

**Experiment Number:** 99037 - 04

**Test Type:** 90-DAY

**Route:** GAVAGE

**Species/Strain:** MICE/B6C3F1

**P04: NEOPLASMS BY INDIVIDUAL ANIMAL**

alpha/beta Thujone mixture

**CAS Number:** 76231-76-0

**Date Report Requested:** 09/20/2016

**Time Report Requested:** 15:14:27

**First Dose M/F:** 08/14/02 / 08/15/02

**Lab:** SRI

**NTP Study Number:** C99037B

**Lock Date:** 04/04/2003

**Cage Range:** ALL

**Date Range:** ALL

**Reasons For Removal:** ALL

**Removal Date Range:** ALL

**Treatment Groups:** Include ALL

**Study Gender:** Both

**TDMSE Version:** 3.0.2.3\_002

**PWG Approval Date:** NONE

Experiment Number: 99037 - 04

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Species/Strain: MICE/B6C3F1

## P04: NEOPLASMS BY INDIVIDUAL ANIMAL

alpha/beta Thujone mixture

CAS Number: 76231-76-0

Date Report Requested: 09/20/2016

Time Report Requested: 15:14:27

First Dose M/F: 08/14/02 / 08/15/02

Lab: SRI

B6C3F1 MICE MALE	0 MG/KG	DAY ON TEST	0	0	0	0	0	0	0	0	0	0
			0	0	0	0	0	0	0	0	0	0
ANIMAL ID		9	9	9	9	9	9	9	9	9	9	9
		3	3	3	3	3	3	3	3	3	3	3
		0	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	0	0	0	1
		1	2	3	4	5	6	7	8	9	0	
												* TOTALS

## ALIMENTARY SYSTEM

Esophagus	+	+	+	+	+	+	+	+	+	+	+	10
Gallbladder	+	+	+	+	+	+	+	+	+	+	+	10
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	+	10
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	+	10
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	+	10
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	+	10
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	+	+	10
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	+	+	10
Liver	+	+	+	+	+	+	+	+	+	+	+	10
Pancreas	+	+	+	+	+	+	+	+	+	+	+	10
Salivary Glands	+	+	+	+	+	+	+	+	+	+	+	10
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	+	10
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	+	10

## CARDIOVASCULAR SYSTEM

Heart	+	+	+	+	+	+	+	+	+	+	+	10
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\* .. Total animals with tissue examined microscopically; Total animals with tumor

+ .. Tissue examined microscopically

X .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

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Species/Strain: MICE/B6C3F1

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First Dose M/F: 08/14/02 / 08/15/02

Lab: SRI

B6C3F1 MICE MALE 0 MG/KG	DAY ON TEST	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	0	0	0
B6C3F1 MICE MALE 0 MG/KG	ANIMAL ID	9	9	9	9	9	9	9	9	9	9
		3	3	3	3	3	3	3	3	3	3
B6C3F1 MICE MALE 0 MG/KG	ANIMAL ID	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	0	0	0
B6C3F1 MICE MALE 0 MG/KG	ANIMAL ID	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	0	0	1
B6C3F1 MICE MALE 0 MG/KG	ANIMAL ID	1	2	3	4	5	6	7	8	9	0
		* TOTALS									

## ENDOCRINE SYSTEM

Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	+	10
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	+	10
Parathyroid Gland	+	+	+	+	+	+	+	+	+	+	+	10
Pituitary Gland	+	+	+	+	+	+	+	+	+	+	+	10
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	+	10

## GENERAL BODY SYSTEM

NONE

## GENITAL SYSTEM

Epididymis	+	+	+	+	+	+	+	+	+	+	+	10
Preputial Gland	+	+	+	+	+	+	+	+	+	+	+	10
Prostate	+	+	+	+	+	+	+	+	+	+	+	10
Seminal Vesicle	+	+	+	+	+	+	+	+	+	+	+	10
Testes	+	+	+	+	+	+	+	+	+	+	+	10

## HEMATOPOIETIC SYSTEM

Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	10
-------------	---	---	---	---	---	---	---	---	---	---	---	----

\* .. Total animals with tissue examined microscopically; Total animals with tumor

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Time Report Requested: 15:14:27

First Dose M/F: 08/14/02 / 08/15/02

Lab: SRI

B6C3F1 MICE MALE	DAY ON TEST											
		0 0 9 3										
0 MG/KG	ANIMAL ID	0 0 0 0 0 1	0 0 0 0 0 2	0 0 0 0 0 3	0 0 0 0 0 4	0 0 0 0 0 5	0 0 0 0 0 6	0 0 0 0 0 7	0 0 0 0 0 8	0 0 0 0 0 9	0 0 0 0 0 0	
		* TOTALS										
Lymph Node, Mandibular		+ + + + + + + + + +										10
Lymph Node, Mesenteric		+ + + + + + + M + +										9
Spleen		+ + + + + + + + + +										10
Thymus		+ + + + + + + + + +										10
<b>INTEGUMENTARY SYSTEM</b>												
Mammary Gland		M M M M M M M M M M										0
Skin		+ + + + + + + + + +										10
<b>MUSCULOSKELETAL SYSTEM</b>												
Bone		+ + + + + + + + + +										10
Skeletal Muscle		+ + + + + + + + + +										10
<b>NERVOUS SYSTEM</b>												
Brain		+ + + + + + + + + +										10
Peripheral Nerve		+ + + + + + + + + +										10
Spinal Cord		+ + + + + + + + + +										10
<b>RESPIRATORY SYSTEM</b>												
Lung		+ + + + + + + + + +										10

\* .. Total animals with tissue examined microscopically; Total animals with tumor

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Time Report Requested: 15:14:27

First Dose M/F: 08/14/02 / 08/15/02

Lab: SRI

		DAY ON TEST	0	0	0	0	0	0	0	0	0	0	
		ANIMAL ID	0	0	0	0	0	0	0	0	0	0	
<b>B6C3F1 MICE MALE</b>			9	9	9	9	9	9	9	9	9	9	
<b>0 MG/KG</b>			3	3	3	3	3	3	3	3	3	3	
			0	0	0	0	0	0	0	0	0	0	* TOTALS
Nose			0	0	0	0	0	0	0	0	0	0	10
Trachea			0	0	0	0	0	0	0	0	0	0	10
<b>SPECIAL SENSES SYSTEM</b>													
Eye			0	0	0	0	0	0	0	0	0	0	10
Harderian Gland			0	0	0	0	0	0	0	0	0	0	10
<b>URINARY SYSTEM</b>													
Kidney			0	0	0	0	0	0	0	0	0	0	10
Urinary Bladder			0	0	0	0	0	0	0	0	0	0	10
<b>SYSTEMIC LESIONS</b>													
Multiple Organ			0	0	0	0	0	0	0	0	0	0	10

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First Dose M/F: 08/14/02 / 08/15/02

Lab: SRI

		DAY ON TEST									
		0	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	0	0	0
		9	9	9	9	9	9	9	9	9	9
		3	3	3	3	3	3	3	3	3	3
		0	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	0	0	0
		1	1	1	1	1	1	1	1	1	2
		1	2	3	4	5	6	7	8	9	0

