

**Experiment Number:** 99037-04  
**Test Type:** 90-DAY  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)**

**Test Compound:** alpha/beta Thujone mixture

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

**Date Report Requested:** 10/22/2014

**Time Report Requested:** 21:15:25

**First Dose M/F:** NA / NA

**Lab:** SRI

<b>C Number:</b>	C99037B
<b>Lock Date:</b>	04/04/2003
<b>Cage Range:</b>	All
<b>Date Range:</b>	All
<b>Reasons For Removal:</b>	All
<b>Removal Date Range:</b>	All
<b>Treatment Groups:</b>	All
<b>Study Gender:</b>	Both
<b>PWG Approval Date</b>	NONE

Experiment Number: 99037-04

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Date Report Requested: 10/22/2014

Test Type: 90-DAY

Test Compound: alpha/beta Thujone mixture

Time Report Requested: 21:15:25

Route: GAVAGE

CAS Number: 76231-76-0

First Dose M/F: NA / NA

Species/Strain: Mouse/B6C3F1

Lab: SRI

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

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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Endocrine System

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

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

M ..Missing tissue

+ ..Tissue examined microscopically

A ..Autolysis precludes evaluation

X ..Lesion present

BLANK ..Not examined microscopically

I ..Insufficient tissue

Experiment Number: 99037-04

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Date Report Requested: 10/22/2014

Test Type: 90-DAY

Test Compound: alpha/beta Thujone mixture

Time Report Requested: 21:15:25

Route: GAVAGE

CAS Number: 76231-76-0

First Dose M/F: NA / NA

Species/Strain: Mouse/B6C3F1

Lab: SRI

B6C3F1 Mouse Male 0 MG/KG	DAY ON TEST										*TOTALS
	0	0	0	0	0	0	0	0	0	0	
ANIMAL ID	0	0	0	0	0	0	0	0	0	0	
	3	3	3	3	3	3	3	3	3	3	
Thyroid Gland	0	0	0	0	0	0	0	0	0	0	10
<b>General Body System</b>	0	0	0	0	0	0	0	0	0	0	
NONE	0	0	0	0	0	0	0	0	0	0	
<b>Genital System</b>	0	0	0	0	0	0	0	0	0	0	
Epididymis	1	2	3	4	5	6	7	8	9	0	10
Preputial Gland	+	+	+	+	+	+	+	+	+	+	10
Prostate	+	+	+	+	+	+	+	+	+	+	10
Seminal Vesicle	+	+	+	+	+	+	+	+	+	+	10
Testes	+	+	+	+	+	+	+	+	+	+	10
<b>Hematopoietic System</b>											
Bone Marrow	+	+	+	+	+	+	+	+	+	+	10
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

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

M ..Missing tissue

+ ..Tissue examined microscopically

A ..Autolysis precludes evaluation

X ..Lesion present

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Date Report Requested: 10/22/2014

Test Type: 90-DAY

Test Compound: alpha/beta Thujone mixture

Time Report Requested: 21:15:25

Route: GAVAGE

CAS Number: 76231-76-0

First Dose M/F: NA / NA

Species/Strain: Mouse/B6C3F1

Lab: SRI

B6C3F1 Mouse Male 0 MG/KG	DAY ON TEST	0	0	0	0	0	0	0	0	0	0	*TOTALS
	ANIMAL ID	0	0	0	0	0	0	0	0	0	0	
Skeletal Muscle		+	+	+	+	+	+	+	+	+	+	10
<b>Nervous System</b>												
Brain		+	+	+	+	+	+	+	+	+	+	10
Peripheral Nerve		+	+	+	+	+	+	+	+	+	+	10
Spinal Cord		+	+	+	+	+	+	+	+	+	+	10
<b>Respiratory System</b>												
Lung		+	+	+	+	+	+	+	+	+	+	10
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

M ..Missing tissue

+ ..Tissue examined microscopically

A ..Autolysis precludes evaluation

X ..Lesion present

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Experiment Number: 99037-04

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Date Report Requested: 10/22/2014

Test Type: 90-DAY

Test Compound: alpha/beta Thujone mixture

Time Report Requested: 21:15:25

Route: GAVAGE

CAS Number: 76231-76-0

First Dose M/F: NA / NA

Species/Strain: Mouse/B6C3F1

Lab: SRI

B6C3F1 Mouse Male  
6.25 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
	9	9	9	9	9	9	9	9	9	9
	3	3	3	3	3	3	3	3	3	3
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
	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

Skeletal Muscle	M	M	M	M	M	M	M	M	M	M	0
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Nervous System

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

M ..Missing tissue

+ ..Tissue examined microscopically

A ..Autolysis precludes evaluation

X ..Lesion present

BLANK ..Not examined microscopically

I ..Insufficient tissue

Experiment Number: 99037-04

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Date Report Requested: 10/22/2014

Test Type: 90-DAY

Test Compound: alpha/beta Thujone mixture

Time Report Requested: 21:15:26

Route: GAVAGE

CAS Number: 76231-76-0

First Dose M/F: NA / NA

Species/Strain: Mouse/B6C3F1

Lab: SRI

B6C3F1 Mouse Male 6.25 MG/KG	DAY ON TEST	0	0	0	0	0	0	0	0	0	0	*TOTALS
	ANIMAL ID	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	
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
<b>Respiratory System</b>												
NONE												
<b>Special Senses System</b>												
NONE												
<b>Urinary System</b>												
NONE												
<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

