

**Experiment Number:** 99037 - 02  
**Test Type:** 14-DAY  
**Route:** GAVAGE  
**Species/Strain:** MICE/B6C3F1

**P04: NEOPLASMS BY INDIVIDUAL ANIMAL**  
alpha/beta Thujone mixture  
**CAS Number:** 76231-76-0

**Date Report Requested:** 09/19/2016  
**Time Report Requested:** 15:43:43  
**First Dose M/F:** 05/07/01 / 05/07/01  
**Lab:** MBA

**NTP Study Number:** C99037  
**Lock Date:** 01/24/2002  
**Cage Range:** ALL  
**Date Range:** ALL  
**Reasons For Removal:** ALL  
**Removal Date Range:** ALL  
**Treatment Groups:** Include ALL  
**Study Gender:** Both  
**TDMSE Version:** 3.0.2.3\_002  
**PWG Approval Date:** NONE

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Route: GAVAGE

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First Dose M/F: 05/07/01 / 05/07/01

Lab: MBA

<b>B6C3F1 MICE MALE</b>	DAY ON TEST	0	0	0	0	0
		0	0	0	0	0
		1	1	1	1	1
		8	8	8	8	8
		<hr/>				
<b>VEHICLE CONTROL</b>	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>	

**ALIMENTARY SYSTEM**

Esophagus	+	+	+	+	+	<b>5</b>
Gallbladder	+	+	+	+	+	<b>5</b>
Intestine Large, Cecum	+	+	+	+	+	<b>5</b>
Intestine Large, Colon	+	+	+	+	+	<b>5</b>
Intestine Large, Rectum	+	+	+	+	+	<b>5</b>
Intestine Small, Duodenum	+	+	+	+	+	<b>5</b>
Intestine Small, Ileum	+	+	+	+	+	<b>5</b>
Intestine Small, Jejunum	+	+	+	+	+	<b>5</b>
Liver	+	+	+	+	+	<b>5</b>
Pancreas	+	+	+	+	+	<b>5</b>
Salivary Glands	+	+	+	+	+	<b>5</b>
Stomach, Forestomach	+	+	+	+	+	<b>5</b>
Stomach, Glandular	+	+	+	+	+	<b>5</b>

**CARDIOVASCULAR SYSTEM**

Blood Vessel	+	+	+	+	+	<b>5</b>
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\* .. Total animals with tissue examined microscopically; Total animals with tumor  
+ .. Tissue examined microscopically  
X .. Lesion present  
I .. Insufficient tissue

M .. Missing tissue  
A .. Autolysis precludes evaluation  
BLANK .. Not examined microscopically

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Lab: MBA

B6C3F1 MICE MALE	DAY ON TEST	0	0	0	0	0	
		0	0	0	0	0	
VEHICLE CONTROL	ANIMAL ID	0	0	0	0	0	
		0	0	0	0	0	
		0	0	0	0	0	
		8	8	8	8	8	
		1	2	3	4	5	
							* TOTALS
Heart		+	+	+	+	+	5
<b>ENDOCRINE SYSTEM</b>							
Adrenal Cortex		+	+	+	+	+	5
Adrenal Medulla		+	+	+	+	+	5
Islets, Pancreatic		+	+	+	+	+	5
Parathyroid Gland		M	+	+	M	+	3
Pituitary Gland		+	I	+	M	+	3
Thyroid Gland		+	+	+	I	+	4
<b>GENERAL BODY SYSTEM</b>							
NONE							
<b>GENITAL SYSTEM</b>							
Epididymis		+	+	+	+	+	5
Preputial Gland		+	+	+	+	+	5
Prostate		+	+	+	+	+	5
Seminal Vesicle		+	+	+	+	+	5
Testes		+	+	+	+	+	5

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Lab: MBA

<b>B6C3F1 MICE MALE</b>	DAY ON TEST	0	0	0	0	0
		0	0	0	0	0
		1	1	1	1	1
		8	8	8	8	8
		<hr/>				
<b>VEHICLE CONTROL</b>	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>	