\* TOTALS

### ALIMENTARY SYSTEM

NONE

### CARDIOVASCULAR SYSTEM

NONE

### ENDOCRINE SYSTEM

Adrenal Cortex

+ + + + + + + + + +

10

Adrenal Medulla

+ + + + + + + + + +

10

### GENERAL BODY SYSTEM

NONE

### GENITAL SYSTEM

NONE

### HEMATOPOIETIC SYSTEM

NONE

### INTEGUMENTARY SYSTEM

NONE

### MUSCULOSKELETAL SYSTEM

\* .. Total animals with tissue examined microscopically; Total animals with tumor

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First Dose M/F: 08/14/02 / 08/15/02

Lab: SRI

		DAY ON TEST									
		0	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	0	0	0
		9	9	9	9	9	9	9	9	9	9
		3	3	3	3	3	3	3	3	3	3
		0	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	0	0	0
		2	2	2	2	2	2	2	2	2	3
		1	2	3	4	5	6	7	8	9	0

\* TOTALS

### ALIMENTARY SYSTEM

NONE

### CARDIOVASCULAR SYSTEM

NONE

### ENDOCRINE SYSTEM

Adrenal Cortex

+ + + + + + + + + +

10

Adrenal Medulla

+ + + + + + + + + +

10

### GENERAL BODY SYSTEM

NONE

### GENITAL SYSTEM

NONE

### HEMATOPOIETIC SYSTEM

NONE

### INTEGUMENTARY SYSTEM

NONE

### MUSCULOSKELETAL SYSTEM

\* .. Total animals with tissue examined microscopically; Total animals with tumor

+ .. Tissue examined microscopically

X .. Lesion present

I .. Insufficient tissue

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Time Report Requested: 15:14:27

First Dose M/F: 08/14/02 / 08/15/02

Lab: SRI

B6C3F1 MICE MALE 25 MG/KG	DAY ON TEST	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	0	0	0
B6C3F1 MICE MALE 25 MG/KG	ANIMAL ID	9	9	9	9	9	9	9	9	9	9
		3	3	3	3	3	3	3	3	3	3
B6C3F1 MICE MALE 25 MG/KG	ANIMAL ID	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	0	0	0
B6C3F1 MICE MALE 25 MG/KG	ANIMAL ID	0	0	0	0	0	0	0	0	0	0
		3	3	3	3	3	3	3	3	3	4
B6C3F1 MICE MALE 25 MG/KG	ANIMAL ID	1	2	3	4	5	6	7	8	9	0

\* TOTALS

## ALIMENTARY SYSTEM

Esophagus	+	+	+	+	+	+	+	+	+	+	+	10
Gallbladder	+	+	+	+	+	+	M	+	+	+	+	9
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	+	10
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	+	10
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	+	10
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	+	10
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	+	+	10
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	+	+	10
Liver	+	+	+	+	+	+	+	+	+	+	+	10
Pancreas	+	+	+	+	+	+	+	+	+	+	+	10
Salivary Glands	+	+	+	+	+	+	+	+	+	+	+	10
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	+	10
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	+	10

## CARDIOVASCULAR SYSTEM

Heart	+	+	+	+	+	+	+	+	+	+	+	10
-------	---	---	---	---	---	---	---	---	---	---	---	----

\* .. Total animals with tissue examined microscopically; Total animals with tumor

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X .. Lesion present

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First Dose M/F: 08/14/02 / 08/15/02

Lab: SRI

B6C3F1 MICE MALE	25 MG/KG	DAY ON TEST	0	0	0	0	0	0	0	0	0	0
			0	0	0	0	0	0	0	0	0	0
B6C3F1 MICE MALE	25 MG/KG	ANIMAL ID	9	9	9	9	9	9	9	9	9	9
			3	3	3	3	3	3	3	3	3	3
B6C3F1 MICE MALE	25 MG/KG	ANIMAL ID	0	0	0	0	0	0	0	0	0	0
			0	0	0	0	0	0	0	0	0	0
B6C3F1 MICE MALE	25 MG/KG	ANIMAL ID	0	0	0	0	0	0	0	0	0	0
			3	3	3	3	3	3	3	3	3	4
B6C3F1 MICE MALE	25 MG/KG	ANIMAL ID	1	2	3	4	5	6	7	8	9	0

\* TOTALS

## ENDOCRINE SYSTEM

Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	+	10
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	+	10
Parathyroid Gland	+	+	+	+	+	+	+	+	+	+	+	10
Pituitary Gland	+	+	+	+	+	+	+	+	+	+	+	10
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	+	10

## GENERAL BODY SYSTEM

NONE

## GENITAL SYSTEM

Epididymis	+	+	+	+	+	+	+	+	+	+	+	10
Preputial Gland	+	+	+	+	+	+	+	+	+	+	+	10
Prostate	+	+	+	+	+	+	+	+	+	+	+	10
Seminal Vesicle	+	+	+	+	+	+	+	+	+	+	+	10
Testes	+	+	+	+	+	+	+	+	+	+	+	10

## HEMATOPOIETIC SYSTEM

Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	10
-------------	---	---	---	---	---	---	---	---	---	---	---	----

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Lab: SRI

B6C3F1 MICE MALE	DAY ON TEST	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	0	0	0
25 MG/KG	ANIMAL ID	9	9	9	9	9	9	9	9	9	9
		3	3	3	3	3	3	3	3	3	3
Lymph Node, Mandibular		0	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	0	0	0
Lymph Node, Mesenteric		0	0	0	0	0	0	0	0	0	0
		3	3	3	3	3	3	3	3	3	4
Spleen		1	2	3	4	5	6	7	8	9	0
		* TOTALS									
Lymph Node, Mandibular		+	+	+	+	+	+	+	+	+	10
Lymph Node, Mesenteric		+	+	+	+	+	+	+	+	+	10
Spleen		+	+	+	+	+	+	+	+	+	10
Thymus		+	+	+	+	+	+	+	+	+	10
<b>INTEGUMENTARY SYSTEM</b>											
Mammary Gland		M	M	M	M	M	M	M	M	M	0
Skin		+	+	+	+	+	+	+	+	+	10
<b>MUSCULOSKELETAL SYSTEM</b>											
Bone		+	+	+	+	+	+	+	+	+	10
Skeletal Muscle		+	+		M	M	M	M	M	M	2
<b>NERVOUS SYSTEM</b>											
Brain		+	+	+	+	+	+	+	+	+	10
Peripheral Nerve		+	+	+	+	+	M	M	M	M	5
Spinal Cord		+	+	+	+		M	M	M	M	4
<b>RESPIRATORY SYSTEM</b>											
Lung		+	+	+	+	+	+	+	+	+	10

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Lab: SRI

		DAY ON TEST	0	0	0	0	0	0	0	0	0	0	
		ANIMAL ID	0	0	0	0	0	0	0	0	0	0	
<b>B6C3F1 MICE MALE</b>			9	9	9	9	9	9	9	9	9	9	
<b>25 MG/KG</b>			3	3	3	3	3	3	3	3	3	3	
			0	0	0	0	0	0	0	0	0	0	* TOTALS
Nose			0	0	0	0	0	0	0	0	0	0	10
Trachea			0	0	0	0	0	0	0	0	0	0	10
<b>SPECIAL SENSES SYSTEM</b>													
Eye			0	0	0	0	0	0	0	0	0	0	10
Harderian Gland			0	0	0	0	0	0	0	0	0	0	10
<b>URINARY SYSTEM</b>													
Kidney			0	0	0	0	0	0	0	0	0	0	10
Urinary Bladder			0	0	0	0	0	0	0	0	0	0	10
<b>SYSTEMIC LESIONS</b>													
Multiple Organ			0	0	0	0	0	0	0	0	0	0	10