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Date Report Requested: 10/22/2014

Test Type: 90-DAY

Test Compound: alpha/beta Thujone mixture

Time Report Requested: 21:15:26

Route: GAVAGE

CAS Number: 76231-76-0

First Dose M/F: NA / NA

Species/Strain: Mouse/B6C3F1

Lab: SRI

<b>B6C3F1 Mouse Male</b> <b>12.5 MG/KG</b>	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
	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
		2	2	2	2	2	2	2	2	3	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**

Skeletal Muscle	M	M	M	M	M	M	M	M	M	M	M	0
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**Nervous System**

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

M ..Missing tissue

+ ..Tissue examined microscopically

A ..Autolysis precludes evaluation

X ..Lesion present

BLANK ..Not examined microscopically

I ..Insufficient tissue

Experiment Number: 99037-04  
 Test Type: 90-DAY  
 Route: GAVAGE  
 Species/Strain: Mouse/B6C3F1

**P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)**  
 Test Compound: alpha/beta Thujone mixture  
 CAS Number: 76231-76-0

Date Report Requested: 10/22/2014  
 Time Report Requested: 21:15:26  
 First Dose M/F: NA / NA  
 Lab: SRI

**B6C3F1 Mouse Male**  
**12.5 MG/KG**

DAY ON TEST	0	0	0	0	0	0	0	0	0	0	*TOTALS
	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	
	2	2	2	2	2	2	2	2	2	3	
	1	2	3	4	5	6	7	8	9	0	
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
<b>Respiratory System</b>											
NONE											
<b>Special Senses System</b>											
NONE											
<b>Urinary System</b>											
NONE											
<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: Mouse/B6C3F1

**P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)**  
 Test Compound: alpha/beta Thujone mixture  
 CAS Number: 76231-76-0

Date Report Requested: 10/22/2014  
 Time Report Requested: 21:15:26  
 First Dose M/F: NA / NA  
 Lab: SRI

**B6C3F1 Mouse 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	0	0
	9	9	9	9	9	9	9	9	9	9	9
	3	3	3	3	3	3	3	3	3	3	3
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
	3	3	3	3	3	3	3	3	3	3	4
	1	2	3	4	5	6	7	8	9	0	
	<b>*TOTALS</b>										

**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
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**Endocrine System**

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

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Date Report Requested: 10/22/2014

Test Type: 90-DAY

Test Compound: alpha/beta Thujone mixture

Time Report Requested: 21:15:26

Route: GAVAGE

CAS Number: 76231-76-0

First Dose M/F: NA / NA

Species/Strain: Mouse/B6C3F1

Lab: SRI

B6C3F1 Mouse Male 25 MG/KG	DAY ON TEST										*TOTALS
	0	0	0	0	0	0	0	0	0	0	
ANIMAL ID	0	0	0	0	0	0	0	0	0	0	
	3	3	3	3	3	3	3	3	3	3	
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	10
<b>General Body System</b>											
NONE											
<b>Genital System</b>											
Epididymis	+	+	+	+	+	+	+	+	+	+	10
Preputial Gland	+	+	+	+	+	+	+	+	+	+	10
Prostate	+	+	+	+	+	+	+	+	+	+	10
Seminal Vesicle	+	+	+	+	+	+	+	+	+	+	10
Testes	+	+	+	+	+	+	+	+	+	+	10
<b>Hematopoietic System</b>											
Bone Marrow	+	+	+	+	+	+	+	+	+	+	10
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	M	0
Skin	+	+	+	+	+	+	+	+	+	+	10
<b>Musculoskeletal System</b>											
Bone	+	+	+	+	+	+	+	+	+	+	10

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

M ..Missing tissue

+ ..Tissue examined microscopically

A ..Autolysis precludes evaluation

X ..Lesion present

BLANK ..Not examined microscopically

I ..Insufficient tissue

Experiment Number: 99037-04

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Date Report Requested: 10/22/2014

Test Type: 90-DAY

Test Compound: alpha/beta Thujone mixture

Time Report Requested: 21:15:26

Route: GAVAGE

CAS Number: 76231-76-0

First Dose M/F: NA / NA

Species/Strain: Mouse/B6C3F1

Lab: SRI

B6C3F1 Mouse Male 25 MG/KG	DAY ON TEST	0	0	0	0	0	0	0	0	0	0	*TOTALS
	ANIMAL ID	0	0	0	0	0	0	0	0	0	0	
Skeletal Muscle												2
<b>Nervous System</b>												
Brain		+	+	+	+	+	+	+	+	+		10
Peripheral Nerve		+	+	+	+	M	M	M	M	M		5
Spinal Cord		+	+	+	+	M	M	M	M	M		4
<b>Respiratory System</b>												
Lung		+	+	+	+	+	+	+	+	+		10
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: Mouse/B6C3F1

**P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)**  
 Test Compound: alpha/beta Thujone mixture  
 CAS Number: 76231-76-0

Date Report Requested: 10/22/2014  
 Time Report Requested: 21:15:26  
 First Dose M/F: NA / NA  
 Lab: SRI

