

**Experiment Number:** 99021-02  
**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:** 10/19/2014  
**Time Report Requested:** 11:45:16  
**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: 99021-02  
 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: 10/19/2014  
 Time Report Requested: 11:45:16  
 First Dose M/F: NA / NA  
 Lab: MBA

B6C3F1 Mouse Male VEHICLE CONTROL	DAY ON TEST	0	0	0	0	0
		0	0	0	0	0
	1	1	1	1	1	1
	8	8	8	8	8	8
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
	1	2	3	4	5	
	*TOTALS					

**Alimentary System**

Esophagus	+	+	+	M	+	4
Gallbladder	M	+	+	+	+	4
Intestine Large, Cecum	+	+	+	+	+	5
Intestine Large, Colon	+	+	+	+	+	5
Intestine Large, Rectum	+	+	+	+	+	5
Intestine Small, Duodenum	+	+	+	+	+	5
Intestine Small, Ileum	+	+	+	+	+	5
Intestine Small, Jejunum	+	+	+	+	+	5
Liver	+	+	+	+	+	5
Pancreas	+	+	+	+	+	5
Salivary Glands	+	+	+	+	+	5
Stomach, Forestomach	+	+	+	+	+	5
Stomach, Glandular	+	+	+	+	+	5

**Cardiovascular System**

Blood Vessel	+	+	+	+	+	5
Heart	+	+	+	+	+	5

**Endocrine System**

Adrenal Cortex	+	+	+	+	+	5
Adrenal Medulla	+	+	+	+	+	5
Islets, Pancreatic	+	+	+	+	+	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: 99021-02  
 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: 10/19/2014  
 Time Report Requested: 11:45:16  
 First Dose M/F: NA / NA  
 Lab: MBA

B6C3F1 Mouse Male VEHICLE CONTROL	DAY ON TEST					ANIMAL ID	*TOTALS
	0	0	0	0	0		
	0	0	0	0	0		
	1	1	1	1	1		
	8	8	8	8	8		
	0	0	0	0	0		
	0	0	0	0	0		
	0	0	0	0	0		
	0	0	0	0	0		
	1	2	3	4	5		
Parathyroid Gland	+	+	+	+	+		5
Pituitary Gland	+	+	+	+	+		5
Thyroid Gland	+	+	+	+	+		5
<b>General Body System</b>							
NONE							
<b>Genital System</b>							
Epididymis	+	+	+	+	+		5
Preputial Gland	+	+	+	+	+		5
Prostate	+	+	+	+	+		5
Seminal Vesicle	+	+	+	+	+		5
Testes	+	+	+	+	+		5
<b>Hematopoietic System</b>							
Bone Marrow	+	+	+	+	+		5
Lymph Node, Mandibular	+	+	+	+	+		5
Lymph Node, Mesenteric	+	+	+	+	+		5
Spleen	+	+	+	+	+		5
Thymus	+	+	+	+	+		5
<b>Integumentary System</b>							
Mammary Gland	M	M	+	M	M		1
Skin	+	+	+	+	+		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: 99021-02  
 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: 10/19/2014  
 Time Report Requested: 11:45:16  
 First Dose M/F: NA / NA  
 Lab: MBA

B6C3F1 Mouse Male VEHICLE CONTROL	DAY ON TEST	0	0	0	0	0
		0	0	0	0	0
	1	1	1	1	1	1
	8	8	8	8	8	8
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
	1	2	3	4	5	
	*TOTALS					

**Musculoskeletal System**

Bone	+	+	I	+	+	4
Skeletal Muscle	+	+	+	+	+	5

**Nervous System**

Brain, NOS	+	+	+	+	+	5
Peripheral Nerve, Sciatic	+	+	+	I	+	4
Spinal Cord, Cervical	+	+	+	+	+	5
Spinal Cord, Lumbar	+	+	+	+	+	5