\* .. Total animals with tissue examined microscopically; Total animals with tumor

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Lab: SRI

B6C3F1 MICE MALE	50 MG/KG	DAY ON TEST													
			0 0 4 2	0 0 6 3	0 0 8 7	0 0 9 3	0 0 5 5	0 0 5 5	0 0 9 0	0 0 7 6	0 0 5 5	0 0 7 6	0 0 7 6	0 0 7 6	
ANIMAL ID													* TOTALS		

## ALIMENTARY SYSTEM

Esophagus	+ + M + + + + + + +	9
Gallbladder	+ + + + + + + + + + +	10
Intestine Large, Cecum	+ + + + + + + + + + +	10
Intestine Large, Colon	+ + + + + + + + + + +	10
Intestine Large, Rectum	+ + + + + + + + + + +	10
Intestine Small, Duodenum	+ + + + + + + + + + +	10
Intestine Small, Ileum	+ + + + + + + + + + +	10
Intestine Small, Jejunum	+ + + + A + + + + + +	9
Liver	+ + + + + + + + + + +	10
Pancreas	+ + + + + + + + + + +	10
Salivary Glands	+ + + + + + + + + + +	10
Stomach, Forestomach	+ + + + + + + + + + +	10
Stomach, Glandular	+ + + + + + + + + + +	10

## CARDIOVASCULAR SYSTEM

Heart	+ + + + + + + + + + +	10
-------	-----------------------	----

\* .. Total animals with tissue examined microscopically; Total animals with tumor

+ .. Tissue examined microscopically

X .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

**Experiment Number:** 99037 - 04

## P04: NEOPLASMS BY INDIVIDUAL ANIMAL

**Date Report Requested:** 09/20/2016

**Test Type:** 90-DAY

## **Route: GAVAGE**

**Species/Strain:** MICE/B6C3F1

## alpha/beta Thujone mixture

CAS Number: 76231-76-0

**Time Report Requested:** 15:14:27

**First Dose M/F:** 08/14/02 / 08/15/02

Lab: SRI

DAY ON TEST	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
ANIMAL ID	4	6	8	9	5	5	9	7	5	7	
	2	3	7	3	5	5	0	6	5	6	
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	4	4	4	4	4	4	4	4	4	5	
	1	2	3	4	5	6	7	8	9	0	

# **ENDOCRINE SYSTEM**

## **GENERAL BODY SYSTEM**

NONE

## **GENITAL SYSTEM**

## **HEMATOPOIETIC SYSTEM**

Bone Marrow + + + + + + + + + + + 10

\* .. Total animals with tissue examined microscopically; Total animals with tumor

+ .. Tissue examined microscopically

X .. Lesion present

#### I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

Experiment Number: 99037 - 04

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: MICE/B6C3F1

## P04: NEOPLASMS BY INDIVIDUAL ANIMAL

alpha/beta Thujone mixture

CAS Number: 76231-76-0

Date Report Requested: 09/20/2016

Time Report Requested: 15:14:27

First Dose M/F: 08/14/02 / 08/15/02

Lab: SRI

B6C3F1 MICE MALE	DAY ON TEST	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	0	0	0
50 MG/KG	ANIMAL ID	4	6	8	9	5	5	9	7	5	7
		2	3	7	3	5	5	0	6	5	6
Lymph Node, Mandibular		0	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	0	0	0
Lymph Node, Mesenteric		0	0	0	0	0	0	0	0	0	0
		4	4	4	4	4	4	4	4	4	5
Spleen		1	2	3	4	5	6	7	8	9	0
		* TOTALS									
Lymph Node, Mandibular		+	+	+	M	+	+	+	+	+	+
Lymph Node, Mesenteric		+	+	+	+	+	+	+	+	+	+
Spleen		+	+	+	+	+	+	+	+	+	+
Thymus		+	+	+	+	+	+	+	+	+	+
<b>INTEGUMENTARY SYSTEM</b>											
Mammary Gland		M	M	M	M	M	M	M	M	M	M
Skin		+	+	+	+	+	+	+	+	+	+
<b>MUSCULOSKELETAL SYSTEM</b>											
Bone		+	+	+	+	+	+	+	+	+	+
Skeletal Muscle		+	+	+	+	+	+	+	+	+	+
<b>NERVOUS SYSTEM</b>											
Brain		+	+	+	+	+	+	+	+	+	+
Peripheral Nerve		+	+	+	+	+	+	+	+	+	+
Spinal Cord		+	+	+	+	+	+	+	+	+	+
<b>RESPIRATORY SYSTEM</b>											
Lung		+	+	+	+	+	+	+	+	+	+

\* .. Total animals with tissue examined microscopically; Total animals with tumor

+ .. Tissue examined microscopically

X .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

Experiment Number: 99037 - 04

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: MICE/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

alpha/beta Thujone mixture

CAS Number: 76231-76-0

Date Report Requested: 09/20/2016

Time Report Requested: 15:14:27

First Dose M/F: 08/14/02 / 08/15/02

Lab: SRI

B6C3F1 MICE MALE	DAY ON TEST													
		0 0 4 2	0 0 6 3	0 0 8 7	0 0 9 3	0 0 5 5	0 0 5 5	0 0 9 0	0 0 7 6	0 0 5 5	0 0 7 6	0 0 7 6	0 0 7 6	
50 MG/KG	ANIMAL ID	0 0 0 0	0 0 0 0	0 0 0 0	0 0 0 0	0 0 0 0	0 0 0 0	0 0 0 0	0 0 0 0	0 0 0 0	0 0 0 0	0 0 0 0	0 0 0 0	
		* TOTALS												
Nose		+ + + + + + + + + +												10
Trachea		+ + + + + + + + + +												10
<b>SPECIAL SENSES SYSTEM</b>														
Eye		+ + + + + + + + + +												10
Harderian Gland		+ + + + + + + + + +												10
<b>URINARY SYSTEM</b>														
Kidney		+ + + + + + + + + +												10
Urinary Bladder		+ + + + + + + + + +												10
<b>SYSTEMIC LESIONS</b>														
Multiple Organ		+ + + + + + + + + +												10

\* .. Total animals with tissue examined microscopically; Total animals with tumor

+ .. Tissue examined microscopically

X .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

Experiment Number: 99037 - 04

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: MICE/B6C3F1

## P04: NEOPLASMS BY INDIVIDUAL ANIMAL

alpha/beta Thujone mixture

CAS Number: 76231-76-0

Date Report Requested: 09/20/2016

Time Report Requested: 15:14:27

First Dose M/F: 08/14/02 / 08/15/02

Lab: SRI

B6C3F1 MICE MALE 75 MG/KG	DAY ON TEST ANIMAL ID	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	0	0	0
		3	4	4	4	5	3	3	4	5	5
		5	2	3	3	9	1	8	8	2	5
		0	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	0	0	0
		5	5	5	5	5	5	5	5	5	6
		1	2	3	4	5	6	7	8	9	0

