

**Experiment Number:** 99021-97  
**Test Type:** 14-DAY  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P04: NEOPLASMS BY INDIVIDUAL ANIMAL**  
**Test Compound:** alpha-Thujone  
**CAS Number:** 546-80-5

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 16:45:17  
**First Dose M/F:** NA / NA  
**Lab:** MBA

<b>C Number:</b>	C99021
<b>Lock Date:</b>	01/24/2002
<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:** 99021-97  
**Test Type:** 14-DAY  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P04: NEOPLASMS BY INDIVIDUAL ANIMAL**  
**Test Compound:** alpha-Thujone  
**CAS Number:** 546-80-5

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 16:45:17  
**First Dose M/F:** NA / NA  
**Lab:** MBA

**B6C3F1 Mouse Male**  
**VEHICLE CONTROL**

DAY ON TEST	0	0	0	0
	0	0	0	0
	1	1	1	1
	7	7	7	7
ANIMAL ID	0	0	0	0
	0	0	0	0
	0	0	0	0
	0	0	0	0
	1	2	3	4
	*TOTALS			

**Alimentary System**

NONE

**Cardiovascular System**

NONE

**Endocrine System**

NONE

**General Body System**

NONE

**Genital System**

NONE

**Hematopoietic System**

NONE

**Integumentary System**

NONE

**Musculoskeletal System**

NONE

**Nervous System**

Brain, Entorhinal Cortex

+ + + + 4

\* ..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:** 99021-97  
**Test Type:** 14-DAY  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P04: NEOPLASMS BY INDIVIDUAL ANIMAL**  
**Test Compound:** alpha-Thujone  
**CAS Number:** 546-80-5

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 16:45:17  
**First Dose M/F:** NA / NA  
**Lab:** MBA

**B6C3F1 Mouse Male**  
**VEHICLE CONTROL**

	DAY ON TEST				
	0	0	0	0	
	0	0	0	0	
	1	1	1	1	
	7	7	7	7	
	ANIMAL ID				
	0	0	0	0	
	0	0	0	0	
	0	0	0	0	
	0	0	0	0	
	1	2	3	4	<b>*TOTALS</b>
Brain, Hippocampus	+	+	+	+	4
Brain, Piriform Cortex	+	+	+	+	4
Peripheral Nerve, Sciatic	+	+	+	+	4
Peripheral Nerve, Tibial	+	+	+	+	4
Spinal Cord, Cervical	+	+	+	+	4
Spinal Cord, Lumbar	+	+	+	+	4
<b>Respiratory System</b>					
NONE					
<b>Special Senses System</b>					
NONE					
<b>Urinary System</b>					
NONE					
<b>SYSTEMIC LESIONS</b>					
Multiple Organ	+	+	+	+	4

\* ..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:** 99021-97  
**Test Type:** 14-DAY  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P04: NEOPLASMS BY INDIVIDUAL ANIMAL**  
**Test Compound:** alpha-Thujone  
**CAS Number:** 546-80-5

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 16:45:17  
**First Dose M/F:** NA / NA  
**Lab:** MBA

DAY ON TEST

**B6C3F1 Mouse Male**  
**1.0 MG/KG**

ANIMAL ID

\*TOTALS

**Alimentary System**

NONE

**Cardiovascular System**

NONE

**Endocrine System**

NONE

**General Body System**

NONE

**Genital System**

NONE

**Hematopoietic System**

NONE

**Integumentary System**

NONE

**Musculoskeletal System**

NONE

**Nervous 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:** 99021-97  
**Test Type:** 14-DAY  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P04: NEOPLASMS BY INDIVIDUAL ANIMAL**  
**Test Compound:** alpha-Thujone  
**CAS Number:** 546-80-5

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 16:45:17  
**First Dose M/F:** NA / NA  
**Lab:** MBA