**B6C3F1 Mouse Male**  
**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	0	0
	4	6	8	9	5	5	9	7	5	7	
	2	3	7	3	5	5	0	6	5	6	
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
	4	4	4	4	4	4	4	4	4	5	
	1	2	3	4	5	6	7	8	9	0	
	<b>*TOTALS</b>										

**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
-------	---	---	---	---	---	---	---	---	---	---	----

**Endocrine System**

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

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Date Report Requested: 10/22/2014

Test Type: 90-DAY

Test Compound: alpha/beta Thujone mixture

Time Report Requested: 21:15:26

Route: GAVAGE

CAS Number: 76231-76-0

First Dose M/F: NA / NA

Species/Strain: Mouse/B6C3F1

Lab: SRI

B6C3F1 Mouse Male 50 MG/KG	DAY ON TEST										*TOTALS
	0	0	0	0	0	0	0	0	0	0	
ANIMAL ID	0	0	0	0	0	0	0	0	0	0	
	4	6	8	9	5	5	9	7	5	7	
	2	3	7	3	5	5	0	6	5	6	
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	10
<b>General Body System</b>											
NONE											
<b>Genital System</b>											
Epididymis	+	+	+	+	+	+	+	+	+	+	10
Preputial Gland	+	+	+	+	+	+	+	+	+	+	10
Prostate	+	+	+	+	+	+	+	+	+	+	10
Seminal Vesicle	+	+	+	+	+	+	+	+	+	+	10
Testes	+	+	+	+	+	+	+	+	+	+	10
<b>Hematopoietic System</b>											
Bone Marrow	+	+	+	+	+	+	+	+	+	+	10
Lymph Node, Mandibular	+	+	+	M	+	+	+	+	+	+	9
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	10
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

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

M ..Missing tissue

+ ..Tissue examined microscopically

A ..Autolysis precludes evaluation

X ..Lesion present

BLANK ..Not examined microscopically

I ..Insufficient tissue

Experiment Number: 99037-04

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Date Report Requested: 10/22/2014

Test Type: 90-DAY

Test Compound: alpha/beta Thujone mixture

Time Report Requested: 21:15:26

Route: GAVAGE

CAS Number: 76231-76-0

First Dose M/F: NA / NA

Species/Strain: Mouse/B6C3F1

Lab: SRI

B6C3F1 Mouse Male 50 MG/KG	DAY ON TEST	0	0	0	0	0	0	0	0	0	0	*TOTALS
	ANIMAL ID	0	0	0	0	0	0	0	0	0	0	
Skeletal Muscle		+	+	+	+	+	+	+	+	+	+	10
<b>Nervous System</b>												
Brain		+	+	+	+	+	+	+	+	+	+	10
Peripheral Nerve		+	+	+	+	+	+	+	+	+	+	10
Spinal Cord		+	+	+	+	+	+	+	+	+	+	10
<b>Respiratory System</b>												
Lung		+	+	+	+	+	+	+	+	+	+	10
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: Mouse/B6C3F1

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)  
 Test Compound: alpha/beta Thujone mixture  
 CAS Number: 76231-76-0

Date Report Requested: 10/22/2014  
 Time Report Requested: 21:15:26  
 First Dose M/F: NA / NA  
 Lab: SRI

B6C3F1 Mouse Male 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
		3	4	4	4	4	5	3	3	4	5
		5	2	3	3	9	1	8	8	2	5
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
	5	5	5	5	5	5	5	5	5	5	6
	1	2	3	4	5	6	7	8	9	0	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
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**Endocrine System**

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

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Date Report Requested: 10/22/2014

Test Type: 90-DAY

Test Compound: alpha/beta Thujone mixture

Time Report Requested: 21:15:26

Route: GAVAGE

CAS Number: 76231-76-0

First Dose M/F: NA / NA

Species/Strain: Mouse/B6C3F1

Lab: SRI

B6C3F1 Mouse Male 75 MG/KG	DAY ON TEST										*TOTALS
	0	0	0	0	0	0	0	0	0	0	
ANIMAL ID	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	
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	
General Body System											
NONE											
Genital System											
Epididymis	+	+	+	+	+	+	+	+	+	+	
Preputial Gland	+	+	+	+	+	+	+	+	+	+	
Prostate	+	+	+	+	+	+	+	+	+	+	
Seminal Vesicle	+	+	+	+	+	+	+	+	+	+	
Testes	+	+	+	+	+	+	+	+	+	+	
Hematopoietic System											
Bone Marrow	+	+	+	+	+	+	+	+	+	+	
Lymph Node, Mandibular	+	+	+	+	+	+	+	+	+	+	
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	M	
Spleen	+	+	+	+	+	+	+	+	+	+	
Thymus	+	+	+	+	+	+	+	+	+	+	
Integumentary System											
Mammary Gland	M	M	M	M	M	M	M	M	M	M	
Skin	+	+	+	+	+	+	+	+	+	+	
Musculoskeletal System											
Bone	+	+	+	+	+	+	+	+	+	+	

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

M ..Missing tissue

+ ..Tissue examined microscopically

A ..Autolysis precludes evaluation

X ..Lesion present

BLANK ..Not examined microscopically

I ..Insufficient tissue



Experiment Number: 99037-04

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Date Report Requested: 10/22/2014