**Respiratory System**

Larynx	I	I	I	I	I	0
Lung	+	+	+	+	+	5
Nose	+	+	+	+	+	5
Trachea	+	+	+	+	+	5

**Special Senses System**

Eye	+	+	+	+	+	5
Harderian Gland	+	+	+	+	+	5
Zymbal's Gland					+	1

**Urinary System**

Kidney	+	+	+	+	+	5
Urinary Bladder	+	+	+	+	+	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: 99021-02

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: 10/19/2014

Time Report Requested: 11:45:16

First Dose M/F: NA / NA

Lab: MBA

**B6C3F1 Mouse Male  
VEHICLE CONTROL**

DAY ON TEST	0	0	0	0	0	
	0	0	0	0	0	
	1	1	1	1	1	
	8	8	8	8	8	
ANIMAL ID	0	0	0	0	0	
	0	0	0	0	0	
	0	0	0	0	0	
	0	0	0	0	0	
	1	2	3	4	5	<b>*TOTALS</b>

**SYSTEMIC LESIONS**

Multiple Organ	+	+	+	+	+	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:** 99021-02  
**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:** 10/19/2014  
**Time Report Requested:** 11:45:16  
**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:** 99021-02  
**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:** 10/19/2014  
**Time Report Requested:** 11:45:16  
**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:** 99021-02  
**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:** 10/19/2014  
**Time Report Requested:** 11:45:16  
**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:** 99021-02  
**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:** 10/19/2014  
**Time Report Requested:** 11:45:16  
**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:** 99021-02  
**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:** 10/19/2014  
**Time Report Requested:** 11:45:16  
**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:** 99021-02  
**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:** 10/19/2014  
**Time Report Requested:** 11:45:16  
**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: 99021-02  
 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: 10/19/2014  
 Time Report Requested: 11:45:16  
 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	0	0
	1	1	1	1	1
	8	8	8	8	8
ANIMAL ID	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
	4	4	4	4	4
	1	2	3	4	5
	*TOTALS				

**Alimentary System**

Esophagus	+	+	+	+	+	5
Gallbladder	M	+	+	+	+	4
Intestine Large, Cecum	+	+	+	+	+	5
Intestine Large, Colon	+	+	+	+	+	5
Intestine Large, Rectum	+	+	+	+	+	5
Intestine Small, Duodenum	+	+	+	+	+	5
Intestine Small, Ileum	+	+	+	+	+	5
Intestine Small, Jejunum	+	+	+	+	+	5
Liver	+	+	+	+	+	5
Pancreas	+	+	+	+	+	5
Salivary Glands	+	+	+	+	+	5
Stomach, Forestomach	+	+	+	+	+	5
Stomach, Glandular	+	+	+	+	+	5

**Cardiovascular System**

Blood Vessel	+	+	+	+	+	5
Heart	+	+	+	+	+	5

**Endocrine System**

Adrenal Cortex	+	+	+	+	+	5
Adrenal Medulla	+	+	+	+	+	5
Islets, Pancreatic	+	+	+	+	+	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: 99021-02  
 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: 10/19/2014  
 Time Report Requested: 11:45:16  
 First Dose M/F: NA / NA  
 Lab: MBA

B6C3F1 Mouse Male 30.0 MG/KG	DAY ON TEST					ANIMAL ID					
	0	0	0	0	0						
	0	0	0	0	0	0					
	1	1	1	1	1	0					
	8	8	8	8	8	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					
	1	2	3	4	5						
											*TOTALS
Parathyroid Gland	M	+	+	M	+						3
Pituitary Gland	+	+	+	+	+						5
Thyroid Gland	+	+	+	+	+						5
<b>General Body System</b>											
NONE											
<b>Genital System</b>											
Epididymis	+	+	+	+	+						5
Preputial Gland	+	+	+	+	+						5
Prostate	+	+	+	+	+						5
Seminal Vesicle	+	+	+	+	+						5
Testes	+	+	+	+	+						5
<b>Hematopoietic System</b>											
Bone Marrow	+	+	+	+	+						5
Lymph Node, Mandibular	+	+	+	+	+						5
Lymph Node, Mesenteric	+	+	+	+	+						5
Spleen	+	+	+	+	+						5
Thymus	+	+	+	+	+						5
<b>Integumentary System</b>											
Mammary Gland	M	M	M	M	M						0
Skin	+	+	+	+	+						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: 99021-02