DAY ON TEST

**B6C3F1 Mouse Male**  
**1.0 MG/KG**

ANIMAL ID

\*TOTALS

**Respiratory System**

NONE

**Special Senses System**

NONE

**Urinary System**

NONE

**SYSTEMIC LESIONS**

Multiple Organ

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:** 99021-97  
**Test Type:** 14-DAY  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P04: NEOPLASMS BY INDIVIDUAL ANIMAL**  
**Test Compound:** alpha-Thujone  
**CAS Number:** 546-80-5

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 16:45:17  
**First Dose M/F:** NA / NA  
**Lab:** MBA

DAY ON TEST

**B6C3F1 Mouse Male**  
**3.0 MG/KG**

ANIMAL ID

\*TOTALS

---

**Alimentary System**

NONE

**Cardiovascular System**

NONE

**Endocrine System**

NONE

**General Body System**

NONE

**Genital System**

NONE

**Hematopoietic System**

NONE

**Integumentary System**

NONE

**Musculoskeletal System**

NONE

**Nervous 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:** 99021-97  
**Test Type:** 14-DAY  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P04: NEOPLASMS BY INDIVIDUAL ANIMAL**  
**Test Compound:** alpha-Thujone  
**CAS Number:** 546-80-5

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 16:45:17  
**First Dose M/F:** NA / NA  
**Lab:** MBA

DAY ON TEST

**B6C3F1 Mouse Male**  
**3.0 MG/KG**

ANIMAL ID

\*TOTALS

---

**Respiratory System**

NONE

**Special Senses System**

NONE

**Urinary System**

NONE

**SYSTEMIC LESIONS**

Multiple Organ

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:** 99021-97  
**Test Type:** 14-DAY  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P04: NEOPLASMS BY INDIVIDUAL ANIMAL**  
**Test Compound:** alpha-Thujone  
**CAS Number:** 546-80-5

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 16:45:17  
**First Dose M/F:** NA / NA  
**Lab:** MBA

DAY ON TEST

**B6C3F1 Mouse Male**  
**10.0 MG/KG**

ANIMAL ID

\*TOTALS

**Alimentary System**

NONE

**Cardiovascular System**

NONE

**Endocrine System**

NONE

**General Body System**

NONE

**Genital System**

NONE

**Hematopoietic System**

NONE

**Integumentary System**

NONE

**Musculoskeletal System**

NONE

**Nervous 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:** 99021-97  
**Test Type:** 14-DAY  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P04: NEOPLASMS BY INDIVIDUAL ANIMAL**  
**Test Compound:** alpha-Thujone  
**CAS Number:** 546-80-5

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 16:45:17  
**First Dose M/F:** NA / NA  
**Lab:** MBA

DAY ON TEST

**B6C3F1 Mouse Male**  
**10.0 MG/KG**

ANIMAL ID

\*TOTALS

---

**Respiratory System**

NONE

**Special Senses System**

NONE

**Urinary System**

NONE

**SYSTEMIC LESIONS**

Multiple Organ

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:** 99021-97  
**Test Type:** 14-DAY  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P04: NEOPLASMS BY INDIVIDUAL ANIMAL**  
**Test Compound:** alpha-Thujone  
**CAS Number:** 546-80-5

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 16:45:17  
**First Dose M/F:** NA / NA  
**Lab:** MBA

**B6C3F1 Mouse Male**  
**30.0 MG/KG**

DAY ON TEST	0	0	0	0
	0	0	0	0
	1	1	1	1
	7	7	7	7
ANIMAL ID	0	0	0	0
	0	0	0	0
	0	0	0	0
	3	3	3	3
	3	4	5	6
	*TOTALS			

**Alimentary System**

NONE

**Cardiovascular System**

NONE

**Endocrine System**

NONE

**General Body System**

NONE

**Genital System**

NONE

**Hematopoietic System**

NONE

**Integumentary System**

NONE

**Musculoskeletal System**

NONE

**Nervous System**

Brain, Entorhinal Cortex                    +   +   +   +                    4

\* ..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:** 99021-97  
**Test Type:** 14-DAY  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P04: NEOPLASMS BY INDIVIDUAL ANIMAL**  
**Test Compound:** alpha-Thujone  
**CAS Number:** 546-80-5