Test Type: 90-DAY

Test Compound: alpha/beta Thujone mixture

Time Report Requested: 21:15:26

Route: GAVAGE

CAS Number: 76231-76-0

First Dose M/F: NA / NA

Species/Strain: Mouse/B6C3F1

Lab: SRI

B6C3F1 Mouse Male 75 MG/KG	DAY ON TEST	0	0	0	0	0	0	0	0	0	0	*TOTALS
	ANIMAL ID	0	0	0	0	0	0	0	0	0	0	
Skeletal Muscle		0	0	0	0	0	0	0	0	0	0	10
<b>Nervous System</b>												
Brain		3	4	4	4	4	5	3	3	4	5	10
Peripheral Nerve		5	2	3	3	9	1	8	8	2	5	10
Spinal Cord		0	0	0	0	0	0	0	0	0	0	10
<b>Respiratory System</b>												
Lung		0	0	0	0	0	0	0	0	0	0	10
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		5	5	5	5	5	5	5	5	5	6	10
Harderian Gland		1	2	3	4	5	6	7	8	9	0	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

M ..Missing tissue

+ ..Tissue examined microscopically

A ..Autolysis precludes evaluation

X ..Lesion present

BLANK ..Not examined microscopically

I ..Insufficient tissue

Experiment Number: 99037-04  
 Test Type: 90-DAY  
 Route: GAVAGE  
 Species/Strain: Mouse/B6C3F1

**P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)**  
 Test Compound: alpha/beta Thujone mixture  
 CAS Number: 76231-76-0

Date Report Requested: 10/22/2014  
 Time Report Requested: 21:15:26  
 First Dose M/F: NA / NA  
 Lab: SRI

DAY ON TEST		0	0	0	0	0	0	0	0	0	0
<b>B6C3F1 Mouse Female</b>		0	0	0	0	0	0	0	0	0	0
		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
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
		6	6	6	6	6	6	6	6	7	7
		1	2	3	4	5	6	7	8	9	0
<b>*TOTALS</b>											

**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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**Endocrine System**

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

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Date Report Requested: 10/22/2014

Test Type: 90-DAY

Test Compound: alpha/beta Thujone mixture

Time Report Requested: 21:15:26

Route: GAVAGE

CAS Number: 76231-76-0

First Dose M/F: NA / NA

Species/Strain: Mouse/B6C3F1

Lab: SRI

B6C3F1 Mouse Female 0 MG/KG	DAY ON TEST										*TOTALS
	0	0	0	0	0	0	0	0	0	0	
ANIMAL ID	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	
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	10
<b>General Body System</b>											
NONE											
<b>Genital System</b>											
Clitoral Gland	+	+	+	+	+	+	+	+	+	M	9
Ovary	+	+	+	+	+	+	+	+	+	+	10
Uterus	+	+	+	+	+	+	+	+	+	+	10
Vagina	+	+	+	+	+	+	+	+	+	+	10
<b>Hematopoietic System</b>											
Bone Marrow	+	+	+	+	+	+	+	+	+	+	10
Lymph Node, Mandibular	+	+	+	+	+	+	+	+	+	M	9
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

\* ..Total animals with tissue examined microscopically; Total animals with tumor  
+ ..Tissue examined microscopically  
X ..Lesion present  
I ..Insufficient tissue

M ..Missing tissue  
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BLANK ..Not examined microscopically

Experiment Number: 99037-04

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Date Report Requested: 10/22/2014

Test Type: 90-DAY

Test Compound: alpha/beta Thujone mixture

Time Report Requested: 21:15:26

Route: GAVAGE

CAS Number: 76231-76-0

First Dose M/F: NA / NA

Species/Strain: Mouse/B6C3F1

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
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
		6	6	6	6	6	6	6	6	7	7
		1	2	3	4	5	6	7	8	9	0
*TOTALS											

**Nervous System**

Brain	+	+	+	+	+	+	+	+	+	+	10
Peripheral Nerve	+	+	+	+	+	+	+	+	+	+	10
Spinal Cord	+	+	+	+	+	+	+	+	+	+	10

**Respiratory System**

Lung	+	+	+	+	+	+	+	+	+	+	10
Nose	+	+	+	+	+	+	+	+	+	+	10
Trachea	+	+	+	+	+	+	+	+	+	+	10

**Special Senses System**

Eye	+	+	+	+	+	+	+	+	+	+	10
Harderian Gland	+	+	+	+	+	+	+	+	+	+	10

**Urinary System**

Kidney	+	+	+	+	+	+	+	+	+	+	10
Urinary Bladder	+	+	+	+	+	+	+	+	+	+	10

**SYSTEMIC LESIONS**

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

M ..Missing tissue

+ ..Tissue examined microscopically

A ..Autolysis precludes evaluation

X ..Lesion present

BLANK ..Not examined microscopically

I ..Insufficient tissue

Experiment Number: 99037-04

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Date Report Requested: 10/22/2014

Test Type: 90-DAY

Test Compound: alpha/beta Thujone mixture

Time Report Requested: 21:15:26

Route: GAVAGE

CAS Number: 76231-76-0

First Dose M/F: NA / NA

Species/Strain: Mouse/B6C3F1

Lab: SRI

<b>B6C3F1 Mouse Female</b> <b>6.25 MG/KG</b>	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
	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
		7	7	7	7	7	7	7	7	8	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