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: 10/19/2014

Time Report Requested: 11:45:16

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	0	0
	1	1	1	1	1
	8	8	8	8	8
ANIMAL ID	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
	4	4	4	4	4
	1	2	3	4	5
	*TOTALS				

**Musculoskeletal System**

Bone	+	+	+	+	+	5
Skeletal Muscle	+	+	+	+	+	5

**Nervous System**

Brain, NOS	+	+	+	+	+	5
Peripheral Nerve, Sciatic	+	+	+	+	+	5
Spinal Cord, Cervical	+	+	+	+	+	5
Spinal Cord, Lumbar	+	+	+	+	+	5

**Respiratory System**

Larynx		+	+			2
Lung	+	+	+	+	+	5
Nose	+	+	+	+	+	5
Trachea	+	+	+	+	+	5

**Special Senses System**

Eye	+	+	+	+	+	5
Harderian Gland	+	+	+	+	+	5

**Urinary System**

Kidney	+	+	+	+	+	5
Urinary Bladder	+	+	+	+	+	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:** 99021-02  
**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:** 10/19/2014  
**Time Report Requested:** 11:45:16  
**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	0	0
	1	1	1	1	1
	8	8	8	8	8
ANIMAL ID	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
	4	4	4	4	4
	1	2	3	4	5
	<b>*TOTALS</b>				

**SYSTEMIC LESIONS**

Multiple Organ	+	+	+	+	+	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: 99021-02

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: 10/19/2014

Time Report Requested: 11:45:16

First Dose M/F: NA / NA

Lab: MBA

<b>B6C3F1 Mouse Male</b> <b>100 MG/KG</b>	DAY ON TEST	0	0	0	0	0
		0	0	0	0	0
		0	1	0	0	1
		4	8	4	8	5
	ANIMAL ID	0	0	0	0	0
		0	0	0	0	0
	0	0	0	0	0	
	5	5	5	5	5	
	1	2	3	4	5	
						<b>*TOTALS</b>

**Alimentary System**

Esophagus	+	+	+	+	+	5
Gallbladder	+	+	+	+	A	4
Intestine Large, Cecum	A	+	A	A	A	1
Intestine Large, Colon	A	+	A	+	A	2
Intestine Large, Rectum	A	+	A	+	A	2
Intestine Small, Duodenum	A	+	A	A	A	1
Intestine Small, Ileum	A	+	A	A	A	1
Intestine Small, Jejunum	A	+	A	A	A	1
Liver	+	+	+	+	+	5
Pancreas	+	+	+	+	+	5
Salivary Glands	+	+	+	+	+	5
Stomach, Forestomach	+	+	+	+	+	5
Stomach, Glandular	+	+	+	+	+	5

**Cardiovascular System**

Blood Vessel	+	+	+	+	+	5
Heart	+	+	+	+	+	5

**Endocrine System**

Adrenal Cortex	+	+	+	+	+	5
Adrenal Medulla	+	+	+	+	+	5
Islets, Pancreatic	+	+	+	+	+	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: 99021-02  
 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: 10/19/2014  
 Time Report Requested: 11:45:16  
 First Dose M/F: NA / NA  
 Lab: MBA

