

Experiment Number: 99037 - 02

Test Type: 14-DAY

Route: GAVAGE

Species/Strain: MICE/B6C3F1

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

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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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
		1	1	1	1	1
		8	8	8	8	8
		<hr/>				
VEHICLE CONTROL	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
					* TOTALS	

ALIMENTARY SYSTEM

Esophagus	+	+	+	+	+	5
Gallbladder	+	+	+	+	+	5
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
--------------	---	---	---	---	---	----------

* .. 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	
		0	0	0	0	0	
		0	0	0	0	0	
		0	0	0	0	0	
		1	2	3	4	5	
							* TOTALS
Heart		+	+	+	+	+	5
ENDOCRINE SYSTEM							
Adrenal Cortex		+	+	+	+	+	5
Adrenal Medulla		+	+	+	+	+	5
Islets, Pancreatic		+	+	+	+	+	5
Parathyroid Gland		M	+	+	M	+	3
Pituitary Gland		+	I	+	M	+	3
Thyroid Gland		+	+	+	I	+	4
GENERAL BODY SYSTEM							
NONE							
GENITAL SYSTEM							
Epididymis		+	+	+	+	+	5
Preputial Gland		+	+	+	+	+	5
Prostate		+	+	+	+	+	5
Seminal Vesicle		+	+	+	+	+	5
Testes		+	+	+	+	+	5

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Lab: MBA

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

HEMATOPOIETIC SYSTEM

Bone Marrow	+	+	+	+	+	5
Lymph Node, Mandibular	+	+	+	+	+	5
Lymph Node, Mesenteric	+	+	+	+	+	5
Spleen	+	+	+	+	+	5
Thymus	M	+	+	+	+	4

INTEGUMENTARY SYSTEM

Mammary Gland	M	M	M	M	M	0
Skin	+	+	+	+	+	5

MUSCULOSKELETAL SYSTEM

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

NERVOUS SYSTEM

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

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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	
							* TOTALS
Spinal Cord, Lumbar		8	8	8	8	8	5
RESPIRATORY SYSTEM							
Larynx		1	1	1	1	1	0
Lung		+	+	+	+	+	5
Nose		+	+	+	+	+	5
Trachea		+	+	+	+	+	5
SPECIAL SENSES SYSTEM							
Eye		+	+	+	+	+	5
Harderian Gland		+	+	+	+	+	5
URINARY SYSTEM							
Kidney		+	+	+	+	+	5
Urinary Bladder		+	+	+	+	+	5
SYSTEMIC LESIONS							
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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Time Report Requested: 15:43:43

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
+ .. Tissue examined microscopically
X .. Lesion present
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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**

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
X .. Lesion present
I .. Insufficient tissue

M .. Missing tissue
A .. Autolysis precludes evaluation
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Time Report Requested: 15:43:43

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
+ .. Tissue examined microscopically
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

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Lab: MBA

B6C3F1 MICE MALE	DAY ON TEST	0	0	0	0	0
		0	0	0	0	0
		1	1	1	1	1
		8	8	8	8	8
		<hr/>				
30.0 MG/KG	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	+	+	+	I	+	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	M	+	+	+	+	4
--------------	---	---	---	---	---	----------

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Time Report Requested: 15:43:43

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	
		* TOTALS					
Heart		+	+	+	+	+	5
ENDOCRINE SYSTEM							
Adrenal Cortex		+	+	+	+	+	5
Adrenal Medulla		+	+	+	+	+	5
Islets, Pancreatic		+	+	+	+	+	5
Parathyroid Gland		M	+	M	+	+	3
Pituitary Gland		+	+	M	+	+	4
Thyroid Gland		+	+	+	+	+	5
GENERAL BODY SYSTEM							
NONE							
GENITAL SYSTEM							
Epididymis		+	+	+	+	+	5
Preputial Gland		+	+	+	+	+	5
Prostate		+	+	+	+	+	5
Seminal Vesicle		+	+	+	+	+	5
Testes		+	+	+	+	+	5

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Lab: MBA

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

HEMATOPOIETIC SYSTEM

Bone Marrow	+	+	+	+	+	5
Lymph Node, Mandibular	+	M	+	M	+	3
Lymph Node, Mesenteric	+	+	+	+	+	5
Spleen	+	+	+	+	+	5
Thymus	+	+	+	+	+	5

INTEGUMENTARY SYSTEM

Mammary Gland	M	M	M	M	M	0
Skin	+	+	+	+	+	5

MUSCULOSKELETAL SYSTEM

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

NERVOUS SYSTEM

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

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

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	
							* TOTALS
Spinal Cord, Lumbar		+	+	+	+	+	5
RESPIRATORY SYSTEM							
Larynx		+	I	+	+	M	3
Lung		+	+	+	+	+	5
Nose		+	+	+	+	+	5
Trachea		+	+	+	+	+	5
SPECIAL SENSES SYSTEM							
Eye		+	+	+	+	+	5
Harderian Gland		+	+	+	+	+	5
URINARY SYSTEM							
Kidney		+	+	+	+	+	5
Urinary Bladder		+	+	+	+	+	5
SYSTEMIC LESIONS							
Multiple Organ		+	+	+	+	+	5

* .. Total animals with tissue examined microscopically; Total animals with tumor
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B6C3F1 MICE MALE	DAY ON TEST	0	0	0	0	0
		0	0	0	0	0
		1	1	1	1	1
		5	6	1	0	1
		<hr/>				
100 MG/KG	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**