**Musculoskeletal System**

Skeletal Muscle

M M M M M M M M M M M 0

\* ..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

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Date Report Requested: 10/22/2014

Test Type: 90-DAY

Test Compound: alpha/beta Thujone mixture

Time Report Requested: 21:15:26

Route: GAVAGE

CAS Number: 76231-76-0

First Dose M/F: NA / NA

Species/Strain: Mouse/B6C3F1

Lab: SRI

|                                   |             |   |   |   |   |   |   |   |   |   |         |  |
|-----------------------------------|-------------|---|---|---|---|---|---|---|---|---|---------|--|
| B6C3F1 Mouse Female<br>6.25 MG/KG | DAY ON TEST | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | *TOTALS |  |
|                                   |             | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |         |  |
|                                   |             | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |         |  |
|                                   |             | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |         |  |
|                                   | 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 |         |  |
|                                   |             | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 8 |         |  |
|                                   |             | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 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: Mouse/B6C3F1

**P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)**

Test Compound: alpha/beta Thujone mixture  
 CAS Number: 76231-76-0

Date Report Requested: 10/22/2014  
 Time Report Requested: 21:15:27  
 First Dose M/F: NA / NA  
 Lab: SRI

| DAY ON TEST                                     |  | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|---|--|---|---|---|---|---|---|---|---|---|---|
| <b>B6C3F1 Mouse Female</b><br><b>12.5 MG/KG</b> |  | 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 |
| 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 |
|   |  | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 9 | 9 |
|   |  | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 |
| <b>*TOTALS</b>                                  |  |   |   |   |   |   |   |   |   |   |   |

**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

**Musculoskeletal System**

Skeletal Muscle

M M M M M M M M M M M 0

\* ..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

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Date Report Requested: 10/22/2014

Test Type: 90-DAY

Test Compound: alpha/beta Thujone mixture

Time Report Requested: 21:15:27

Route: GAVAGE

CAS Number: 76231-76-0

First Dose M/F: NA / NA

Species/Strain: Mouse/B6C3F1

Lab: SRI

|   |             |   |   |   |   |   |   |   |   |   |   |
|---|-------------|---|---|---|---|---|---|---|---|---|---|
| <b>B6C3F1 Mouse Female</b><br><b>12.5 MG/KG</b> | 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 |
|   | 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 |
|   |             | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 9 |
|   |             | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 |
| <b>*TOTALS</b>                                  |             |   |   |   |   |   |   |   |   |   |   |

**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

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Date Report Requested: 10/22/2014

Test Type: 90-DAY

Test Compound: alpha/beta Thujone mixture

Time Report Requested: 21:15:27

Route: GAVAGE

CAS Number: 76231-76-0

First Dose M/F: NA / NA

Species/Strain: Mouse/B6C3F1

Lab: SRI

| DAY ON TEST                |                 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|----------------------------|-----------------|---|---|---|---|---|---|---|---|---|---|
| <b>B6C3F1 Mouse Female</b> |                 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|                            | <b>25 MG/KG</b> | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
|                            |                 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| 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 | 1 |
|                            |                 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 0 |
|                            |                 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 |
| <b>*TOTALS</b>             |                 |   |   |   |   |   |   |   |   |   |   |

**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 |
|-------|---|---|---|---|---|---|---|---|---|---|----|

**Endocrine System**

|                   |   |   |   |   |   |   |   |   |   |   |    |
|-------------------|---|---|---|---|---|---|---|---|---|---|----|
| Adrenal Cortex    | + | + | + | + | + | + | + | + | + | + | 10 |
| Adrenal Medulla   | + | + | + | + | + | + | + | + | + | + | 10 |
| Parathyroid Gland | + | + | + | + | + | + | + | + | + | + | 10 |
| Pituitary Gland   | + | + | + | + | + | + | + | + | + | + | 10 |

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

M ..Missing tissue

+ ..Tissue examined microscopically

A ..Autolysis precludes evaluation

X ..Lesion present

BLANK ..Not examined microscopically

I ..Insufficient tissue

Experiment Number: 99037-04

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Date Report Requested: 10/22/2014

Test Type: 90-DAY

Test Compound: alpha/beta Thujone mixture

Time Report Requested: 21:15:27

Route: GAVAGE

CAS Number: 76231-76-0

First Dose M/F: NA / NA

Species/Strain: Mouse/B6C3F1

Lab: SRI

| B6C3F1 Mouse Female<br>25 MG/KG | DAY ON TEST |   |   |   |   |   |   |   |   |   | *TOTALS |
|---------------------------------|-------------|---|---|---|---|---|---|---|---|---|---------|
|                                 | 0           | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |         |
| ANIMAL ID                       | 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 | 1 |         |
|                                 | 9           | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 0 |         |
|                                 | 1           | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 |         |
| Thyroid Gland                   | +           | + | + | + | + | + | + | + | + | + | 10      |
| <b>General Body System</b>      |             |   |   |   |   |   |   |   |   |   |         |
| NONE                            |             |   |   |   |   |   |   |   |   |   |         |
| <b>Genital System</b>           |             |   |   |   |   |   |   |   |   |   |         |
| Clitoral Gland                  | +           | + | + | + | + | + | + | + | + | + | 10      |
| Ovary                           | +           | + | + | + | + | + | + | + | + | + | 10      |
| Uterus                          | +           | + | + | + | + | + | + | + | + | + | 10      |
| Vagina                          | +           | + | + | + | + | + | + | + | + | + | 10      |
| <b>Hematopoietic System</b>     |             |   |   |   |   |   |   |   |   |   |         |
| Bone Marrow                     | +           | + | + | + | + | + | + | + | + | + | 10      |
| 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                 | M           | M | M | M | M | + | + | + | + | + | 5       |