B6C3F1 Mouse Male 100 MG/KG	DAY ON TEST					ANIMAL ID					
	0	0	0	0	0						
	0	0	0	0	0	0					
	0	1	0	0	1	0					
	4	8	4	8	5						
	0	0	0	0	0						
	0	0	0	0	0						
	0	0	0	0	0						
	5	5	5	5	5						
	1	2	3	4	5						
											<b>*TOTALS</b>
Parathyroid Gland	M	M	+	M	M						1
Pituitary Gland	+	+	+	+	+						5
Thyroid Gland	+	+	+	+	+						5
<b>General Body System</b>											
NONE											
<b>Genital System</b>											
Epididymis	+	+	+	+	+						5
Preputial Gland	+	+	+	+	+						5
Prostate	+	+	+	+	+						5
Seminal Vesicle	+	+	+	+	+						5
Testes	+	+	+	+	+						5
<b>Hematopoietic System</b>											
Bone Marrow	+	+	+	+	+						5
Lymph Node, Mandibular	+	+	+	+	M						4
Lymph Node, Mesenteric	+	+	+	+	+						5
Spleen	+	+	+	+	+						5
Thymus	+	+	+	+	+						5
<b>Integumentary System</b>											
Mammary Gland	M	M	M	M	M						0
Skin	+	+	+	+	+						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: 99021-02  
 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: 10/19/2014  
 Time Report Requested: 11:45:17  
 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	0
	0	1	0	0	1
	4	8	4	8	5
ANIMAL ID	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
	5	5	5	5	5
	1	2	3	4	5
	*TOTALS				

**Musculoskeletal System**

Bone	+	+	+	+	+	5
Skeletal Muscle	+	+	+	+	+	5

**Nervous System**

Brain, NOS	+	+	+	+	+	5
Peripheral Nerve, Sciatic	+	+	+	+	+	5
Spinal Cord, Cervical	+	+	+	+	+	5
Spinal Cord, Lumbar	+	+	+	+	+	5

**Respiratory System**

Larynx			+			1
Lung	+	+	+	+	+	5
Nose	+	+	+	+	+	5
Trachea	+	+	+	+	+	5

**Special Senses System**

Eye	+	+	+	+	+	5
Harderian Gland	+	+	+	+	+	5

**Urinary System**

Kidney	+	+	+	+	+	5
Urinary Bladder	+	+	+	+	+	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: 99021-02  
 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: 10/19/2014  
 Time Report Requested: 11:45:17  
 First Dose M/F: NA / NA  
 Lab: MBA

B6C3F1 Mouse Female VEHICLE CONTROL	DAY ON TEST	0	0	0	0	0
		0	0	0	0	0
	1	1	1	1	1	1
	8	8	8	8	8	8
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	1
	6	7	8	9	0	

\*TOTALS

**Alimentary System**

Esophagus	+	+	+	+	+	5
Gallbladder	+	M	+	+	M	3
Intestine Large, Cecum	+	+	+	+	+	5
Intestine Large, Colon	+	+	+	+	+	5
Intestine Large, Rectum	+	+	+	+	+	5
Intestine Small, Duodenum	+	+	+	+	+	5
Intestine Small, Ileum	+	+	+	+	+	5
Intestine Small, Jejunum	+	+	+	+	+	5
Liver	+	+	+	+	+	5
Pancreas	+	+	+	+	+	5
Salivary Glands	+	+	+	+	+	5
Stomach, Forestomach	+	+	+	+	+	5
Stomach, Glandular	+	+	+	+	+	5

**Cardiovascular System**

Blood Vessel	+	+	+	+	+	5
Heart	+	+	+	+	+	5

**Endocrine System**

Adrenal Cortex	+	+	+	+	+	5
Adrenal Medulla	+	+	+	+	+	5
Islets, Pancreatic	+	+	+	+	+	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: 99021-02  
 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: 10/19/2014  
 Time Report Requested: 11:45:17  
 First Dose M/F: NA / NA  
 Lab: MBA