\* TOTALS

## ALIMENTARY SYSTEM

Esophagus	+	+	+	+	+	+	+	+	+	+	10
Gallbladder	+	+	+	+	+	M	+	+	+	M	8
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	10
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	10
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	10
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	10
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	+	10
Intestine Small, Jejunum	+	+	+	M	+	+	+	+	+	+	9
Liver	+	+	+	+	+	+	+	+	+	+	10
Pancreas	+	+	+	+	+	+	+	+	+	+	10
Salivary Glands	+	+	+	+	+	+	+	+	+	+	10
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	10
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	10

## CARDIOVASCULAR SYSTEM

Heart	+	+	+	+	+	+	+	+	+	+	10
-------	---	---	---	---	---	---	---	---	---	---	----

\* .. Total animals with tissue examined microscopically; Total animals with tumor

+ .. Tissue examined microscopically

X .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

Experiment Number: 99037 - 04

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: MICE/B6C3F1

## P04: NEOPLASMS BY INDIVIDUAL ANIMAL

alpha/beta Thujone mixture

CAS Number: 76231-76-0

Date Report Requested: 09/20/2016

Time Report Requested: 15:14:27

First Dose M/F: 08/14/02 / 08/15/02

Lab: SRI

B6C3F1 MICE MALE 75 MG/KG	DAY ON TEST ANIMAL ID	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	0	0	0
		3	4	4	4	4	5	3	3	4	5
		5	2	3	3	9	1	8	8	2	5
		0	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	0	0	0
		5	5	5	5	5	5	5	5	5	6
		1	2	3	4	5	6	7	8	9	0

\* TOTALS

## ENDOCRINE SYSTEM

Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	10
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	10
Parathyroid Gland	+	+	M	+	+	+	+	+	+	+	9
Pituitary Gland	+	M	+	+	+	+	+	+	+	+	9
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	10

## GENERAL BODY SYSTEM

NONE

## GENITAL SYSTEM

Epididymis	+	+	+	+	+	+	+	+	+	+	10
Preputial Gland	+	+	+	+	+	+	+	+	+	+	10
Prostate	+	+	+	+	+	+	+	+	+	+	10
Seminal Vesicle	+	+	+	+	+	+	+	+	+	+	10
Testes	+	+	+	+	+	+	+	+	+	+	10

## HEMATOPOIETIC SYSTEM

Bone Marrow	+	+	+	+	+	+	+	+	+	+	10
-------------	---	---	---	---	---	---	---	---	---	---	----

\* .. Total animals with tissue examined microscopically; Total animals with tumor

+ .. Tissue examined microscopically

X .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

Experiment Number: 99037 - 04

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: MICE/B6C3F1

## P04: NEOPLASMS BY INDIVIDUAL ANIMAL

alpha/beta Thujone mixture

CAS Number: 76231-76-0

Date Report Requested: 09/20/2016

Time Report Requested: 15:14:27

First Dose M/F: 08/14/02 / 08/15/02

Lab: SRI

B6C3F1 MICE MALE	75 MG/KG	DAY ON TEST													* TOTALS
			0 0 3 5	0 0 4 2	0 0 4 3	0 0 4 9	0 0 5 1	0 0 5 8	0 0 3 8	0 0 3 8	0 0 4 2	0 0 5 5	0 0 0 0		
ANIMAL ID			0 0 0 5 1	0 0 0 5 2	0 0 0 3 3	0 0 0 4 4	0 0 0 5 5	0 0 0 5 6	0 0 0 7	0 0 0 8	0 0 0 9	0 0 0 0			
Lymph Node, Mandibular			+	+	+	+	+	+	+	+	+	+	+	10	
Lymph Node, Mesenteric			+	+	+	+	+	+	+	+	+	+	M	9	
Spleen			+	+	+	+	+	+	+	+	+	+	+	10	
Thymus			+	+	+	+	+	+	+	+	+	+	+	10	
<b>INTEGUMENTARY SYSTEM</b>															
Mammary Gland			M	M	M	M	M	M	M	M	M	M	M	0	
Skin			+	+	+	+	+	+	+	+	+	+	+	10	
<b>MUSCULOSKELETAL SYSTEM</b>															
Bone			+	+	+	+	+	+	+	+	+	+	+	10	
Skeletal Muscle			+	+	+	+	+	+	+	+	+	+	+	10	
<b>NERVOUS SYSTEM</b>															
Brain			+	+	+	+	+	+	+	+	+	+	+	10	
Peripheral Nerve			+	+	+	+	+	+	+	+	+	+	+	10	
Spinal Cord			+	+	+	+	+	+	+	+	+	+	+	10	
<b>RESPIRATORY SYSTEM</b>															
Lung			+	+	+	+	+	+	+	+	+	+	+	10	

\* .. Total animals with tissue examined microscopically; Total animals with tumor

+ .. Tissue examined microscopically

X .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

Experiment Number: 99037 - 04

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: MICE/B6C3F1

## P04: NEOPLASMS BY INDIVIDUAL ANIMAL

alpha/beta Thujone mixture

CAS Number: 76231-76-0

Date Report Requested: 09/20/2016

Time Report Requested: 15:14:27

First Dose M/F: 08/14/02 / 08/15/02

Lab: SRI

B6C3F1 MICE MALE 75 MG/KG	DAY ON TEST ANIMAL ID													* TOTALS
		0 0 3 5	0 0 4 2	0 0 4 3	0 0 4 9	0 0 5 1	0 0 3 8	0 0 3 8	0 0 4 2	0 0 5 5	0 0 0 0	0 0 0 0	0 0 0 0	
Nose		+	+	+	+	+	+	+	+	+	+	+	+	10
Trachea		+	+	+	+	+	+	+	+	+	+	+	+	10
<b>SPECIAL SENSES SYSTEM</b>														
Eye		+	+	+	+	+	+	+	+	+	+	+	+	10
Harderian Gland		+	+	+	+	+	+	+	+	+	+	+	+	10
<b>URINARY SYSTEM</b>														
Kidney		+	+	+	+	+	+	+	+	+	+	+	+	10
Urinary Bladder		+	+	+	+	+	+	+	+	+	+	+	+	10
<b>SYSTEMIC LESIONS</b>														
Multiple Organ		+	+	+	+	+	+	+	+	+	+	+	+	10

\*\*\* END OF MALE DATA \*\*\*

\* .. Total animals with tissue examined microscopically; Total animals with tumor

+ .. Tissue examined microscopically

X .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

Experiment Number: 99037 - 04

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: MICE/B6C3F1

## P04: NEOPLASMS BY INDIVIDUAL ANIMAL

alpha/beta Thujone mixture

CAS Number: 76231-76-0

Date Report Requested: 09/20/2016

Time Report Requested: 15:14:27

First Dose M/F: 08/14/02 / 08/15/02

Lab: SRI

B6C3F1 MICE FEMALE 0 MG/KG	DAY ON TEST	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	0	0	0
B6C3F1 MICE FEMALE 0 MG/KG	ANIMAL ID	9	9	9	9	9	9	9	9	9	9
		3	3	3	3	3	3	3	3	3	3
B6C3F1 MICE FEMALE 0 MG/KG	ANIMAL ID	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	0	0	0
B6C3F1 MICE FEMALE 0 MG/KG	ANIMAL ID	0	0	0	0	0	0	0	0	0	0
		6	6	6	6	6	6	6	6	6	7
B6C3F1 MICE FEMALE 0 MG/KG	ANIMAL ID	1	2	3	4	5	6	7	8	9	0