\* ..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: Mouse/B6C3F1

**P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)**  
 Test Compound: alpha/beta Thujone mixture  
 CAS Number: 76231-76-0

Date Report Requested: 10/22/2014  
 Time Report Requested: 21:15:27  
 First Dose M/F: NA / NA  
 Lab: SRI

|                            |                 | DAY ON TEST |   |   |   |   |   |   |   |   |   |                |  |
|----------------------------|-----------------|-------------|---|---|---|---|---|---|---|---|---|----------------|--|
| <b>B6C3F1 Mouse Female</b> | <b>25 MG/KG</b> | 0           | 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              |  |
|                            |                 | 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 | 1              |  |
|                            |                 | 9           | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 0              |  |
|                            |                 | 1           | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 9 | 0              |  |
|                            |                 |             |   |   |   |   |   |   |   |   |   | <b>*TOTALS</b> |  |

**Nervous System**

|                  |   |   |   |   |   |   |   |   |   |   |   |    |
|------------------|---|---|---|---|---|---|---|---|---|---|---|----|
| Brain            | + | + | + | + | + | + | + | + | + | + | + | 10 |
| Peripheral Nerve | M | M | M | M | M | + | + | + | + | + | + | 5  |
| Spinal Cord      | M | M | M | M | M | + | + | + | + | + | + | 5  |

**Respiratory System**

|         |   |   |   |   |   |   |   |   |   |   |   |    |
|---------|---|---|---|---|---|---|---|---|---|---|---|----|
| Lung    | + | + | + | + | + | + | + | + | + | + | + | 10 |
| Nose    | + | + | + | + | + | + | + | + | + | + | + | 10 |
| Trachea | + | + | + | + | + | + | + | + | + | + | + | 10 |

**Special Senses System**

|                 |   |   |   |   |   |   |   |   |   |   |   |    |
|-----------------|---|---|---|---|---|---|---|---|---|---|---|----|
| Eye             | + | + | + | + | + | + | + | + | + | + | + | 10 |
| Harderian Gland | + | + | + | + | + | + | + | + | + | + | + | 10 |

**Urinary System**

|                 |   |   |   |   |   |   |   |   |   |   |   |    |
|-----------------|---|---|---|---|---|---|---|---|---|---|---|----|
| Kidney          | + | + | + | + | + | + | + | + | + | + | + | 10 |
| Urinary Bladder | + | + | + | + | + | + | + | + | + | + | + | 10 |

**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

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Date Report Requested: 10/22/2014

Test Type: 90-DAY

Test Compound: alpha/beta Thujone mixture

Time Report Requested: 21:15:27

Route: GAVAGE

CAS Number: 76231-76-0

First Dose M/F: NA / NA

Species/Strain: Mouse/B6C3F1

Lab: SRI

| DAY ON TEST                |                 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|----------------------------|-----------------|---|---|---|---|---|---|---|---|---|---|
| <b>B6C3F1 Mouse Female</b> |                 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|                            |                 | 6 | 6 | 7 | 9 | 7 | 8 | 7 | 9 | 9 | 7 |
|                            | <b>50 MG/KG</b> | 5 | 3 | 2 | 3 | 5 | 3 | 6 | 3 | 3 | 5 |
| ANIMAL ID                  |                 | 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 |
| <b>*TOTALS</b>             |                 |   |   |   |   |   |   |   |   |   |   |

**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 |
|-------|---|---|---|---|---|---|---|---|---|---|----|

**Endocrine System**

|                   |   |   |   |   |   |   |   |   |   |   |    |
|-------------------|---|---|---|---|---|---|---|---|---|---|----|
| Adrenal Cortex    | + | + | + | + | + | + | + | + | + | + | 10 |
| Adrenal Medulla   | + | + | + | + | + | + | + | + | + | + | 10 |
| Parathyroid Gland | + | + | + | + | + | + | + | + | + | + | 10 |
| Pituitary Gland   | + | + | + | + | + | + | + | + | + | + | 10 |

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

M ..Missing tissue

+ ..Tissue examined microscopically

A ..Autolysis precludes evaluation

X ..Lesion present

BLANK ..Not examined microscopically

I ..Insufficient tissue

Experiment Number: 99037-04

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Date Report Requested: 10/22/2014