B6C3F1 Mouse Female VEHICLE CONTROL	DAY ON TEST					ANIMAL ID	*TOTALS
	0	0	0	0	0		
	0	0	0	0	0	0	
	1	1	1	1	1	0	
	8	8	8	8	8	0	
	0	0	0	0	0	0	
	0	0	0	0	0	0	
	0	0	0	0	0	1	
	6	7	8	9	0		
Parathyroid Gland	+	+	+	+	+		5
Pituitary Gland	+	+	I	+	I		3
Thyroid Gland	+	+	+	+	+		5
<b>General Body System</b>							
NONE							
<b>Genital System</b>							
Clitoral Gland	M	+	+	+	M		3
Ovary	+	+	+	+	+		5
Uterus	+	+	+	+	+		5
<b>Hematopoietic System</b>							
Bone Marrow	+	+	+	+	+		5
Lymph Node, Mandibular	+	+	+	+	+		5
Lymph Node, Mesenteric	+	+	+	+	+		5
Spleen	+	+	+	+	+		5
Thymus	+	+	+	+	+		5
<b>Integumentary System</b>							
Mammary Gland	+	+	+	+	M		4
Skin	+	+	+	+	+		5
<b>Musculoskeletal System</b>							
Bone	+	+	+	+	+		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: 99021-02  
 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: 10/19/2014  
 Time Report Requested: 11:45:17  
 First Dose M/F: NA / NA  
 Lab: MBA

B6C3F1 Mouse Female VEHICLE CONTROL	DAY ON TEST	0	0	0	0	0	*TOTALS
	ANIMAL ID	0	0	0	0	0	
		0	0	0	0	0	
		1	1	1	1	1	
		8	8	8	8	8	
		0	0	0	0	0	
		0	0	0	0	0	
		0	0	0	0	0	
		0	0	0	0	1	
		6	7	8	9	0	
Skeletal Muscle		+	+	+	+	+	5
<b>Nervous System</b>							
Brain, NOS		+	+	+	+	+	5
Peripheral Nerve, Sciatic		+	+	+	+	+	5
Spinal Cord, Cervical		+	+	+	+	+	5
Spinal Cord, Lumbar		+	+	+	+	+	5
<b>Respiratory System</b>							
Larynx		+	+	I	+	I	3
Lung		+	+	+	+	+	5
Nose		+	+	+	+	+	5
Trachea		+	+	+	+	+	5
<b>Special Senses System</b>							
Eye		+	+	+	+	+	5
Harderian Gland		+	+	+	+	+	5
<b>Urinary System</b>							
Kidney		+	+	+	+	+	5
Urinary Bladder		+	+	+	+	+	5
<b>SYSTEMIC LESIONS</b>							
Multiple Organ		+	+	+	+	+	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:** 99021-02  
**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:** 10/19/2014  
**Time Report Requested:** 11:45:17  
**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:** 99021-02  
**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:** 10/19/2014  
**Time Report Requested:** 11:45:17  
**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:** 99021-02  
**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:** 10/19/2014  
**Time Report Requested:** 11:45:17  
**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:** 99021-02  
**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:** 10/19/2014  
**Time Report Requested:** 11:45:17  
**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:** 99021-02  
**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:** 10/19/2014  
**Time Report Requested:** 11:45:17  
**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:** 99021-02  
**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:** 10/19/2014  
**Time Report Requested:** 11:45:17  
**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:** 99021-02  
**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:** 10/19/2014  
**Time Report Requested:** 11:45:17  
**First Dose M/F:** NA / NA  
**Lab:** MBA

DAY ON TEST

**B6C3F1 Mouse Female**  
**30.0 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:** 99021-02  
**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:** 10/19/2014  
**Time Report Requested:** 11:45:17  
**First Dose M/F:** NA / NA  
**Lab:** MBA

DAY ON TEST

**B6C3F1 Mouse Female**  
**30.0 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: 99021-02  
 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: 10/19/2014  
 Time Report Requested: 11:45:17  
 First Dose M/F: NA / NA  
 Lab: MBA