\* TOTALS

## ALIMENTARY SYSTEM

Esophagus	+	+	+	+	+	+	+	+	+	+	+	10
Gallbladder	+	+	+	+	+	+	+	+	+	+	+	10
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	+	10
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	+	10
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	+	10
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	+	10
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	+	+	10
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	+	+	10
Liver	+	+	+	+	+	+	+	+	+	+	+	10
Pancreas	+	+	+	+	+	+	+	+	+	+	+	10
Salivary Glands	+	+	+	+	+	+	+	+	+	+	+	10
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	+	10
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	+	10

## CARDIOVASCULAR SYSTEM

Heart	+	+	+	+	+	+	+	+	+	+	+	10
-------	---	---	---	---	---	---	---	---	---	---	---	----

\* .. Total animals with tissue examined microscopically; Total animals with tumor

+ .. Tissue examined microscopically

X .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

Experiment Number: 99037 - 04

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: MICE/B6C3F1

## P04: NEOPLASMS BY INDIVIDUAL ANIMAL

alpha/beta Thujone mixture

CAS Number: 76231-76-0

Date Report Requested: 09/20/2016

Time Report Requested: 15:14:27

First Dose M/F: 08/14/02 / 08/15/02

Lab: SRI

B6C3F1 MICE FEMALE 0 MG/KG	DAY ON TEST	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	0	0	0
ANIMAL ID		9	9	9	9	9	9	9	9	9	9
		3	3	3	3	3	3	3	3	3	3
		0	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	0	0	0
		6	6	6	6	6	6	6	6	6	7
		1	2	3	4	5	6	7	8	9	0

\* TOTALS

## ENDOCRINE SYSTEM

Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	10
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	10
Parathyroid Gland	+	+	+	+	+	+	+	+	+	+	10
Pituitary Gland	+	+	+	+	+	+	+	+	+	+	10
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	10

## GENERAL BODY SYSTEM

NONE

## GENITAL SYSTEM

Clitoral Gland	+	+	+	+	+	+	+	+	+	M	9
Ovary	+	+	+	+	+	+	+	+	+	+	10
Uterus	+	+	+	+	+	+	+	+	+	+	10
Vagina	+	+	+	+	+	+	+	+	+	+	10

## HEMATOPOIETIC SYSTEM

Bone Marrow	+	+	+	+	+	+	+	+	+	+	10
Lymph Node, Mandibular	+	+	+	+	+	+	+	+	+	M	9

\* .. Total animals with tissue examined microscopically; Total animals with tumor

+ .. Tissue examined microscopically

X .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

Experiment Number: 99037 - 04

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: MICE/B6C3F1

## P04: NEOPLASMS BY INDIVIDUAL ANIMAL

alpha/beta Thujone mixture

CAS Number: 76231-76-0

Date Report Requested: 09/20/2016

Time Report Requested: 15:14:27

First Dose M/F: 08/14/02 / 08/15/02

Lab: SRI

B6C3F1 MICE FEMALE	0 MG/KG	DAY ON TEST											* TOTALS
			0 0 9 3										
Lymph Node, Mesenteric			+	+	+	+	+	+	+	+	+	+	10
Spleen			+	+	+	+	+	+	+	+	+	+	10
Thymus			+	+	+	+	+	+	+	+	+	+	10
<b>INTEGUMENTARY SYSTEM</b>													
Mammary Gland			+	+	+	+	+	+	+	+	+	+	10
Skin			+	+	+	+	+	+	+	+	+	+	10
<b>MUSCULOSKELETAL SYSTEM</b>													
Bone			+	+	+	+	+	+	+	+	+	+	10
Skeletal Muscle			+	+	+	+	+	+	+	+	+	+	10
<b>NERVOUS SYSTEM</b>													
Brain			+	+	+	+	+	+	+	+	+	+	10
Peripheral Nerve			+	+	+	+	+	+	+	+	+	+	10
Spinal Cord			+	+	+	+	+	+	+	+	+	+	10
<b>RESPIRATORY SYSTEM</b>													
Lung			+	+	+	+	+	+	+	+	+	+	10
Nose			+	+	+	+	+	+	+	+	+	+	10

\* .. Total animals with tissue examined microscopically; Total animals with tumor

+ .. Tissue examined microscopically

X .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

**Experiment Number:** 99037 - 04

**Test Type:** 90-DAY

## **Route: GAVAGE**

**Species/Strain:** MICE/B6C3F1

## P04: NEOPLASMS BY INDIVIDUAL ANIMAL

## alpha/beta Thujone mixture

**CAS Number:** 76231-76-0

**Date Report Requested:** 09/20/2016

**Time Report Requested:** 15:14:27

**First Dose M/F:** 08/14/02 / 08/15/02

Lab: SRI

\* .. Total animals with tissue examined microscopically; Total animals with tumor

+ .. Tissue examined microscopically

X .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

Experiment Number: 99037 - 04

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: MICE/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

alpha/beta Thujone mixture

CAS Number: 76231-76-0

Date Report Requested: 09/20/2016

Time Report Requested: 15:14:27

First Dose M/F: 08/14/02 / 08/15/02

Lab: SRI

		DAY ON TEST									
		0	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	0	0	0
		9	9	9	9	9	9	9	9	9	9
		3	3	3	3	3	3	3	3	3	3
		0	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	0	0	0
		7	7	7	7	7	7	7	7	7	8
		1	2	3	4	5	6	7	8	9	0

\* TOTALS

## ALIMENTARY SYSTEM

NONE

## CARDIOVASCULAR SYSTEM

NONE

## ENDOCRINE SYSTEM

Adrenal Cortex

++ + + + + + + + +

10

## GENERAL BODY SYSTEM

NONE

## GENITAL SYSTEM

Ovary

++ + + + + + + + +

10

Uterus

++ + + + + + + + +

10

Vagina

++ + + + + + + + +

10

## HEMATOPOIETIC SYSTEM

Spleen

+

1

## INTEGUMENTARY SYSTEM

NONE

\* .. Total animals with tissue examined microscopically; Total animals with tumor

+ .. Tissue examined microscopically

X .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

Experiment Number: 99037 - 04

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: MICE/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

alpha/beta Thujone mixture

CAS Number: 76231-76-0

Date Report Requested: 09/20/2016

Time Report Requested: 15:14:27

First Dose M/F: 08/14/02 / 08/15/02

Lab: SRI

		DAY ON TEST									
		0	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	0	0	0
		9	9	9	9	9	9	9	9	9	9
		3	3	3	3	3	3	3	3	3	3
		0	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	0	0	0
		7	7	7	7	7	7	7	7	7	8
		1	2	3	4	5	6	7	8	9	0

\* TOTALS

### MUSCULOSKELETAL SYSTEM

Skeletal Muscle	M	M	M	M	M	M	M	M	M	M	M	0
-----------------	---	---	---	---	---	---	---	---	---	---	---	---

### NERVOUS SYSTEM

Brain	+	+	+	+	+	+	+	+	+	+	+	10
-------	---	---	---	---	---	---	---	---	---	---	---	----

Peripheral Nerve	M	M	M	M	M	M	M	M	M	M	M	0
------------------	---	---	---	---	---	---	---	---	---	---	---	---