**HEMATOPOIETIC SYSTEM**

Bone Marrow	+	+	+	+	+	<b>5</b>
Lymph Node, Mandibular	+	+	+	+	+	<b>5</b>
Lymph Node, Mesenteric	+	+	+	+	+	<b>5</b>
Spleen	+	+	+	+	+	<b>5</b>
Thymus	M	+	+	+	+	<b>4</b>

**INTEGUMENTARY SYSTEM**

Mammary Gland	M	M	M	M	M	<b>0</b>
Skin	+	+	+	+	+	<b>5</b>

**MUSCULOSKELETAL SYSTEM**

Bone	+	+	I	+	+	<b>4</b>
Skeletal Muscle	+	+	+	+	+	<b>5</b>

**NERVOUS SYSTEM**

Brain, NOS	+	+	+	+	+	<b>5</b>
Peripheral Nerve, Sciatic	+	+	+	+	+	<b>5</b>
Spinal Cord, Cervical	+	+	+	+	+	<b>5</b>

\* .. Total animals with tissue examined microscopically; Total animals with tumor  
+ .. Tissue examined microscopically  
X .. Lesion present  
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First Dose M/F: 05/07/01 / 05/07/01

Lab: MBA

B6C3F1 MICE MALE	DAY ON TEST	0	0	0	0	0	
		0	0	0	0	0	
VEHICLE CONTROL	ANIMAL ID	0	0	0	0	0	
		0	0	0	0	0	
							* TOTALS
Spinal Cord, Lumbar		8	8	8	8	8	5
<b>RESPIRATORY SYSTEM</b>							
Larynx		1	1	1	1	1	0
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

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First Dose M/F: 05/07/01 / 05/07/01

Lab: MBA

DAY ON TEST

**B6C3F1 MICE 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

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First Dose M/F: 05/07/01 / 05/07/01

Lab: MBA

DAY ON TEST

**B6C3F1 MICE MALE**

**1.0 MG/KG**

ANIMAL ID

**\* TOTALS**

**NERVOUS SYSTEM**

NONE

**RESPIRATORY SYSTEM**

NONE

**SPECIAL SENSES SYSTEM**

NONE

**URINARY SYSTEM**

NONE

**SYSTEMIC LESIONS**

Multiple Organ

**0**

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+ .. Tissue examined microscopically  
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M .. Missing tissue  
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First Dose M/F: 05/07/01 / 05/07/01

Lab: MBA

DAY ON TEST

**B6C3F1 MICE 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

\* .. Total animals with tissue examined microscopically; Total animals with tumor  
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X .. Lesion present  
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First Dose M/F: 05/07/01 / 05/07/01

Lab: MBA

DAY ON TEST

**B6C3F1 MICE MALE**

**3.0 MG/KG**

ANIMAL ID

**\* TOTALS**

**NERVOUS SYSTEM**

NONE

**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  
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First Dose M/F: 05/07/01 / 05/07/01

Lab: MBA

DAY ON TEST

**B6C3F1 MICE 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

\* .. Total animals with tissue examined microscopically; Total animals with tumor  
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X .. Lesion present  
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Lab: MBA

DAY ON TEST

**B6C3F1 MICE MALE**

**10.0 MG/KG**

ANIMAL ID

**\* TOTALS**

**NERVOUS SYSTEM**

NONE

**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  
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First Dose M/F: 05/07/01 / 05/07/01

Lab: MBA

<b>B6C3F1 MICE MALE</b>	DAY ON TEST	0	0	0	0	0
		0	0	0	0	0
		1	1	1	1	1
		8	8	8	8	8
		<hr/>				
<b>30.0 MG/KG</b>	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>	