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 16:45:17  
**First Dose M/F:** NA / NA  
**Lab:** MBA

**B6C3F1 Mouse Male**  
**30.0 MG/KG**

	DAY ON TEST				
	0	0	0	0	
	0	0	0	0	
	1	1	1	1	
	7	7	7	7	
	ANIMAL ID				
	0	0	0	0	
	0	0	0	0	
	0	0	0	0	
	3	3	3	3	
	3	4	5	6	
					<b>*TOTALS</b>
Brain, Hippocampus	+	+	+	+	4
Brain, Piriform Cortex	+	+	+	+	4
Peripheral Nerve, Sciatic	+	+	+	+	4
Peripheral Nerve, Tibial	+	+	+	+	4
Spinal Cord, Cervical	+	+	+	+	4
Spinal Cord, Lumbar	+	+	+	+	4
<b>Respiratory System</b>					
NONE					
<b>Special Senses System</b>					
NONE					
<b>Urinary System</b>					
NONE					
<b>SYSTEMIC LESIONS</b>					
Multiple Organ	+	+	+	+	4

\* ..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: 99021-97

Test Type: 14-DAY

Route: GAVAGE

Species/Strain: Mouse/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Test Compound: alpha-Thujone

CAS Number: 546-80-5

Date Report Requested: 10/20/2014

Time Report Requested: 16:45:17

First Dose M/F: NA / NA

Lab: MBA

B6C3F1 Mouse Male  
100 MG/KG

DAY ON TEST	0	0	0	0
	0	0	0	0
	0	1	0	1
	7	7	4	7
ANIMAL ID	0	0	0	0
	0	0	0	0
	0	0	0	0
	4	4	4	4
	1	2	3	4

\*TOTALS

Alimentary System

Esophagus	+	+	2
Gallbladder	A	M	0
Intestine Large, Cecum	A	+	1
Intestine Large, Colon	+	+	2
Intestine Large, Rectum	+	+	2
Intestine Small, Duodenum	A	+	1
Intestine Small, Ileum	A	+	1
Intestine Small, Jejunum	A	+	1
Liver	+	+	2
Pancreas	+	+	2
Salivary Glands	+	+	2
Stomach, Forestomach	+	+	2
Stomach, Glandular	A	A	0

Cardiovascular System

Blood Vessel	+	+	2
Heart	+	+	2

Endocrine System

Adrenal Cortex	+	+	2
Adrenal Medulla	+	+	2
Islets, Pancreatic	+	+	2

\* ..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: 99021-97

Test Type: 14-DAY

Route: GAVAGE

Species/Strain: Mouse/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Test Compound: alpha-Thujone

CAS Number: 546-80-5

Date Report Requested: 10/20/2014

Time Report Requested: 16:45:17

First Dose M/F: NA / NA

Lab: MBA

B6C3F1 Mouse Male  
100 MG/KG

	DAY ON TEST				
	0 7	0 1 7	0 0 4	0 0 7	
ANIMAL ID	0 0 0 4 1	0 0 0 4 2	0 0 0 4 3	0 0 0 4 4	*TOTALS
Parathyroid Gland		+	M		1
Pituitary Gland		+	+		2
Thyroid Gland		+	M		1
<b>General Body System</b>					
NONE					
<b>Genital System</b>					
Epididymis		+	+		2
Preputial Gland		+	+		2
Prostate		+	+		2
Seminal Vesicle		+	+		2
Testes		+	+		2
<b>Hematopoietic System</b>					
Bone Marrow		+	+		2
Lymph Node, Mandibular		+	+		2
Lymph Node, Mesenteric		+	+		2
Spleen		+	+		2
Thymus		+	+		2
<b>Integumentary System</b>					
Mammary Gland		M	M		0
Skin		+	+		2

