOSE	Females			
	0 MG/KG	3 MG/KG	6 MG/KG	12 MG/KG
Spleen: Lymphoid Follicle Hyperplasia				
LESION RATES				
OVERALL (a)	12/50 (24%)	14/49 (29%)	12/48 (25%)	17/50 (34%)
POLY-3 RATE (b)	12/44.00	14/41.39	12/45.39	17/47.91
POLY-3 PERCENT (g)	27.3%	33.8%	26.4%	35.5%
TERMINAL (d)	11/37 (30%)	10/33 (30%)	12/40 (30%)	17/41 (42%)
FIRST INCIDENCE	320	3	729 (T)	729 (T)
STATISTICAL TESTS				
POLY 3	P=0.277	P=0.337	P=0.559N	P=0.267
POLY 1.5	P=0.265	P=0.332	P=0.567N	P=0.256
POLY 6	P=0.282	P=0.337	P=0.560N	P=0.272
COCH-ARM / FISHERS	P=0.177	P=0.387	P=0.547	P=0.189
MAX-ISO-POLY-3	P=0.333	P=0.261	P=0.464N	P=0.209

TDMS No. 99037 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 alpha/beta Thujone mixture
 CAS Number: THUJONEMIXAB

Date Report Requested: 09/09/2010
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 Lab: SRI

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

DOSE	Females			
	0 MG/KG	3 MG/KG	6 MG/KG	12 MG/KG
Stomach, Forestomach Inflammation Chronic				
LESION RATES				
OVERALL (a)	0/50 (0%)	0/49 (0%)	1/48 (2%)	0/50 (0%)
POLY-3 RATE (b)	0/43.08	0/39.89	1/45.50	0/47.91
POLY-3 PERCENT (g)	0%	0%	2.2%	0%
TERMINAL (d)	0/37 (0%)	0/33 (0%)	0/39 (0%)	0/41 (0%)
FIRST INCIDENCE	---	---	617	---
STATISTICAL TESTS				
POLY 3	P=0.739	(e)	P=0.511	(e)
POLY 1.5	P=0.733	(e)	P=0.508	(e)
POLY 6	P=0.743	(e)	P=0.512	(e)
COCH-ARM / FISHERS	P=0.694	(e)	P=0.490	(e)
MAX-ISO-POLY-3	P=0.417	(e)	P=0.174	(e)

TDMS No. 99037 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 alpha/beta Thujone mixture
 CAS Number: THUJONEMIXAB

Date Report Requested: 09/09/2010
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 First Dose M/F: 06/30/03 / 06/30/03
 Lab: SRI

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

DOSE	Females			
	0 MG/KG	3 MG/KG	6 MG/KG	12 MG/KG
Stomach, Forestomach: Epithelium Hyperplasia				
LESION RATES				
OVERALL (a)	0/50 (0%)	0/49 (0%)	1/48 (2%)	2/50 (4%)
POLY-3 RATE (b)	0/43.08	0/39.89	1/45.50	2/48.28
POLY-3 PERCENT (g)	0%	0%	2.2%	4.1%
TERMINAL (d)	0/37 (0%)	0/33 (0%)	0/39 (0%)	0/41 (0%)
FIRST INCIDENCE	---	---	617	668
STATISTICAL TESTS				
POLY 3	P=0.090	(e)	P=0.511	P=0.264
POLY 1.5	P=0.087	(e)	P=0.508	P=0.259
POLY 6	P=0.093	(e)	P=0.512	P=0.267
COCH-ARM / FISHERS	P=0.072	(e)	P=0.490	P=0.247
MAX-ISO-POLY-3	P=0.114	(e)	P=0.174	P=0.101

TDMS No. 99037 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 alpha/beta Thujone mixture
 CAS Number: THUJONEMIXAB

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 First Dose M/F: 06/30/03 / 06/30/03
 Lab: SRI

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

DOSE	Females			
	0 MG/KG	3 MG/KG	6 MG/KG	12 MG/KG
Stomach, Glandular Cyst				
LESION RATES				
OVERALL (a)	2/48 (4%)	1/49 (2%)	2/47 (4%)	2/48 (4%)
POLY-3 RATE (b)	2/42.10	1/39.89	2/44.82	2/46.06
POLY-3 PERCENT (g)	4.8%	2.5%	4.5%	4.3%
TERMINAL (d)	2/37 (5%)	1/33 (3%)	2/39 (5%)	2/41 (5%)
FIRST INCIDENCE	729 (T)	729 (T)	729 (T)	729 (T)
STATISTICAL TESTS				
POLY 3	P=0.579	P=0.519N	P=0.671N	P=0.661N
POLY 1.5	P=0.572	P=0.519N	P=0.675N	P=0.667N
POLY 6	P=0.585	P=0.522N	P=0.671N	P=0.658N
COCH-ARM / FISHERS	P=0.522	P=0.492N	P=0.684	P=0.692N
MAX-ISO-POLY-3	P=0.645N	P=0.302N	P=0.474N	P=0.464N