Test Type: 90-DAY

Test Compound: alpha/beta Thujone mixture

Time Report Requested: 21:15:27

Route: GAVAGE

CAS Number: 76231-76-0

First Dose M/F: NA / NA

Species/Strain: Mouse/B6C3F1

Lab: SRI

| B6C3F1 Mouse Female<br>50 MG/KG | DAY ON TEST |   |   |   |   |   |   |   |   |   | *TOTALS |
|---------------------------------|-------------|---|---|---|---|---|---|---|---|---|---------|
|                                 | 0           | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |         |
| ANIMAL ID                       | 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 |         |
| Thyroid Gland                   | +           | + | + | + | + | + | + | + | + | + |         |
| General Body System             |             |   |   |   |   |   |   |   |   |   |         |
| NONE                            |             |   |   |   |   |   |   |   |   |   |         |
| Genital System                  |             |   |   |   |   |   |   |   |   |   |         |
| Clitoral Gland                  | +           | + | + | + | + | + | + | + | + | + |         |
| Ovary                           | +           | + | + | + | + | + | + | + | + | + |         |
| Teratoma Benign                 |             |   |   | X |   |   |   |   |   |   |         |
| Uterus                          | +           | + | + | + | + | + | + | + | + | + |         |
| Vagina                          | +           | + | + | + | + | + | + | + | + | + |         |
| Hematopoietic System            |             |   |   |   |   |   |   |   |   |   |         |
| Bone Marrow                     | +           | + | + | + | + | + | + | + | + | + |         |
| Lymph Node, Mandibular          | +           | + | + | + | + | + | + | + | + | + |         |
| Lymph Node, Mesenteric          | +           | + | + | + | + | + | + | + | + | + |         |
| Spleen                          | +           | + | + | + | + | + | + | + | + | + |         |
| Thymus                          | +           | + | + | + | + | + | + | + | + | + |         |
| Integumentary System            |             |   |   |   |   |   |   |   |   |   |         |
| Mammary Gland                   | +           | + | + | + | + | + | + | + | + | + |         |
| Skin                            | +           | + | + | + | + | + | + | + | + | + |         |
| Musculoskeletal System          |             |   |   |   |   |   |   |   |   |   |         |
| Bone                            | +           | + | + | + | + | + | + | + | + | + |         |

\* ..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

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Date Report Requested: 10/22/2014

Test Type: 90-DAY

Test Compound: alpha/beta Thujone mixture

Time Report Requested: 21:15:27

Route: GAVAGE

CAS Number: 76231-76-0

First Dose M/F: NA / NA

Species/Strain: Mouse/B6C3F1

Lab: SRI

| B6C3F1 Mouse Female<br>50 MG/KG | DAY ON TEST | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | *TOTALS |
|---------------------------------|-------------|---|---|---|---|---|---|---|---|---|---|---------|
|                                 | ANIMAL ID   | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |         |
| Skeletal Muscle                 |             | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10      |
| <b>Nervous System</b>           |             |   |   |   |   |   |   |   |   |   |   |         |
| Brain                           |             | 6 | 6 | 7 | 9 | 7 | 8 | 7 | 9 | 9 | 7 | 10      |
| Peripheral Nerve                |             | 5 | 3 | 2 | 3 | 5 | 3 | 6 | 3 | 3 | 5 | 10      |
| Spinal Cord                     |             | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10      |
| <b>Respiratory System</b>       |             |   |   |   |   |   |   |   |   |   |   |         |
| Lung                            |             | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10      |
| Nose                            |             | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 10      |
| Trachea                         |             | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 10      |
| <b>Special Senses System</b>    |             |   |   |   |   |   |   |   |   |   |   |         |
| Eye                             |             | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 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

M ..Missing tissue

+ ..Tissue examined microscopically

A ..Autolysis precludes evaluation

X ..Lesion present

BLANK ..Not examined microscopically

I ..Insufficient tissue

Experiment Number: 99037-04

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Date Report Requested: 10/22/2014

Test Type: 90-DAY

Test Compound: alpha/beta Thujone mixture

Time Report Requested: 21:15:27

Route: GAVAGE

CAS Number: 76231-76-0

First Dose M/F: NA / NA

Species/Strain: Mouse/B6C3F1

Lab: SRI

|                            |                 | DAY ON TEST |   |   |   |   |   |   |   |   |   |                |
|----------------------------|-----------------|-------------|---|---|---|---|---|---|---|---|---|----------------|
| <b>B6C3F1 Mouse Female</b> |                 | 0           | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |                |
|                            |                 | 0           | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |                |
|                            | <b>75 MG/KG</b> | 5           | 4 | 4 | 4 | 4 | 5 | 5 | 5 | 4 | 4 |                |
|                            |                 | 1           | 9 | 2 | 8 | 8 | 6 | 1 | 1 | 2 | 9 |                |
|                            | ANIMAL ID       | 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 | <b>*TOTALS</b> |

**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 |
|-------|---|---|---|---|---|---|---|---|---|---|----|

**Endocrine System**

|                   |   |   |   |   |   |   |   |   |   |   |    |
|-------------------|---|---|---|---|---|---|---|---|---|---|----|
| Adrenal Cortex    | + | + | + | + | + | + | + | + | + | + | 10 |
| Adrenal Medulla   | + | + | + | + | + | + | + | + | + | + | 10 |
| Parathyroid Gland | + | + | + | M | + | + | + | + | + | + | 9  |
| Pituitary Gland   | + | + | + | + | + | + | + | + | + | + | 10 |