**ALIMENTARY SYSTEM**

Esophagus	+	+	+	+	+	<b>5</b>
Gallbladder	+	+	+	I	+	<b>4</b>
Intestine Large, Cecum	+	+	+	+	+	<b>5</b>
Intestine Large, Colon	+	+	+	+	+	<b>5</b>
Intestine Large, Rectum	+	+	+	+	+	<b>5</b>
Intestine Small, Duodenum	+	+	+	+	+	<b>5</b>
Intestine Small, Ileum	+	+	+	+	+	<b>5</b>
Intestine Small, Jejunum	+	+	+	+	+	<b>5</b>
Liver	+	+	+	+	+	<b>5</b>
Pancreas	+	+	+	+	+	<b>5</b>
Salivary Glands	+	+	+	+	+	<b>5</b>
Stomach, Forestomach	+	+	+	+	+	<b>5</b>
Stomach, Glandular	+	+	+	+	+	<b>5</b>

**CARDIOVASCULAR SYSTEM**

Blood Vessel	M	+	+	+	+	<b>4</b>
--------------	---	---	---	---	---	----------

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First Dose M/F: 05/07/01 / 05/07/01

Lab: MBA

B6C3F1 MICE MALE 30.0 MG/KG	DAY ON TEST	0	0	0	0	0		
	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		
		4	4	4	4	4		
		1	2	3	4	5		
								<b>* TOTALS</b>
Heart		+	+	+	+	+	<b>5</b>	
<b>ENDOCRINE SYSTEM</b>								
Adrenal Cortex		+	+	+	+	+	<b>5</b>	
Adrenal Medulla		+	+	+	+	+	<b>5</b>	
Islets, Pancreatic		+	+	+	+	+	<b>5</b>	
Parathyroid Gland		M	+	M	+	+	<b>3</b>	
Pituitary Gland		+	+	M	+	+	<b>4</b>	
Thyroid Gland		+	+	+	+	+	<b>5</b>	
<b>GENERAL BODY SYSTEM</b>								
NONE								
<b>GENITAL SYSTEM</b>								
Epididymis		+	+	+	+	+	<b>5</b>	
Preputial Gland		+	+	+	+	+	<b>5</b>	
Prostate		+	+	+	+	+	<b>5</b>	
Seminal Vesicle		+	+	+	+	+	<b>5</b>	
Testes		+	+	+	+	+	<b>5</b>	

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<b>B6C3F1 MICE MALE</b>	DAY ON TEST	0	0	0	0	0
		0	0	0	0	0
		1	1	1	1	1
		8	8	8	8	8
		<hr/>				
<b>30.0 MG/KG</b>	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>	

**HEMATOPOIETIC SYSTEM**

Bone Marrow	+	+	+	+	+	<b>5</b>
Lymph Node, Mandibular	+	M	+	M	+	<b>3</b>
Lymph Node, Mesenteric	+	+	+	+	+	<b>5</b>
Spleen	+	+	+	+	+	<b>5</b>
Thymus	+	+	+	+	+	<b>5</b>

**INTEGUMENTARY SYSTEM**

Mammary Gland	M	M	M	M	M	<b>0</b>
Skin	+	+	+	+	+	<b>5</b>

**MUSCULOSKELETAL SYSTEM**

Bone	+	+	+	+	+	<b>5</b>
Skeletal Muscle	+	+	+	+	+	<b>5</b>

**NERVOUS SYSTEM**

Brain, NOS	+	+	+	+	+	<b>5</b>
Peripheral Nerve, Sciatic	+	+	+	+	+	<b>5</b>
Spinal Cord, Cervical	+	+	+	+	+	<b>5</b>

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B6C3F1 MICE MALE 30.0 MG/KG	DAY ON TEST	0	0	0	0	0	
	ANIMAL ID	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	
		4	4	4	4	4	
		1	2	3	4	5	
							<b>* TOTALS</b>
Spinal Cord, Lumbar		+	+	+	+	+	<b>5</b>
<b>RESPIRATORY SYSTEM</b>							
Larynx		+	I	+	+	M	<b>3</b>
Lung		+	+	+	+	+	<b>5</b>
Nose		+	+	+	+	+	<b>5</b>
Trachea		+	+	+	+	+	<b>5</b>
<b>SPECIAL SENSES SYSTEM</b>							
Eye		+	+	+	+	+	<b>5</b>
Harderian Gland		+	+	+	+	+	<b>5</b>
<b>URINARY SYSTEM</b>							
Kidney		+	+	+	+	+	<b>5</b>
Urinary Bladder		+	+	+	+	+	<b>5</b>
<b>SYSTEMIC LESIONS</b>							
Multiple Organ		+	+	+	+	+	<b>5</b>