TDMS No. 99037 - 06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
alpha/beta Thujone mixture
CAS Number: THUJONEMIXAB

Date Report Requested: 09/09/2010
Time Report Requested: 12:54:20
First Dose M/F: 06/30/03 / 06/30/03
Lab: SRI

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

DOSE	Females			
	0 MG/KG	3 MG/KG	6 MG/KG	12 MG/KG
Stomach, Glandular Erosion				
LESION RATES				
OVERALL (a)	0/48 (0%)	0/49 (0%)	0/47 (0%)	0/48 (0%)
POLY-3 RATE (b)	0/42.10	0/39.89	0/44.82	0/46.06
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/37 (0%)	0/33 (0%)	0/39 (0%)	0/41 (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. 99037 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

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

DOSE	Females			
	0 MG/KG	3 MG/KG	6 MG/KG	12 MG/KG
Thymus Atrophy				
LESION RATES				
OVERALL (a)	4/46 (9%)	8/45 (18%)	5/46 (11%)	6/48 (13%)
POLY-3 RATE (b)	4/40.50	8/43.19	5/43.49	6/47.39
POLY-3 PERCENT (g)	9.9%	18.5%	11.5%	12.7%
TERMINAL (d)	1/35 (3%)	2/32 (6%)	1/36 (3%)	2/41 (5%)
FIRST INCIDENCE	628	3	646	543
STATISTICAL TESTS				
POLY 3	P=0.541N	P=0.208	P=0.545	P=0.471
POLY 1.5	P=0.555N	P=0.205	P=0.544	P=0.460
POLY 6	P=0.535N	P=0.202	P=0.535	P=0.475
COCH-ARM / FISHERS	P=0.494	P=0.166	P=0.500	P=0.398
MAX-ISO-POLY-3	P=0.467	P=0.139	P=0.407	P=0.351

TDMS No. 99037 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

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

DOSE	Females			
	0 MG/KG	3 MG/KG	6 MG/KG	12 MG/KG
Thymus Cyst				
LESION RATES				
OVERALL (a)	0/46 (0%)	1/45 (2%)	0/46 (0%)	0/48 (0%)
POLY-3 RATE (b)	0/39.80	1/37.56	0/42.74	0/46.48
POLY-3 PERCENT (g)	0%	2.7%	0%	0%
TERMINAL (d)	0/35 (0%)	1/32 (3%)	0/36 (0%)	0/41 (0%)
FIRST INCIDENCE	---	729 (T)	---	---
STATISTICAL TESTS				
POLY 3	P=0.556N	P=0.488	(e)	(e)
POLY 1.5	P=0.557N	P=0.487	(e)	(e)
POLY 6	P=0.557N	P=0.487	(e)	(e)
COCH-ARM / FISHERS	P=0.559N	P=0.495	(e)	(e)
MAX-ISO-POLY-3	P=0.376N	P=0.157	(e)	(e)

TDMS No. 99037 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 alpha/beta Thujone mixture
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Date Report Requested: 09/09/2010
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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/KG	3 MG/KG	6 MG/KG	12 MG/KG
Thymus				
Hyperplasia Lymphoid				
LESION RATES				
OVERALL (a)	6/46 (13%)	1/45 (2%)	2/46 (4%)	4/48 (8%)
POLY-3 RATE (b)	6/40.29	1/37.56	2/42.74	4/46.48
POLY-3 PERCENT (g)	14.9%	2.7%	4.7%	8.6%
TERMINAL (d)	5/35 (14%)	1/32 (3%)	2/36 (6%)	4/41 (10%)
FIRST INCIDENCE	580	729 (T)	729 (T)	729 (T)
STATISTICAL TESTS				
POLY 3	P=0.361N	P=0.066N	P=0.113N	P=0.283N
POLY 1.5	P=0.365N	P=0.067N	P=0.112N	P=0.291N
POLY 6	P=0.356N	P=0.069N	P=0.120N	P=0.283N
COCH-ARM / FISHERS	P=0.415N	P=0.059N	P=0.133N	P=0.343N
MAX-ISO-POLY-3	P=0.094N	P=0.032N*	P=0.062N	P=0.196N