		DAY ON TEST					
<b>B6C3F1 Mouse Female</b>		0	0	0	0	0	
		0	0	0	0	0	
		0	0	0	0	0	
	<b>100 MG/KG</b>	1	1	1	4	8	
		0	0	0	0	0	
	ANIMAL ID	0	0	0	0	0	
		0	0	0	0	0	
		5	5	5	5	6	
		6	7	8	9	0	<b>*TOTALS</b>

**Alimentary System**

Esophagus	+	+	+	+	+	5
Gallbladder	+	+	+	A	+	4
Intestine Large, Cecum	A	A	A	A	A	0
Intestine Large, Colon	A	A	A	A	A	0
Intestine Large, Rectum	+	+	+	+	+	5
Intestine Small, Duodenum	A	A	A	A	A	0
Intestine Small, Ileum	A	A	A	A	A	0
Intestine Small, Jejunum	A	A	A	A	A	0
Liver	+	+	+	+	+	5
Pancreas	+	+	+	+	+	5
Salivary Glands	+	+	+	+	+	5
Stomach, Forestomach	+	+	+	+	+	5
Stomach, Glandular	+	+	+	+	+	5

**Cardiovascular System**

Blood Vessel	+	+	+	+	+	5
Heart	+	+	+	+	+	5

**Endocrine System**

Adrenal Cortex	+	+	+	+	+	5
Adrenal Medulla	+	+	+	+	+	5
Islets, Pancreatic	+	+	+	+	+	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: 99021-02  
 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: 10/19/2014  
 Time Report Requested: 11:45:17  
 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	0	0	0		
	1	1	1	4	8			
	0	0	0	0	0			
	0	0	0	0	0			
	0	0	0	0	0			
	5	5	5	5	6			
	6	7	8	9	0			
							<b>*TOTALS</b>	
Parathyroid Gland	M	M	M	M	M			0
Pituitary Gland	+	+	+	+	I			4
Thyroid Gland	+	+	+	+	+			5
<b>General Body System</b>								
NONE								
<b>Genital System</b>								
Clitoral Gland	+	+	+	+	+			5
Ovary	+	+	+	+	+			5
Uterus	+	+	+	+	+			5
<b>Hematopoietic System</b>								
Bone Marrow	+	+	+	+	+			5
Lymph Node, Mandibular	+	+	+	+	+			5
Lymph Node, Mesenteric	+	+	+	+	+			5
Spleen	+	+	+	+	+			5
Thymus	+	+	+	+	+			5
<b>Integumentary System</b>								
Mammary Gland	+	+	+	+	+			5
Skin	+	+	+	+	+			5
<b>Musculoskeletal System</b>								
Bone	+	+	+	+	+			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: 99021-02

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: 10/19/2014

Time Report Requested: 11:45:17

First Dose M/F: NA / NA

Lab: MBA

B6C3F1 Mouse Female 100 MG/KG	DAY ON TEST					ANIMAL ID	*TOTALS
	0	0	0	0	0		
	0	0	0	0	0	0	
	0	0	0	0	0	0	
	1	1	1	4	8		
	0	0	0	0	0	0	
	0	0	0	0	0	0	
	5	5	5	5	6	6	
	6	7	8	9	9	0	
Skeletal Muscle	+	+	+	+	+		5
<b>Nervous System</b>							
Brain, NOS	+	+	+	+	+		5
Peripheral Nerve, Sciatic	M	+	+	+	+		4
Spinal Cord, Cervical	+	+	+	+	+		5
Spinal Cord, Lumbar	+	+	+	+	+		5
<b>Respiratory System</b>							
Larynx	+	I	+	+	+		4
Lung	+	+	+	+	+		5
Nose	+	+	+	+	+		5
Trachea	+	+	+	+	+		5
<b>Special Senses System</b>							
Eye	+	+	+	+	+		5
Harderian Gland	+	+	+	+	+		5
<b>Urinary System</b>							
Kidney	+	+	+	+	+		5
Urinary Bladder	+	+	M	+	+		4
<b>SYSTEMIC LESIONS</b>							
Multiple Organ	+	+	+	+	+		5

\*\* 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