\* ..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: 99021-97

Test Type: 14-DAY

Route: GAVAGE

Species/Strain: Mouse/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Test Compound: alpha-Thujone

CAS Number: 546-80-5

Date Report Requested: 10/20/2014

Time Report Requested: 16:45:17

First Dose M/F: NA / NA

Lab: MBA

B6C3F1 Mouse Male  
100 MG/KG

DAY ON TEST	0	0	0	0	
	0	0	0	0	
	0	1	0	1	
	7	7	4	7	
ANIMAL ID	0	0	0	0	
	0	0	0	0	
	0	0	0	0	
	4	4	4	4	
	1	2	3	4	*TOTALS

Musculoskeletal System

Bone	+	+			2
Skeletal Muscle	+	+			2

Nervous System

Brain, Entorhinal Cortex		+	+		2
Brain, Hippocampus		+	+		2
Brain, NOS	+		+		2
Brain, Piriform Cortex		+	+		2
Peripheral Nerve, Sciatic	+	+	+	+	4
Peripheral Nerve, Tibial		+	+		2
Spinal Cord, Cervical	+	+	+	+	4
Spinal Cord, Lumbar	+	+	+	+	4

Respiratory System

Larynx	I		M		0
Lung	+		+		2
Nose	+		+		2
Trachea	+		+		2

Special Senses System

Eye	+		+		2
Harderian Gland	+		+		2

\* ..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:** 99021-97  
**Test Type:** 14-DAY  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P04: NEOPLASMS BY INDIVIDUAL ANIMAL**  
**Test Compound:** alpha-Thujone  
**CAS Number:** 546-80-5

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 16:45:17  
**First Dose M/F:** NA / NA  
**Lab:** MBA

**B6C3F1 Mouse Male**  
**100 MG/KG**

DAY ON TEST	0	0	0	0
	0	0	0	0
	0	1	0	1
	7	7	4	7
ANIMAL ID	0	0	0	0
	0	0	0	0
	0	0	0	0
	4	4	4	4
	1	2	3	4

**\*TOTALS**

**Urinary System**

Kidney	+	+			2
Urinary Bladder	+	+			2

**SYSTEMIC LESIONS**

Multiple Organ	+	+	+	+	4
----------------	---	---	---	---	---

\*\*\*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:** 99021-97  
**Test Type:** 14-DAY  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P04: NEOPLASMS BY INDIVIDUAL ANIMAL**  
**Test Compound:** alpha-Thujone  
**CAS Number:** 546-80-5

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 16:45:17  
**First Dose M/F:** NA / NA  
**Lab:** MBA

		DAY ON TEST			
<b>B6C3F1 Mouse Female</b>		0	0	0	0
		0	0	0	0
		1	1	1	1
		7	7	7	7
		0	0	0	0
<b>VEHICLE CONTROL</b>		0	0	0	0
		0	0	0	0
		0	0	0	0
		0	0	0	0
		5	6	7	8
					<b>*TOTALS</b>

**Alimentary System**

NONE

**Cardiovascular System**

NONE

**Endocrine System**

NONE

**General Body System**

NONE

**Genital System**

NONE

**Hematopoietic System**

NONE

**Integumentary System**

NONE

**Musculoskeletal System**

NONE

**Nervous System**

Brain, Entorhinal Cortex

+ + + +

4

\* ..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: 99021-97  
 Test Type: 14-DAY  
 Route: GAVAGE  
 Species/Strain: Mouse/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL  
 Test Compound: alpha-Thujone  
 CAS Number: 546-80-5

Date Report Requested: 10/20/2014  
 Time Report Requested: 16:45:17  
 First Dose M/F: NA / NA  
 Lab: MBA