TDMS No. 99037 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 alpha/beta Thujone mixture
 CAS Number: THUJONEMIXAB

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

DOSE	Females			
	0 MG/KG	3 MG/KG	6 MG/KG	12 MG/KG
Thymus				
Inflammation Chronic				
LESION RATES				
OVERALL (a)	0/46 (0%)	3/45 (7%)	0/46 (0%)	0/48 (0%)
POLY-3 RATE (b)	0/39.80	3/40.56	0/42.74	0/46.48
POLY-3 PERCENT (g)	0%	7.4%	0%	0%
TERMINAL (d)	0/35 (0%)	0/32 (0%)	0/36 (0%)	0/41 (0%)
FIRST INCIDENCE	---	3	---	---
STATISTICAL TESTS				
POLY 3	P=0.265N	P=0.121	(e)	(e)
POLY 1.5	P=0.270N	P=0.120	(e)	(e)
POLY 6	P=0.265N	P=0.120	(e)	(e)
COCH-ARM / FISHERS	P=0.301N	P=0.117	(e)	(e)
MAX-ISO-POLY-3	P=0.168N	P=0.041*	(e)	(e)

TDMS No. 99037 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 alpha/beta Thujone mixture
 CAS Number: THUJONEMIXAB

Date Report Requested: 09/09/2010
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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/KG	3 MG/KG	6 MG/KG	12 MG/KG
Thyroid Gland: Follicle Cyst				
LESION RATES				
OVERALL (a)	1/50 (2%)	2/48 (4%)	0/48 (0%)	0/49 (0%)
POLY-3 RATE (b)	1/43.08	2/39.89	0/45.11	0/46.98
POLY-3 PERCENT (g)	2.3%	5%	0%	0%
TERMINAL (d)	1/37 (3%)	2/33 (6%)	0/39 (0%)	0/41 (0%)
FIRST INCIDENCE	729 (T)	729 (T)	---	---
STATISTICAL TESTS				
POLY 3	P=0.178N	P=0.473	P=0.491N	P=0.483N
POLY 1.5	P=0.181N	P=0.472	P=0.493N	P=0.486N
POLY 6	P=0.178N	P=0.470	P=0.491N	P=0.481N
COCH-ARM / FISHERS	P=0.191N	P=0.485	P=0.510N	P=0.505N
MAX-ISO-POLY-3	P=0.162N	P=0.263	P=0.161N	P=0.160N

TDMS No. 99037 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 alpha/beta Thujone mixture
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Date Report Requested: 09/09/2010
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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/KG	3 MG/KG	6 MG/KG	12 MG/KG
Thyroid Gland: Follicle Degeneration Focal				
LESION RATES				
OVERALL (a)	28/50 (56%)	15/48 (31%)	28/48 (58%)	23/49 (47%)
POLY-3 RATE (b)	28/43.59	15/40.12	28/46.13	23/47.17
POLY-3 PERCENT (g)	64.2%	37.4%	60.7%	48.8%
TERMINAL (d)	26/37 (70%)	14/33 (42%)	24/39 (62%)	21/41 (51%)
FIRST INCIDENCE	628	669	609	691
STATISTICAL TESTS				
POLY 3	P=0.244N	P=0.010N**	P=0.449N	P=0.098N
POLY 1.5	P=0.275N	P=0.011N*	P=0.485N	P=0.117N
POLY 6	P=0.224N	P=0.010N**	P=0.436N	P=0.090N
COCH-ARM / FISHERS	P=0.504N	P=0.011N*	P=0.488	P=0.242N
MAX-ISO-POLY-3	P=0.114N	P=0.007N**	P=0.367N	P=0.074N

TDMS No. 99037 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 alpha/beta Thujone mixture
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Date Report Requested: 09/09/2010
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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/KG	3 MG/KG	6 MG/KG	12 MG/KG
Thyroid Gland: Follicular Cell Hyperplasia				
LESION RATES				
OVERALL (a)	0/50 (0%)	0/48 (0%)	0/48 (0%)	3/49 (6%)
POLY-3 RATE (b)	0/43.08	0/39.89	0/45.11	3/46.98
POLY-3 PERCENT (g)	0%	0%	0%	6.4%
TERMINAL (d)	0/37 (0%)	0/33 (0%)	0/39 (0%)	3/41 (7%)
FIRST INCIDENCE	---	---	---	729 (T)
STATISTICAL TESTS				
POLY 3	P=0.013*	(e)	(e)	P=0.135
POLY 1.5	P=0.013*	(e)	(e)	P=0.132
POLY 6	P=0.014*	(e)	(e)	P=0.137
COCH-ARM / FISHERS	P=0.012*	(e)	(e)	P=0.117
MAX-ISO-POLY-3	P=0.018*	(e)	(e)	P=0.053