\* .. Total animals with tissue examined microscopically; Total animals with tumor  
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Lab: MBA

<b>B6C3F1 MICE MALE</b>	DAY ON TEST	0	0	0	0	0
		0	0	0	0	0
		1	1	1	1	1
		5	6	1	0	1
		<hr/>				
<b>100 MG/KG</b>	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	+	+	+	+	+	<b>5</b>
Gallbladder	+	+	A	+	+	<b>4</b>
Intestine Large, Cecum	+	+	+	A	A	<b>3</b>
Intestine Large, Colon	+	+	+	A	+	<b>4</b>
Intestine Large, Rectum	+	+	+	+	+	<b>5</b>
Intestine Small, Duodenum	+	A	+	A	A	<b>2</b>
Intestine Small, Ileum	+	A	+	A	A	<b>2</b>
Intestine Small, Jejunum	+	A	A	A	A	<b>1</b>
Liver	+	+	+	+	+	<b>5</b>
Pancreas	+	+	+	+	+	<b>5</b>
Salivary Glands	+	+	+	A	+	<b>4</b>
Stomach, Forestomach	+	+	+	+	+	<b>5</b>
Stomach, Glandular	+	A	A	A	A	<b>1</b>

**CARDIOVASCULAR SYSTEM**

Blood Vessel	+	+	+	+	+	<b>5</b>
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\* .. Total animals with tissue examined microscopically; Total animals with tumor  
 + .. Tissue examined microscopically  
 X .. Lesion present  
 I .. Insufficient tissue

M .. Missing tissue  
 A .. Autolysis precludes evaluation  
 BLANK .. Not examined microscopically



Experiment Number: 99037 - 02

Test Type: 14-DAY

Route: GAVAGE

Species/Strain: MICE/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

alpha/beta Thujone mixture

CAS Number: 76231-76-0

Date Report Requested: 09/19/2016

Time Report Requested: 15:43:43

First Dose M/F: 05/07/01 / 05/07/01

Lab: MBA

B6C3F1 MICE MALE 100 MG/KG	DAY ON TEST	0	0	0	0	0	
	ANIMAL ID	0	0	0	0	0	
		0	0	0	0	0	
		1	1	1	1	1	
		5	6	1	0	1	
		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>					
Heart		+	+	+	+	+	5
<b>ENDOCRINE SYSTEM</b>							
Adrenal Cortex		+	+	+	+	I	4
Adrenal Medulla		+	+	+	+	M	4
Islets, Pancreatic		+	+	+	+	+	5
Parathyroid Gland		M	+	M	+	+	3
Pituitary Gland		I	+	+	+	+	4
Thyroid Gland		+	+	+	+	+	5
<b>GENERAL BODY SYSTEM</b>							
Tissue NOS		+					1
<b>GENITAL SYSTEM</b>							
Epididymis		+	+	+	+	+	5
Preputial Gland		+	+	+	+	+	5
Prostate		+	+	+	+	+	5
Seminal Vesicle		+	+	+	+	+	5
Testes		+	+	+	+	+	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 - 02

Test Type: 14-DAY

Route: GAVAGE

Species/Strain: MICE/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

alpha/beta Thujone mixture

CAS Number: 76231-76-0

Date Report Requested: 09/19/2016

Time Report Requested: 15:43:43

First Dose M/F: 05/07/01 / 05/07/01

Lab: MBA

<b>B6C3F1 MICE MALE</b>	DAY ON TEST	0	0	0	0	0
		0	0	0	0	0
		1	1	1	1	1
		5	6	1	0	1
		<hr/>				
<b>100 MG/KG</b>	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**