B6C3F1 Mouse Female VEHICLE CONTROL	DAY ON TEST	0	0	0	0	*TOTALS
	ANIMAL ID	0	0	0	0	
		0	0	0	0	
		1	1	1	1	
		7	7	7	7	
		0	0	0	0	
		0	0	0	0	
		0	0	0	0	
		0	0	0	0	
		5	6	7	8	
Brain, Hippocampus		+	+	+	+	4
Brain, Piriform Cortex		+	+	+	+	4
Peripheral Nerve, Sciatic		+	+	+	+	4
Peripheral Nerve, Tibial		+	+	+	+	4
Spinal Cord, Cervical		+	+	+	+	4
Spinal Cord, Lumbar		+	+	+	+	4
<b>Respiratory System</b>						
NONE						
<b>Special Senses System</b>						
NONE						
<b>Urinary System</b>						
NONE						
<b>SYSTEMIC LESIONS</b>						
Multiple Organ		+	+	+	+	4

\* ..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:** 99021-97  
**Test Type:** 14-DAY  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P04: NEOPLASMS BY INDIVIDUAL ANIMAL**  
**Test Compound:** alpha-Thujone  
**CAS Number:** 546-80-5

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 16:45:17  
**First Dose M/F:** NA / NA  
**Lab:** MBA

DAY ON TEST

**B6C3F1 Mouse Female**  
**1.0 MG/KG**

ANIMAL ID

\*TOTALS

**Alimentary System**

NONE

**Cardiovascular System**

NONE

**Endocrine System**

NONE

**General Body System**

NONE

**Genital System**

NONE

**Hematopoietic System**

NONE

**Integumentary System**

NONE

**Musculoskeletal System**

NONE

**Nervous 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:** 99021-97  
**Test Type:** 14-DAY  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P04: NEOPLASMS BY INDIVIDUAL ANIMAL**  
**Test Compound:** alpha-Thujone  
**CAS Number:** 546-80-5

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 16:45:17  
**First Dose M/F:** NA / NA  
**Lab:** MBA

DAY ON TEST

**B6C3F1 Mouse Female**

**1.0 MG/KG**

ANIMAL ID

\*TOTALS

**Respiratory System**

NONE

**Special Senses System**

NONE

**Urinary System**

NONE

**SYSTEMIC LESIONS**

Multiple Organ

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:** 99021-97  
**Test Type:** 14-DAY  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P04: NEOPLASMS BY INDIVIDUAL ANIMAL**  
**Test Compound:** alpha-Thujone  
**CAS Number:** 546-80-5

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 16:45:17  
**First Dose M/F:** NA / NA  
**Lab:** MBA

DAY ON TEST

**B6C3F1 Mouse Female**

**3.0 MG/KG**

ANIMAL ID

\*TOTALS

**Alimentary System**

NONE

**Cardiovascular System**

NONE

**Endocrine System**

NONE

**General Body System**

NONE

**Genital System**

NONE

**Hematopoietic System**

NONE

**Integumentary System**

NONE

**Musculoskeletal System**

NONE

**Nervous 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:** 99021-97  
**Test Type:** 14-DAY  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P04: NEOPLASMS BY INDIVIDUAL ANIMAL**  
**Test Compound:** alpha-Thujone  
**CAS Number:** 546-80-5

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 16:45:18  
**First Dose M/F:** NA / NA  
**Lab:** MBA

DAY ON TEST

**B6C3F1 Mouse Female**  
**3.0 MG/KG**

ANIMAL ID

\*TOTALS

---

**Respiratory System**

NONE

**Special Senses System**

NONE

**Urinary System**

NONE

**SYSTEMIC LESIONS**

Multiple Organ

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:** 99021-97  
**Test Type:** 14-DAY  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P04: NEOPLASMS BY INDIVIDUAL ANIMAL**  
**Test Compound:** alpha-Thujone  
**CAS Number:** 546-80-5

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 16:45:18  
**First Dose M/F:** NA / NA  
**Lab:** MBA