TDMS No. 99037 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

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

DOSE	Females			
	0 MG/KG	3 MG/KG	6 MG/KG	12 MG/KG
Urinary Bladder				
Infiltration Cellular Lymphocyte				
LESION RATES				
OVERALL (a)	2/50 (4%)	1/49 (2%)	2/49 (4%)	4/50 (8%)
POLY-3 RATE (b)	2/43.08	1/39.89	2/46.11	4/47.91
POLY-3 PERCENT (g)	4.6%	2.5%	4.3%	8.4%
TERMINAL (d)	2/37 (5%)	1/33 (3%)	2/40 (5%)	4/41 (10%)
FIRST INCIDENCE	729 (T)	729 (T)	729 (T)	729 (T)
STATISTICAL TESTS				
POLY 3	P=0.209	P=0.527N	P=0.669N	P=0.388
POLY 1.5	P=0.204	P=0.528N	P=0.673N	P=0.379
POLY 6	P=0.213	P=0.530N	P=0.670N	P=0.391
COCH-ARM / FISHERS	P=0.166	P=0.508N	P=0.684	P=0.339
MAX-ISO-POLY-3	P=0.265	P=0.308N	P=0.472N	P=0.252

TDMS No. 99037 - 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	3 MG/KG	6 MG/KG	12 MG/KG
Uterus				
Angiectasis				
LESION RATES				
OVERALL (a)	1/50 (2%)	1/49 (2%)	2/50 (4%)	4/50 (8%)
POLY-3 RATE (b)	1/43.08	1/40.09	2/46.86	4/48.13
POLY-3 PERCENT (g)	2.3%	2.5%	4.3%	8.3%
TERMINAL (d)	1/37 (3%)	0/33 (0%)	1/40 (3%)	2/41 (5%)
FIRST INCIDENCE	729 (T)	677	698	691
STATISTICAL TESTS				
POLY 3	P=0.098	P=0.745	P=0.529	P=0.215
POLY 1.5	P=0.094	P=0.743	P=0.526	P=0.208
POLY 6	P=0.101	P=0.744	P=0.528	P=0.219
COCH-ARM / FISHERS	P=0.073	P=0.747	P=0.500	P=0.181
MAX-ISO-POLY-3	P=0.150	P=0.479	P=0.313	P=0.118

TDMS No. 99037 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

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

DOSE	Females			
	0 MG/KG	3 MG/KG	6 MG/KG	12 MG/KG
Uterus: Endometrium Hyperplasia Cystic				
LESION RATES				
OVERALL (a)	39/50 (78%)	26/49 (53%)	34/50 (68%)	35/50 (70%)
POLY-3 RATE (b)	39/45.92	26/40.67	34/48.21	35/48.86
POLY-3 PERCENT (g)	84.9%	63.9%	70.5%	71.6%
TERMINAL (d)	33/37 (89%)	23/33 (70%)	29/40 (73%)	31/41 (76%)
FIRST INCIDENCE	296	585	609	579
STATISTICAL TESTS				
POLY 3	P=0.186N	P=0.017N*	P=0.069N	P=0.088N
POLY 1.5	P=0.214N	P=0.018N*	P=0.078N	P=0.105N
POLY 6	P=0.163N	P=0.019N*	P=0.067N	P=0.078N
COCH-ARM / FISHERS	P=0.500N	P=0.008N**	P=0.184N	P=0.247N
MAX-ISO-POLY-3	P=0.059N	P=0.012N*	P=0.045N*	P=0.059N

TDMS No. 99037 - 06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
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LEGEND

- (a) Number of tumor-bearing animals/number of animals examined at site.
(b) Number of tumor-bearing animals/Poly-3 number
(d) Observed incidence at terminal kill.
(e) Value of Statistic cannot be computed.
(f) Beneath the control incidence are the P-values associated with the trend test. Beneath the dosed group incidence are the P-values corresponding to pairwise comparisons between the controls and that dosed group.
(g) Poly-3 adjusted lifetime tumor incidence.
(I) Interim sacrifice
(T) Terminal sacrifice
Tumor rates based on numbers of animals necropsied.
* To the right of any statistical result, indicates significance at ($P \leq 0.05$).
** To the right of any statistical result, indicates significance at ($P \leq 0.01$).
N Indicates a negative trend for all tests
The Cochran-Armitage and Fishers exact tests compare directly the overall incidence rates.

*** END OF REPORT ***