Spinal Cord	M	M	M	M	M	M	M	M	M	M	M	0
-------------	---	---	---	---	---	---	---	---	---	---	---	---

### RESPIRATORY SYSTEM

NONE

### SPECIAL SENSES SYSTEM

NONE

### URINARY SYSTEM

NONE

### SYSTEMIC LESIONS

Multiple Organ	+	+	+	+	+	+	+	+	+	+	+	10
----------------	---	---	---	---	---	---	---	---	---	---	---	----

\* .. Total animals with tissue examined microscopically; Total animals with tumor

+ .. Tissue examined microscopically

X .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

Experiment Number: 99037 - 04

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: MICE/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

alpha/beta Thujone mixture

CAS Number: 76231-76-0

Date Report Requested: 09/20/2016

Time Report Requested: 15:14:27

First Dose M/F: 08/14/02 / 08/15/02

Lab: SRI

		DAY ON TEST									
		0	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	0	0	0
		9	9	9	9	9	9	9	9	9	9
		3	3	3	3	3	3	3	3	3	3
		0	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	0	0	0
		8	8	8	8	8	8	8	8	8	9
		1	2	3	4	5	6	7	8	9	0

\* TOTALS

### ALIMENTARY SYSTEM

NONE

### CARDIOVASCULAR SYSTEM

NONE

### ENDOCRINE SYSTEM

Adrenal Cortex

+ + + + + + + + + +

10

### GENERAL BODY SYSTEM

NONE

### GENITAL SYSTEM

Ovary

+ + + + + + + + + +

10

Uterus

+ + + + + + + + + +

10

Vagina

+ + + + + + + + + +

10

### HEMATOPOIETIC SYSTEM

NONE

### INTEGUMENTARY SYSTEM

NONE

\* .. Total animals with tissue examined microscopically; Total animals with tumor

+ .. Tissue examined microscopically

X .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

Experiment Number: 99037 - 04

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: MICE/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

alpha/beta Thujone mixture

CAS Number: 76231-76-0

Date Report Requested: 09/20/2016

Time Report Requested: 15:14:27

First Dose M/F: 08/14/02 / 08/15/02

Lab: SRI

		DAY ON TEST									
		0	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	0	0	0
		9	9	9	9	9	9	9	9	9	9
		3	3	3	3	3	3	3	3	3	3
		0	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	0	0	0
		8	8	8	8	8	8	8	8	8	9
		1	2	3	4	5	6	7	8	9	0

\* TOTALS

### MUSCULOSKELETAL SYSTEM

Skeletal Muscle	M   M   M   M   M   M   M   M   M   M	0
-----------------	---------------------------------------	---

### NERVOUS SYSTEM

Brain	+   +   +   +   +   +   +   +   +   +	10
-------	---------------------------------------	----

Peripheral Nerve	M   M   M   M   M   M   M   M   M   M	0
------------------	---------------------------------------	---

Spinal Cord	M   M   M   M   M   M   M   M   M   M	0
-------------	---------------------------------------	---

### RESPIRATORY SYSTEM

NONE

### SPECIAL SENSES SYSTEM

NONE

### URINARY SYSTEM

NONE

### SYSTEMIC LESIONS

Multiple Organ	+   +   +   +   +   +   +   +   +   +	10
----------------	---------------------------------------	----

\* .. Total animals with tissue examined microscopically; Total animals with tumor

+ .. Tissue examined microscopically

X .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

Experiment Number: 99037 - 04

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: MICE/B6C3F1

## P04: NEOPLASMS BY INDIVIDUAL ANIMAL

alpha/beta Thujone mixture

CAS Number: 76231-76-0

Date Report Requested: 09/20/2016

Time Report Requested: 15:14:27

First Dose M/F: 08/14/02 / 08/15/02

Lab: SRI

B6C3F1 MICE FEMALE 25 MG/KG	DAY ON TEST	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	0	0	0
ANIMAL ID		9	9	9	9	9	9	9	9	9	9
		3	3	3	3	3	3	3	3	3	3
		0	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	0	0	1
		9	9	9	9	9	9	9	9	9	0
		1	2	3	4	5	6	7	8	9	0

\* TOTALS

## ALIMENTARY SYSTEM

Esophagus	+	+	+	+	+	+	+	+	+	+	10
Gallbladder	+	+	+	+	+	+	+	+	+	+	10
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	10
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	10
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	10
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	10
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	+	10
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	+	10
Liver	+	+	+	+	+	+	+	+	+	+	10
Pancreas	+	+	+	+	+	+	+	+	+	+	10
Salivary Glands	+	+	+	+	+	+	+	+	+	+	10
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	10
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	10

## CARDIOVASCULAR SYSTEM

Heart	+	+	+	+	+	+	+	+	+	+	10
-------	---	---	---	---	---	---	---	---	---	---	----

\* .. Total animals with tissue examined microscopically; Total animals with tumor

+ .. Tissue examined microscopically

X .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

Experiment Number: 99037 - 04

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: MICE/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

alpha/beta Thujone mixture

CAS Number: 76231-76-0

Date Report Requested: 09/20/2016

Time Report Requested: 15:14:27

First Dose M/F: 08/14/02 / 08/15/02

Lab: SRI

B6C3F1 MICE FEMALE 25 MG/KG	DAY ON TEST										
		0 0 9 3	0 0 9 3	0 0 9 3							
ANIMAL ID	0 0 0 9 1	0 0 0 9 2	0 0 0 9 3	0 0 0 9 4	0 0 0 9 5	0 0 0 9 6	0 0 0 9 7	0 0 0 9 8	0 0 0 9 9	0 0 0 0	* TOTALS
	0 0 0 9 1	0 0 0 9 2	0 0 0 9 3	0 0 0 9 4	0 0 0 9 5	0 0 0 9 6	0 0 0 9 7	0 0 0 9 8	0 0 0 9 9	0 0 0 0	

\* TOTALS

### ENDOCRINE SYSTEM

Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	10
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	10
Parathyroid Gland	+	+	+	+	+	+	+	+	+	+	10
Pituitary Gland	+	+	+	+	+	+	+	+	+	+	10
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	10

### GENERAL BODY SYSTEM

NONE

### GENITAL SYSTEM

Clitoral Gland	+	+	+	+	+	+	+	+	+	+	10
Ovary	+	+	+	+	+	+	+	+	+	+	10
Uterus	+	+	+	+	+	+	+	+	+	+	10
Vagina	+	+	+	+	+	+	+	+	+	+	10

### HEMATOPOIETIC SYSTEM

Bone Marrow	+	+	+	+	+	+	+	+	+	+	10
Lymph Node, Mandibular	+	+	+	+	+	+	+	+	+	+	10

\* .. Total animals with tissue examined microscopically; Total animals with tumor