DAY ON TEST

**B6C3F1 Mouse Female**  
**10.0 MG/KG**

ANIMAL ID

\*TOTALS

---

**Alimentary System**

NONE

**Cardiovascular System**

NONE

**Endocrine System**

NONE

**General Body System**

NONE

**Genital System**

NONE

**Hematopoietic System**

NONE

**Integumentary System**

NONE

**Musculoskeletal System**

NONE

**Nervous 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:** 99021-97  
**Test Type:** 14-DAY  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P04: NEOPLASMS BY INDIVIDUAL ANIMAL**  
**Test Compound:** alpha-Thujone  
**CAS Number:** 546-80-5

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 16:45:18  
**First Dose M/F:** NA / NA  
**Lab:** MBA

DAY ON TEST

**B6C3F1 Mouse Female**  
**10.0 MG/KG**

ANIMAL ID

\*TOTALS

---

**Respiratory System**

NONE

**Special Senses System**

NONE

**Urinary System**

NONE

**SYSTEMIC LESIONS**

Multiple Organ

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:** 99021-97  
**Test Type:** 14-DAY  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P04: NEOPLASMS BY INDIVIDUAL ANIMAL**  
**Test Compound:** alpha-Thujone  
**CAS Number:** 546-80-5

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 16:45:18  
**First Dose M/F:** NA / NA  
**Lab:** MBA

DAY ON TEST		0	0	0	0
<b>B6C3F1 Mouse Female</b> <b>30.0 MG/KG</b>		0	0	0	0
		1	1	1	1
		7	7	7	7
	ANIMAL ID	0	0	0	0
	0	0	0	0	
	0	0	0	0	
	3	3	3	4	
	7	8	9	0	<b>*TOTALS</b>

**Alimentary System**

NONE

**Cardiovascular System**

NONE

**Endocrine System**

NONE

**General Body System**

NONE

**Genital System**

NONE

**Hematopoietic System**

NONE

**Integumentary System**

NONE

**Musculoskeletal System**

NONE

**Nervous System**

Brain, Entorhinal Cortex                    +   +   +   +                    4

\* ..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:** 99021-97  
**Test Type:** 14-DAY  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P04: NEOPLASMS BY INDIVIDUAL ANIMAL**  
**Test Compound:** alpha-Thujone  
**CAS Number:** 546-80-5

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 16:45:18  
**First Dose M/F:** NA / NA  
**Lab:** MBA

B6C3F1 Mouse Female 30.0 MG/KG	DAY ON TEST	0	0	0	0	*TOTALS
	ANIMAL ID	0	0	0	0	
		0	0	0	0	
		1	1	1	1	
		7	7	7	7	
		0	0	0	0	
		0	0	0	0	
		0	0	0	0	
		3	3	3	4	
		7	8	9	0	
Brain, Hippocampus		+	+	+	+	4
Brain, Piriform Cortex		+	+	+	+	4
Peripheral Nerve, Sciatic		+	+	+	+	4
Peripheral Nerve, Tibial		+	+	+	+	4
Spinal Cord, Cervical		+	+	+	+	4
Spinal Cord, Lumbar		+	+	+	+	4
<b>Respiratory System</b>						
NONE						
<b>Special Senses System</b>						
NONE						
<b>Urinary System</b>						
NONE						
<b>SYSTEMIC LESIONS</b>						
Multiple Organ		+	+	+	+	4

\* ..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: 99021-97

Test Type: 14-DAY

Route: GAVAGE

Species/Strain: Mouse/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Test Compound: alpha-Thujone

CAS Number: 546-80-5

Date Report Requested: 10/20/2014

Time Report Requested: 16:45:18

First Dose M/F: NA / NA

Lab: MBA

<b>B6C3F1 Mouse Female</b> <b>100 MG/KG</b>	DAY ON TEST	0	0	0	0	
		0	0	0	0	
		0	0	0	0	
		9	6	6	6	
	ANIMAL ID	0	0	0	0	
	0	0	0	0		
	0	0	0	0		
	4	4	4	4		
	5	6	7	8	<b>*TOTALS</b>	