**HEMATOPOIETIC SYSTEM**

Bone Marrow	+	+	+	+	+	<b>5</b>
Lymph Node, Mandibular	+	+	+	A	+	<b>4</b>
Lymph Node, Mesenteric	+	+	+	+	+	<b>5</b>
Spleen	+	+	+	+	+	<b>5</b>
Thymus	+	+	+	+	+	<b>5</b>

**INTEGUMENTARY SYSTEM**

Mammary Gland	M	M	M	M	M	<b>0</b>
Skin	+	+	+	+	+	<b>5</b>

**MUSCULOSKELETAL SYSTEM**

Bone	+	+	+	+	+	<b>5</b>
Skeletal Muscle	+	+	+	+	+	<b>5</b>

**NERVOUS SYSTEM**

Brain, NOS	+	+	+	+	+	<b>5</b>
Peripheral Nerve, Sciatic	+	+	+	+	+	<b>5</b>
Spinal Cord, Cervical	+	+	+	+	+	<b>5</b>

\* .. 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 - 02

Test Type: 14-DAY

Route: GAVAGE

Species/Strain: MICE/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

alpha/beta Thujone mixture

CAS Number: 76231-76-0

Date Report Requested: 09/19/2016

Time Report Requested: 15:43:43

First Dose M/F: 05/07/01 / 05/07/01

Lab: MBA

B6C3F1 MICE MALE 100 MG/KG	DAY ON TEST	0	0	0	0	0	
	ANIMAL ID	0	0	0	0	0	
		0	0	0	0	0	
		1	1	1	1	1	
		5	6	1	0	1	
		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>
Spinal Cord, Lumbar		+	+	+	+	+	<b>5</b>
<b>RESPIRATORY SYSTEM</b>							
Larynx		M	I	I	I	I	<b>0</b>
Lung		+	+	+	+	+	<b>5</b>
Nose		+	+	A	+	+	<b>4</b>
Trachea		+	+	+	+	+	<b>5</b>
<b>SPECIAL SENSES SYSTEM</b>							
Eye		+	+	+	+	+	<b>5</b>
Harderian Gland		+	+	+	+	+	<b>5</b>
<b>URINARY SYSTEM</b>							
Kidney		+	+	+	+	+	<b>5</b>
Urinary Bladder		+	+	+	+	+	<b>5</b>
<b>SYSTEMIC LESIONS</b>							
Multiple Organ		+	+	+	+	+	<b>5</b>

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

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

M .. Missing tissue  
A .. Autolysis precludes evaluation  
BLANK .. Not examined microscopically

Experiment Number: 99037 - 02

Test Type: 14-DAY

Route: GAVAGE

Species/Strain: MICE/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

alpha/beta Thujone mixture

CAS Number: 76231-76-0

Date Report Requested: 09/19/2016

Time Report Requested: 15:43:43

First Dose M/F: 05/07/01 / 05/07/01

Lab: MBA

<b>B6C3F1 MICE FEMALE</b>	DAY ON TEST	0	0	0	0	0
		0	0	0	0	0
		1	1	1	1	1
		8	8	8	8	8
		<hr/>				
<b>VEHICLE CONTROL</b>	ANIMAL ID	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
		<b>* TOTALS</b>				