+ .. Tissue examined microscopically

X .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

Experiment Number: 99037 - 04

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: MICE/B6C3F1

## P04: NEOPLASMS BY INDIVIDUAL ANIMAL

alpha/beta Thujone mixture

CAS Number: 76231-76-0

Date Report Requested: 09/20/2016

Time Report Requested: 15:14:27

First Dose M/F: 08/14/02 / 08/15/02

Lab: SRI

B6C3F1 MICE FEMALE 25 MG/KG	DAY ON TEST ANIMAL ID											* TOTALS
		0 0 9 3										
Lymph Node, Mesenteric		+	+	+	+	+	+	+	+	+	+	10
Spleen		+	+	+	+	+	+	+	+	+	+	10
Thymus		+	+	+	+	+	+	+	+	+	+	10
<b>INTEGUMENTARY SYSTEM</b>												
Mammary Gland		+	+	+	+	+	+	+	+	+	+	10
Skin		+	+	+	+	+	+	+	+	+	+	10
<b>MUSCULOSKELETAL SYSTEM</b>												
Bone		+	+	+	+	+	+	+	+	+	+	10
Skeletal Muscle		M	M	M	M	M	+	+	+	+	+	5
<b>NERVOUS SYSTEM</b>												
Brain		+	+	+	+	+	+	+	+	+	+	10
Peripheral Nerve		M	M	M	M	M	+	+	+	+	+	5
Spinal Cord		M	M	M	M	M	+	+	+	+	+	5
<b>RESPIRATORY SYSTEM</b>												
Lung		+	+	+	+	+	+	+	+	+	+	10
Nose		+	+	+	+	+	+	+	+	+	+	10

\* .. Total animals with tissue examined microscopically; Total animals with tumor

+ .. Tissue examined microscopically

X .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

Experiment Number: 99037 - 04

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: MICE/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

alpha/beta Thujone mixture

CAS Number: 76231-76-0

Date Report Requested: 09/20/2016

Time Report Requested: 15:14:27

First Dose M/F: 08/14/02 / 08/15/02

Lab: SRI

		DAY ON TEST	0	0	0	0	0	0	0	0	0	0	
		0	0	0	0	0	0	0	0	0	0	0	
		9	9	9	9	9	9	9	9	9	9	9	
		3	3	3	3	3	3	3	3	3	3	3	
		0	0	0	0	0	0	0	0	0	0	0	
		0	0	0	0	0	0	0	0	0	0	0	
		0	0	0	0	0	0	0	0	0	0	1	
		9	9	9	9	9	9	9	9	9	9	0	
		1	2	3	4	5	6	7	8	9	9	0	
		</th											

Experiment Number: 99037 - 04

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: MICE/B6C3F1

## P04: NEOPLASMS BY INDIVIDUAL ANIMAL

alpha/beta Thujone mixture

CAS Number: 76231-76-0

Date Report Requested: 09/20/2016

Time Report Requested: 15:14:27

First Dose M/F: 08/14/02 / 08/15/02

Lab: SRI

B6C3F1 MICE FEMALE 50 MG/KG	DAY ON TEST	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	0	0	0
ANIMAL ID		6	6	7	9	7	8	7	9	9	7
		5	3	2	3	5	3	6	3	3	5
		0	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	0	0	0
		1	1	1	1	1	1	1	1	1	1
		0	0	0	0	0	0	0	0	0	1
		1	2	3	4	5	6	7	8	9	0

\* TOTALS

## ALIMENTARY SYSTEM

Esophagus	+	+	+	+	+	+	+	+	+	+	+	10
Gallbladder	+	+	+	+	+	+	+	+	+	+	+	10
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	+	10
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	+	10
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	+	10
Intestine Small, Duodenum	+	+	+	+	+	+	A	+	+	+	+	9
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	+	+	10
Intestine Small, Jejunum	+	A	+	+	+	+	M	+	+	+	+	8
Liver	+	+	+	+	+	+	+	+	+	+	+	10
Pancreas	+	+	+	+	+	+	+	+	+	+	+	10
Salivary Glands	+	+	+	+	+	+	+	+	+	+	+	10
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	+	10
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	+	10

## CARDIOVASCULAR SYSTEM

Heart	+	+	+	+	+	+	+	+	+	+	+	10
-------	---	---	---	---	---	---	---	---	---	---	---	----

\* .. Total animals with tissue examined microscopically; Total animals with tumor

+ .. Tissue examined microscopically

X .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

Experiment Number: 99037 - 04

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: MICE/B6C3F1

## P04: NEOPLASMS BY INDIVIDUAL ANIMAL

alpha/beta Thujone mixture

CAS Number: 76231-76-0

Date Report Requested: 09/20/2016

Time Report Requested: 15:14:27

First Dose M/F: 08/14/02 / 08/15/02

Lab: SRI

B6C3F1 MICE FEMALE 50 MG/KG	DAY ON TEST ANIMAL ID	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	0	0	0
		6	6	7	9	7	8	7	9	9	7
		5	3	2	3	5	3	6	3	3	5
		0	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	0	0	0
		1	1	1	1	1	1	1	1	1	1
		0	0	0	0	0	0	0	0	0	1
		1	2	3	4	5	6	7	8	9	0
		* TOTALS									

## ENDOCRINE SYSTEM

Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	10
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	10
Parathyroid Gland	+	+	+	+	+	+	+	+	+	+	10
Pituitary Gland	+	+	+	+	+	+	+	+	+	+	10
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	10

## GENERAL BODY SYSTEM

NONE

## GENITAL SYSTEM

Clitoral Gland	+	+	+	+	+	+	+	+	+	+	10
Ovary	+	+	+	+	+	+	+	+	+	+	10
Teratoma Benign				X							1
Uterus	+	+	+	+	+	+	+	+	+	+	10
Vagina	+	+	+	+	+	+	+	+	+	+	10

## HEMATOPOIETIC SYSTEM

Bone Marrow	+	+	+	+	+	+	+	+	+	+	10
-------------	---	---	---	---	---	---	---	---	---	---	----

\* .. Total animals with tissue examined microscopically; Total animals with tumor

+ .. Tissue examined microscopically

X .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

Experiment Number: 99037 - 04

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: MICE/B6C3F1

## P04: NEOPLASMS BY INDIVIDUAL ANIMAL

alpha/beta Thujone mixture

CAS Number: 76231-76-0

Date Report Requested: 09/20/2016

Time Report Requested: 15:14:27

First Dose M/F: 08/14/02 / 08/15/02

Lab: SRI

B6C3F1 MICE FEMALE 50 MG/KG	DAY ON TEST ANIMAL ID											* TOTALS
		0 0 6 5	0 0 7 3	0 0 9 2	0 0 8 5	0 0 7 3	0 0 9 6	0 0 9 3	0 0 9 3	0 0 7 5		
Lymph Node, Mandibular		+	+	+	+	+	+	+	+	+	+	10
Lymph Node, Mesenteric		+	+	+	+	+	+	+	+	+	+	10
Spleen		+	+	+	+	+	+	+	+	+	+	10
Thymus		+	+	+	+	+	+	+	+	+	+	10
<b>INTEGUMENTARY SYSTEM</b>												
Mammary Gland		+	+	+	+	+	+	+	+	+	+	10
Skin		+	+	+	+	+	+	+	+	+	+	10
<b>MUSCULOSKELETAL SYSTEM</b>												
Bone		+	+	+	+	+	+	+	+	+	+	10
Skeletal Muscle		+	+	+	+	+	+	+	+	+	+	10
<b>NERVOUS SYSTEM</b>												
Brain		+	+	+	+	+	+	+	+	+	+	10
Peripheral Nerve		+	+	+	+	+	+	+	+	+	+	10
Spinal Cord		+	+	+	+	+	+	+	+	+	+	10
<b>RESPIRATORY SYSTEM</b>												
Lung		+	+	+	+	+	+	+	+	+	+	10

\* .. Total animals with tissue examined microscopically; Total animals with tumor