**Alimentary System**

Esophagus	+	+	+	+	4
Gallbladder	+	M	M	+	2
Intestine Large, Cecum	+	+	+	+	4
Intestine Large, Colon	+	+	+	+	4
Intestine Large, Rectum	+	+	+	+	4
Intestine Small, Duodenum	+	+	A	+	3
Intestine Small, Ileum	+	+	A	+	3
Intestine Small, Jejunum	+	+	A	+	3
Liver	+	+	+	+	4
Pancreas	+	+	+	+	4
Salivary Glands	+	+	+	+	4
Stomach, Forestomach	+	+	+	+	4
Stomach, Glandular	A	+	A	A	1

**Cardiovascular System**

Blood Vessel	+	+	M	+	3
Heart	+	+	+	+	4

**Endocrine System**

Adrenal Cortex	+	+	+	+	4
Adrenal Medulla	+	+	M	+	3
Islets, Pancreatic	+	+	+	+	4

\* ..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: 99021-97  
 Test Type: 14-DAY  
 Route: GAVAGE  
 Species/Strain: Mouse/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL  
 Test Compound: alpha-Thujone  
 CAS Number: 546-80-5

Date Report Requested: 10/20/2014  
 Time Report Requested: 16:45:18  
 First Dose M/F: NA / NA  
 Lab: MBA

B6C3F1 Mouse Female 100 MG/KG	DAY ON TEST				ANIMAL ID	
	0	0	0	0		
	0	0	0	0	0	
	0	0	0	0	0	
	9	6	6	6	6	
	0	0	0	0	0	
	0	0	0	0	0	
	0	0	0	0	0	
	4	4	4	4	4	
	5	6	7	8		*TOTALS
Parathyroid Gland	+	+	M	M		2
Pituitary Gland	+	+	+	+		4
Thyroid Gland	+	+	+	+		4
<b>General Body System</b>						
NONE						
<b>Genital System</b>						
Clitoral Gland	+	M	M	+		2
Ovary	+	+	+	+		4
Uterus	+	+	+	+		4
<b>Hematopoietic System</b>						
Bone Marrow	+	+	+	+		4
Lymph Node, Mandibular	+	+	+	+		4
Lymph Node, Mesenteric	+	+	+	M		3
Spleen	+	+	+	+		4
Thymus	+	+	+	+		4
<b>Integumentary System</b>						
Mammary Gland	+	+	+	+		4
Skin	+	+	+	+		4
<b>Musculoskeletal System</b>						
Bone	+	+	+	+		4

\* ..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: 99021-97  
 Test Type: 14-DAY  
 Route: GAVAGE  
 Species/Strain: Mouse/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL  
 Test Compound: alpha-Thujone  
 CAS Number: 546-80-5

Date Report Requested: 10/20/2014  
 Time Report Requested: 16:45:18  
 First Dose M/F: NA / NA  
 Lab: MBA

B6C3F1 Mouse Female 100 MG/KG	DAY ON TEST				ANIMAL ID	
	0	0	0	0		
	0	0	0	0	0	
	0	0	0	0	0	
	9	6	6	6	6	
	0	0	0	0	0	
	0	0	0	0	0	
	0	0	0	0	0	
	4	4	4	4	4	
	5	6	7	8	8	*TOTALS
Skeletal Muscle	+	+	+	+		4
<b>Nervous System</b>						
Brain, NOS	+	+	+	+		4
Peripheral Nerve, Sciatic	+	+	+	+		4
Spinal Cord, Cervical	+	+	+	+		4
Spinal Cord, Lumbar	+	+	+	+		4
<b>Respiratory System</b>						
Larynx	+	I	I	+		2
Lung	+	+	+	+		4
Nose	+	+	+	+		4
Trachea	+	+	+	+		4
<b>Special Senses System</b>						
Eye	+	+	+	+		4
Harderian Gland	+		+	+		3
<b>Urinary System</b>						
Kidney	+	+	+	+		4
Urinary Bladder	+	+	+	+		4
<b>SYSTEMIC LESIONS</b>						
Multiple Organ	+	+	+	+		4

\*\* END OF REPORT \*\*

\* ..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