**ALIMENTARY SYSTEM**

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

**CARDIOVASCULAR SYSTEM**

Blood Vessel	+	+	+	+	+	<b>5</b>
--------------	---	---	---	---	---	----------

\* .. 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 - 02

Test Type: 14-DAY

Route: GAVAGE

Species/Strain: MICE/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

alpha/beta Thujone mixture

CAS Number: 76231-76-0

Date Report Requested: 09/19/2016

Time Report Requested: 15:43:43

First Dose M/F: 05/07/01 / 05/07/01

Lab: MBA

B6C3F1 MICE FEMALE	DAY ON TEST	0	0	0	0	0	VEHICLE CONTROL	ANIMAL ID	0	0	0	0	0	* TOTALS
		0	0	0	0	0			0	0	0	0	0	
		1	1	1	1	1			0	0	0	0	0	
		8	8	8	8	8			0	0	0	0	0	
		6	7	8	9	0								
Heart		+	+	+	+	+								5
<b>ENDOCRINE SYSTEM</b>														
Adrenal Cortex		+	+	+	+	+								5
Adrenal Medulla		+	+	+	+	+								5
Islets, Pancreatic		+	+	+	+	+								5
Parathyroid Gland		+	+	M	M	+								3
Pituitary Gland		+	+	+	+	+								5
Thyroid Gland		+	+	+	+	+								5
<b>GENERAL BODY SYSTEM</b>														
NONE														
<b>GENITAL SYSTEM</b>														
Clitoral Gland		+	+	+	+	M								4
Ovary		+	+	+	+	+								5
Uterus		+	+	+	+	+								5
<b>HEMATOPOIETIC SYSTEM</b>														
Bone Marrow		+	+	+	+	+								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 - 02

Test Type: 14-DAY

Route: GAVAGE

Species/Strain: MICE/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

alpha/beta Thujone mixture

CAS Number: 76231-76-0

Date Report Requested: 09/19/2016

Time Report Requested: 15:43:43

First Dose M/F: 05/07/01 / 05/07/01

Lab: MBA

B6C3F1 MICE FEMALE	DAY ON TEST	0	0	0	0	0	
		0	0	0	0	0	
		1	1	1	1	1	
		8	8	8	8	8	
VEHICLE CONTROL	ANIMAL ID	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	
							<b>* TOTALS</b>

Lymph Node, Mandibular	+	+	+	+	+		<b>5</b>
Lymph Node, Mesenteric	+	+	+	+	+		<b>5</b>
Spleen	+	+	+	+	+		<b>5</b>
Thymus	+	+	+	+	+		<b>5</b>

**INTEGUMENTARY SYSTEM**

Mammary Gland	+	+	+	+	+		<b>5</b>
Skin	+	+	+	+	+		<b>5</b>

**MUSCULOSKELETAL SYSTEM**

Bone	+	+	+	+	+		<b>5</b>
Skeletal Muscle	+	+	+	+	+		<b>5</b>

**NERVOUS SYSTEM**

Brain, NOS	+	+	+	+	+		<b>5</b>
Peripheral Nerve, Sciatic	+	+	+	+	+		<b>5</b>
Spinal Cord, Cervical	+	+	+	+	+		<b>5</b>
Spinal Cord, Lumbar	+	+	+	+	+		<b>5</b>

**RESPIRATORY SYSTEM**

\* .. 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 - 02

Test Type: 14-DAY

Route: GAVAGE

Species/Strain: MICE/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

alpha/beta Thujone mixture

CAS Number: 76231-76-0

Date Report Requested: 09/19/2016

Time Report Requested: 15:43:43

First Dose M/F: 05/07/01 / 05/07/01

Lab: MBA

B6C3F1 MICE FEMALE	DAY ON TEST	0	0	0	0	0	
		0	0	0	0	0	
VEHICLE CONTROL	ANIMAL ID	0	0	0	0	0	
		0	0	0	0	0	
							* TOTALS
Larynx		+	I	I	I	I	1
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: 99037 - 02