+ .. Tissue examined microscopically

X .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

**Experiment Number:** 99037 - 04

## P04: NEOPLASMS BY INDIVIDUAL ANIMAL

**Date Report Requested:** 09/20/2016

**Test Type:** 90-DAY

### alpha/beta Thujone mixture

**Time Report Requested:** 15:14:27

## Route: GAVAGE

**CAS Number:** 76231-76-0

**First Dose M/F:** 08/14/02 / 08/15/02

**Species/Strain:** MICE/B6C3F1

Lab: SRI

\* .. Total animals with tissue examined microscopically; Total animals with tumor

+ .. Tissue examined microscopically

X .. Lesion present

#### I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

Experiment Number: 99037 - 04

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: MICE/B6C3F1

## P04: NEOPLASMS BY INDIVIDUAL ANIMAL

alpha/beta Thujone mixture

CAS Number: 76231-76-0

Date Report Requested: 09/20/2016

Time Report Requested: 15:14:27

First Dose M/F: 08/14/02 / 08/15/02

Lab: SRI

B6C3F1 MICE FEMALE 75 MG/KG	DAY ON TEST	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	0	0	0
ANIMAL ID		5	4	4	4	4	5	5	5	4	4
		1	9	2	8	8	6	1	1	2	9
		0	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	0	0	0
		1	1	1	1	1	1	1	1	1	1
		1	1	1	1	1	1	1	1	1	2
		1	2	3	4	5	6	7	8	9	0

\* TOTALS

## ALIMENTARY SYSTEM

Esophagus	+	+	+	+	+	+	+	+	+	+	10
Gallbladder	+	+	+	+	+	+	+	+	+	+	10
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	10
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	10
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	10
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	10
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	+	10
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	+	10
Liver	+	+	+	+	+	+	+	+	+	+	10
Pancreas	+	+	+	+	+	+	+	+	+	+	10
Salivary Glands	+	+	+	+	+	+	+	+	+	+	10
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	10
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	10

## CARDIOVASCULAR SYSTEM

Heart	+	+	+	+	+	+	+	+	+	+	10
-------	---	---	---	---	---	---	---	---	---	---	----

\* .. Total animals with tissue examined microscopically; Total animals with tumor

+ .. Tissue examined microscopically

X .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

Experiment Number: 99037 - 04

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: MICE/B6C3F1

## P04: NEOPLASMS BY INDIVIDUAL ANIMAL

alpha/beta Thujone mixture

CAS Number: 76231-76-0

Date Report Requested: 09/20/2016

Time Report Requested: 15:14:27

First Dose M/F: 08/14/02 / 08/15/02

Lab: SRI

B6C3F1 MICE FEMALE 75 MG/KG	DAY ON TEST	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	0	0	0
ANIMAL ID		5	4	4	4	4	5	5	5	4	4
		1	9	2	8	8	6	1	1	2	9
		0	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	0	0	0
		1	1	1	1	1	1	1	1	1	1
		1	1	1	1	1	1	1	1	1	2
		1	2	3	4	5	6	7	8	9	0

\* TOTALS

## ENDOCRINE SYSTEM

Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	10
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	10
Parathyroid Gland	+	+	+	M	+	+	+	+	+	+	9
Pituitary Gland	+	+	+	+	+	+	+	+	+	+	10
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	10

## GENERAL BODY SYSTEM

NONE

## GENITAL SYSTEM

Clitoral Gland	+	+	+	+	+	+	+	+	+	+	10
Ovary	+	+	+	+	+	+	+	+	+	+	10
Uterus	+	+	+	+	+	+	+	+	+	+	10
Vagina	+	+	+	+	+	+	+	+	+	+	10

## HEMATOPOIETIC SYSTEM

Bone Marrow	+	+	+	+	+	+	+	+	+	+	10
Lymph Node, Mandibular	+	+	+	+	+	+	+	+	+	+	10

\* .. Total animals with tissue examined microscopically; Total animals with tumor

+ .. Tissue examined microscopically

X .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

Experiment Number: 99037 - 04

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: MICE/B6C3F1

## P04: NEOPLASMS BY INDIVIDUAL ANIMAL

alpha/beta Thujone mixture

CAS Number: 76231-76-0

Date Report Requested: 09/20/2016

Time Report Requested: 15:14:27

First Dose M/F: 08/14/02 / 08/15/02

Lab: SRI

B6C3F1 MICE FEMALE 75 MG/KG	DAY ON TEST ANIMAL ID													* TOTALS
		0 0 5 1	0 0 4 9	0 0 4 2	0 0 4 8	0 0 5 8	0 0 5 6	0 0 5 1	0 0 5 1	0 0 4 2	0 0 4 9			
Lymph Node, Mesenteric		+	+	+	+	+	+	+	M	+	+			9
Spleen		+	+	+	+	+	+	+	+	+	+			10
Thymus		+	+	+	+	+	+	+	+	+	+			10
<b>INTEGUMENTARY SYSTEM</b>														
Mammary Gland		+	+	+	+	+	+	+	+	+	+			10
Skin		+	+	+	+	+	+	+	+	+	+			10
<b>MUSCULOSKELETAL SYSTEM</b>														
Bone		+	+	+	+	+	+	+	+	+	+			10
Skeletal Muscle		+	+	+	+	+	+	+	+	+	+			10
<b>NERVOUS SYSTEM</b>														
Brain		+	+	+	+	+	+	+	+	+	+			10
Peripheral Nerve		+	+	+	+	+	+	+	+	+	+			10
Spinal Cord		+	+	+	+	+	+	+	+	+	+			10
<b>RESPIRATORY SYSTEM</b>														
Lung		+	+	+	+	+	+	+	+	+	+			10
Nose		+	+	+	+	+	+	+	+	+	+			10

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Species/Strain: MICE/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

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CAS Number: 76231-76-0

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First Dose M/F: 08/14/02 / 08/15/02

Lab: SRI

		DAY ON TEST													
		ANIMAL ID												* TOTALS	
<b>B6C3F1 MICE FEMALE</b>		0	0	0	0	0	0	0	0	0	0	0	0		
<b>75 MG/KG</b>		0	0	0	0	0	0	0	0	0	0	0	0		
		5	4	4	4	4	5	5	5	4	4	4	4		
		1	9	2	8	8	6	1	1	2	9	1	1		
		0	0	0	0	0	0	0	0	0	0	0	0		
		0	0	0	0	0	0	0	0	0	0	0	0		
		1	1	1	1	1	1	1	1	1	1	1	1		
		1	1	1	1	1	1	1	1	1	1	1	2		
		1	2	3	4	5	6	7	8	9	0				
Trachea		+	+	+	+	+	+	+	+	+	+	+	+	10	
<b>SPECIAL SENSES SYSTEM</b>															
Eye		+	+	+	+	+	+	+	+	+	+	+	+	10	
Harderian Gland		+	+	+	+	+	+	+	+	+	+	+	+	10	
<b>URINARY SYSTEM</b>															
Kidney		+	+	+	+	+	+	+	+	+	+	+	+	10	
Urinary Bladder		+	+	+	+	+	+	+	+	+	+	+	+	10	
<b>SYSTEMIC LESIONS</b>															
Multiple Organ		+	+	+	+	+	+	+	+	+	+	+	+	10	

\*\*\* END OF REPORT \*\*\*

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