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

M ..Missing tissue

+ ..Tissue examined microscopically

A ..Autolysis precludes evaluation

X ..Lesion present

BLANK ..Not examined microscopically

I ..Insufficient tissue

Experiment Number: 99037-04

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Date Report Requested: 10/22/2014

Test Type: 90-DAY

Test Compound: alpha/beta Thujone mixture

Time Report Requested: 21:15:27

Route: GAVAGE

CAS Number: 76231-76-0

First Dose M/F: NA / NA

Species/Strain: Mouse/B6C3F1

Lab: SRI

| B6C3F1 Mouse Female<br>75 MG/KG | DAY ON TEST |   |   |   |   |   |   |   |   |   | *TOTALS |
|---------------------------------|-------------|---|---|---|---|---|---|---|---|---|---------|
|                                 | 0           | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |         |
| ANIMAL ID                       | 0           | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |         |
|                                 |             | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0       |
|                                 | 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 |         |
| Thyroid Gland                   | +           | + | + | + | + | + | + | + | + | + |         |
| General Body System             |             |   |   |   |   |   |   |   |   |   |         |
| NONE                            |             |   |   |   |   |   |   |   |   |   |         |
| Genital System                  |             |   |   |   |   |   |   |   |   |   |         |
| Clitoral Gland                  | +           | + | + | + | + | + | + | + | + | + |         |
| Ovary                           | +           | + | + | + | + | + | + | + | + | + |         |
| Uterus                          | +           | + | + | + | + | + | + | + | + | + |         |
| Vagina                          | +           | + | + | + | + | + | + | + | + | + |         |
| Hematopoietic System            |             |   |   |   |   |   |   |   |   |   |         |
| Bone Marrow                     | +           | + | + | + | + | + | + | + | + | + |         |
| Lymph Node, Mandibular          | +           | + | + | + | + | + | + | + | + | + |         |
| Lymph Node, Mesenteric          | +           | + | + | + | + | + | + | M | + | + |         |
| Spleen                          | +           | + | + | + | + | + | + | + | + | + |         |
| Thymus                          | +           | + | + | + | + | + | + | + | + | + |         |
| Integumentary System            |             |   |   |   |   |   |   |   |   |   |         |
| Mammary Gland                   | +           | + | + | + | + | + | + | + | + | + |         |
| Skin                            | +           | + | + | + | + | + | + | + | + | + |         |
| Musculoskeletal System          |             |   |   |   |   |   |   |   |   |   |         |
| Bone                            | +           | + | + | + | + | + | + | + | + | + |         |
| Skeletal Muscle                 | +           | + | + | + | + | + | + | + | + | + |         |

\* ..Total animals with tissue examined microscopically; Total animals with tumor  
+ ..Tissue examined microscopically  
X ..Lesion present  
I ..Insufficient tissue

M ..Missing tissue  
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Experiment Number: 99037-04

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Date Report Requested: 10/22/2014

Test Type: 90-DAY

Test Compound: alpha/beta Thujone mixture

Time Report Requested: 21:15:27

Route: GAVAGE

CAS Number: 76231-76-0

First Dose M/F: NA / NA

Species/Strain: Mouse/B6C3F1

Lab: SRI

| DAY ON TEST     | 0                          | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|-----------------|----------------------------|---|---|---|---|---|---|---|---|---|
|                 | <b>B6C3F1 Mouse Female</b> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <b>75 MG/KG</b> | 5                          | 4 | 4 | 4 | 4 | 5 | 5 | 5 | 4 | 4 |
| ANIMAL ID       | 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                    |   |   |   |   |   |   |   |   |   |

**Nervous System**

|                  |   |   |   |   |   |   |   |   |   |   |    |
|------------------|---|---|---|---|---|---|---|---|---|---|----|
| Brain            | + | + | + | + | + | + | + | + | + | + | 10 |
| Peripheral Nerve | + | + | + | + | + | + | + | + | + | + | 10 |
| Spinal Cord      | + | + | + | + | + | + | + | + | + | + | 10 |

**Respiratory System**

|         |   |   |   |   |   |   |   |   |   |   |    |
|---------|---|---|---|---|---|---|---|---|---|---|----|
| Lung    | + | + | + | + | + | + | + | + | + | + | 10 |
| Nose    | + | + | + | + | + | + | + | + | + | + | 10 |
| Trachea | + | + | + | + | + | + | + | + | + | + | 10 |

**Special Senses System**

|                 |   |   |   |   |   |   |   |   |   |   |    |
|-----------------|---|---|---|---|---|---|---|---|---|---|----|
| Eye             | + | + | + | + | + | + | + | + | + | + | 10 |
| Harderian Gland | + | + | + | + | + | + | + | + | + | + | 10 |

**Urinary System**

|                 |   |   |   |   |   |   |   |   |   |   |    |
|-----------------|---|---|---|---|---|---|---|---|---|---|----|
| Kidney          | + | + | + | + | + | + | + | + | + | + | 10 |
| Urinary Bladder | + | + | + | + | + | + | + | + | + | + | 10 |

**SYSTEMIC LESIONS**

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

\*\* END OF REPORT \*\*

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

M ..Missing tissue

+ ..Tissue examined microscopically

A ..Autolysis precludes evaluation

X ..Lesion present

BLANK ..Not examined microscopically

I ..Insufficient tissue