Test Type: 14-DAY

Route: GAVAGE

Species/Strain: MICE/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

alpha/beta Thujone mixture

CAS Number: 76231-76-0

Date Report Requested: 09/19/2016

Time Report Requested: 15:43:43

First Dose M/F: 05/07/01 / 05/07/01

Lab: MBA

DAY ON TEST

**B6C3F1 MICE 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

\* .. 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 - 02

Test Type: 14-DAY

Route: GAVAGE

Species/Strain: MICE/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

alpha/beta Thujone mixture

CAS Number: 76231-76-0

Date Report Requested: 09/19/2016

Time Report Requested: 15:43:43

First Dose M/F: 05/07/01 / 05/07/01

Lab: MBA

DAY ON TEST

**B6C3F1 MICE FEMALE**

**1.0 MG/KG**

ANIMAL ID

**\* TOTALS**

**NERVOUS SYSTEM**

NONE

**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: 99037 - 02

Test Type: 14-DAY

Route: GAVAGE

Species/Strain: MICE/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

alpha/beta Thujone mixture

CAS Number: 76231-76-0

Date Report Requested: 09/19/2016

Time Report Requested: 15:43:43

First Dose M/F: 05/07/01 / 05/07/01

Lab: MBA

DAY ON TEST

**B6C3F1 MICE 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

\* .. 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 - 02

Test Type: 14-DAY

Route: GAVAGE

Species/Strain: MICE/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

alpha/beta Thujone mixture

CAS Number: 76231-76-0

Date Report Requested: 09/19/2016

Time Report Requested: 15:43:43

First Dose M/F: 05/07/01 / 05/07/01

Lab: MBA

DAY ON TEST

**B6C3F1 MICE FEMALE**

**3.0 MG/KG**

ANIMAL ID

**\* TOTALS**

**NERVOUS SYSTEM**

NONE

**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: 99037 - 02

Test Type: 14-DAY

Route: GAVAGE

Species/Strain: MICE/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

alpha/beta Thujone mixture

CAS Number: 76231-76-0

Date Report Requested: 09/19/2016

Time Report Requested: 15:43:43

First Dose M/F: 05/07/01 / 05/07/01

Lab: MBA

DAY ON TEST

**B6C3F1 MICE 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

\* .. 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 - 02

Test Type: 14-DAY

Route: GAVAGE

Species/Strain: MICE/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

alpha/beta Thujone mixture

CAS Number: 76231-76-0

Date Report Requested: 09/19/2016

Time Report Requested: 15:43:43

First Dose M/F: 05/07/01 / 05/07/01

Lab: MBA

DAY ON TEST

**B6C3F1 MICE FEMALE**

**10.0 MG/KG**

ANIMAL ID

**\* TOTALS**

**NERVOUS SYSTEM**

NONE

**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: 99037 - 02

Test Type: 14-DAY

Route: GAVAGE

Species/Strain: MICE/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

alpha/beta Thujone mixture

CAS Number: 76231-76-0

Date Report Requested: 09/19/2016

Time Report Requested: 15:43:43

First Dose M/F: 05/07/01 / 05/07/01

Lab: MBA

DAY ON TEST

**B6C3F1 MICE 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

\* .. 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 - 02

Test Type: 14-DAY

Route: GAVAGE

Species/Strain: MICE/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

alpha/beta Thujone mixture

CAS Number: 76231-76-0

Date Report Requested: 09/19/2016

Time Report Requested: 15:43:43

First Dose M/F: 05/07/01 / 05/07/01

Lab: MBA

DAY ON TEST

**B6C3F1 MICE FEMALE**

**30.0 MG/KG**

ANIMAL ID

**\* TOTALS**

**NERVOUS SYSTEM**

NONE

**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: 99037 - 02

Test Type: 14-DAY

Route: GAVAGE

Species/Strain: MICE/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

alpha/beta Thujone mixture

CAS Number: 76231-76-0

Date Report Requested: 09/19/2016

Time Report Requested: 15:43:43

First Dose M/F: 05/07/01 / 05/07/01

Lab: MBA

<b>B6C3F1 MICE FEMALE</b>	DAY ON TEST	0	0	0	0	0
		0	0	0	0	0
		1	1	1	1	1
		1	6	8	8	8
<b>100 MG/KG</b>	ANIMAL ID	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>				

**ALIMENTARY SYSTEM**

Esophagus	+	+	+	+	+	<b>5</b>
Gallbladder	A	+	+	+	+	<b>4</b>
Intestine Large, Cecum	A	A	+	+	+	<b>3</b>
Intestine Large, Colon	+	+	+	+	+	<b>5</b>
Intestine Large, Rectum	+	+	+	+	+	<b>5</b>
Intestine Small, Duodenum	A	A	+	+	+	<b>3</b>
Intestine Small, Ileum	A	A	+	+	+	<b>3</b>
Intestine Small, Jejunum	A	A	+	+	+	<b>3</b>
Liver	+	+	+	+	+	<b>5</b>
Pancreas	+	+	+	+	+	<b>5</b>
Salivary Glands	+	A	+	+	+	<b>4</b>
Stomach, Forestomach	+	+	+	+	+	<b>5</b>
Stomach, Glandular	A	A	+	+	+	<b>3</b>

**CARDIOVASCULAR SYSTEM**

Blood Vessel	+	+	+	+	+	<b>5</b>
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M .. Missing tissue  
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Experiment Number: 99037 - 02

Test Type: 14-DAY

Route: GAVAGE

Species/Strain: MICE/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

alpha/beta Thujone mixture

CAS Number: 76231-76-0

Date Report Requested: 09/19/2016

Time Report Requested: 15:43:43

First Dose M/F: 05/07/01 / 05/07/01

Lab: MBA

B6C3F1 MICE FEMALE 100 MG/KG	DAY ON TEST	0	0	0	0	0		
	ANIMAL ID	0	0	0	0	0		
		0	0	0	0	0		
		1	1	1	1	1		
		1	6	8	8	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>
Heart		+	+	+	+	+	<b>5</b>	
<b>ENDOCRINE SYSTEM</b>								
Adrenal Cortex		+	+	+	+	+	<b>5</b>	
Adrenal Medulla		+	M	+	+	+	<b>4</b>	
Islets, Pancreatic		+	+	+	+	+	<b>5</b>	
Parathyroid Gland		+	+	+	+	+	<b>5</b>	
Pituitary Gland		+	I	+	+	+	<b>4</b>	
Thyroid Gland		+	+	+	+	+	<b>5</b>	
<b>GENERAL BODY SYSTEM</b>								
NONE								
<b>GENITAL SYSTEM</b>								
Clitoral Gland		+	+	+	M	+	<b>4</b>	
Ovary		+	+	+	+	+	<b>5</b>	
Uterus		+	A	+	+	+	<b>4</b>	
<b>HEMATOPOIETIC SYSTEM</b>								
Bone Marrow		+	+	+	+	+	<b>5</b>	

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	ANIMAL ID	0	0	0	0	0	
		0	0	0	0	0	
		1	1	1	1	1	
		1	6	8	8	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>
Lymph Node, Mandibular		+	+	+	+	+	<b>5</b>
Lymph Node, Mesenteric		+	+	+	+	+	<b>5</b>
Spleen		+	+	+	+	+	<b>5</b>
Thymus		+	+	+	+	+	<b>5</b>
<b>INTEGUMENTARY SYSTEM</b>							
Mammary Gland		+	+	+	+	+	<b>5</b>
Skin		+	+	+	+	+	<b>5</b>
<b>MUSCULOSKELETAL SYSTEM</b>							
Bone		+	+	+	+	+	<b>5</b>
Skeletal Muscle		+	+	+	+	+	<b>5</b>
<b>NERVOUS SYSTEM</b>							
Brain, NOS		+	+	+	+	+	<b>5</b>
Peripheral Nerve, Sciatic		+	+	+	+	+	<b>5</b>
Spinal Cord, Cervical		+	+	+	+	+	<b>5</b>
Spinal Cord, Lumbar		+	+	+	+	+	<b>5</b>
<b>RESPIRATORY SYSTEM</b>							

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Test Type: 14-DAY

Route: GAVAGE

Species/Strain: MICE/B6C3F1

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	ANIMAL ID	0	0	0	0	0	
		0	0	0	0	0	
		1	1	1	1	1	
		1	6	8	8	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>					
Larynx		+	+	+	M	M	<b>3</b>
Lung		+	+	+	+	+	<b>5</b>
Nose		+	+	+	+	+	<b>5</b>
Trachea		+	+	+	+	+	<b>5</b>
<b>SPECIAL SENSES SYSTEM</b>							
Eye		+	+	+	+	+	<b>5</b>
Harderian Gland		+	+	+	+	+	<b>5</b>
<b>URINARY SYSTEM</b>							
Kidney		+	+	+	+	+	<b>5</b>
Urinary Bladder		+	+	+	+	+	<b>5</b>
<b>SYSTEMIC LESIONS</b>							
Multiple Organ		+	+	+	+	+	<b>5</b>

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

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