ALIMENTARY SYSTEM

Esophagus	+	+	+	+	+	5
Gallbladder	+	+	A	+	+	4
Intestine Large, Cecum	+	+	+	A	A	3
Intestine Large, Colon	+	+	+	A	+	4
Intestine Large, Rectum	+	+	+	+	+	5
Intestine Small, Duodenum	+	A	+	A	A	2
Intestine Small, Ileum	+	A	+	A	A	2
Intestine Small, Jejunum	+	A	A	A	A	1
Liver	+	+	+	+	+	5
Pancreas	+	+	+	+	+	5
Salivary Glands	+	+	+	A	+	4
Stomach, Forestomach	+	+	+	+	+	5
Stomach, Glandular	+	A	A	A	A	1

CARDIOVASCULAR SYSTEM

Blood Vessel	+	+	+	+	+	5
--------------	---	---	---	---	---	----------

* .. Total animals with tissue examined microscopically; Total animals with tumor
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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	
							* TOTALS
Heart		+	+	+	+	+	5
ENDOCRINE SYSTEM							
Adrenal Cortex		+	+	+	+	I	4
Adrenal Medulla		+	+	+	+	M	4
Islets, Pancreatic		+	+	+	+	+	5
Parathyroid Gland		M	+	M	+	+	3
Pituitary Gland		I	+	+	+	+	4
Thyroid Gland		+	+	+	+	+	5
GENERAL BODY SYSTEM							
Tissue NOS		+					1
GENITAL SYSTEM							
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

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

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	DAY ON TEST	0	0	0	0	0
		0	0	0	0	0
		1	1	1	1	1
		5	6	1	0	1
		<hr/>				
100 MG/KG	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	+	+	+	+	+	5
Lymph Node, Mandibular	+	+	+	A	+	4
Lymph Node, Mesenteric	+	+	+	+	+	5
Spleen	+	+	+	+	+	5
Thymus	+	+	+	+	+	5

INTEGUMENTARY SYSTEM

Mammary Gland	M	M	M	M	M	0
Skin	+	+	+	+	+	5

MUSCULOSKELETAL SYSTEM

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

NERVOUS SYSTEM

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

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

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		
								* TOTALS
Spinal Cord, Lumbar		+	+	+	+	+		5
RESPIRATORY SYSTEM								
Larynx		M	I	I	I	I		0
Lung		+	+	+	+	+		5
Nose		+	+	A	+	+		4
Trachea		+	+	+	+	+		5
SPECIAL SENSES SYSTEM								
Eye		+	+	+	+	+		5
Harderian Gland		+	+	+	+	+		5
URINARY SYSTEM								
Kidney		+	+	+	+	+		5
Urinary Bladder		+	+	+	+	+		5
SYSTEMIC LESIONS								
Multiple Organ		+	+	+	+	+		5

*** 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

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

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

* .. 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

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

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
Heart		8	8	8	8	8	5
ENDOCRINE SYSTEM							
Adrenal Cortex		+	+	+	+	+	5
Adrenal Medulla		+	+	+	+	+	5
Islets, Pancreatic		+	+	+	+	+	5
Parathyroid Gland		+	+	M	M	+	3
Pituitary Gland		+	+	+	+	+	5
Thyroid Gland		+	+	+	+	+	5
GENERAL BODY SYSTEM							
NONE							
GENITAL SYSTEM							
Clitoral Gland		+	+	+	+	M	4
Ovary		+	+	+	+	+	5
Uterus		+	+	+	+	+	5
HEMATOPOIETIC SYSTEM							
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

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

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
Lymph Node, Mandibular		+	+	+	+	+	5
Lymph Node, Mesenteric		+	+	+	+	+	5
Spleen		+	+	+	+	+	5
Thymus		+	+	+	+	+	5
INTEGUMENTARY SYSTEM							
Mammary Gland		+	+	+	+	+	5
Skin		+	+	+	+	+	5
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							

* .. 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

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

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		+					1
Lung		+	+	+	+	+	5
Nose		+	+	+	+	+	5
Trachea		+	+	+	+	+	5
SPECIAL SENSES SYSTEM							
Eye		+	+	+	+	+	5
Harderian Gland		+	+	+	+	+	5
URINARY SYSTEM							
Kidney		+	+	+	+	+	5
Urinary Bladder		+	+	+	+	+	5
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: 99037 - 02

Test Type: 14-DAY

Route: GAVAGE

Species/Strain: MICE/B6C3F1

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

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

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

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

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

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

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

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

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

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

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

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

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

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

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

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

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

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
		1	6	8	8	8
100 MG/KG	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
		* TOTALS				

ALIMENTARY SYSTEM

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

CARDIOVASCULAR SYSTEM

Blood Vessel	+	+	+	+	+	5
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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

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

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	
							* TOTALS
Heart		+	+	+	+	+	5
ENDOCRINE SYSTEM							
Adrenal Cortex		+	+	+	+	+	5
Adrenal Medulla		+	M	+	+	+	4
Islets, Pancreatic		+	+	+	+	+	5
Parathyroid Gland		+	+	+	+	+	5
Pituitary Gland		+	I	+	+	+	4
Thyroid Gland		+	+	+	+	+	5
GENERAL BODY SYSTEM							
NONE							
GENITAL SYSTEM							
Clitoral Gland		+	+	+	M	+	4
Ovary		+	+	+	+	+	5
Uterus		+	A	+	+	+	4
HEMATOPOIETIC SYSTEM							
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

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

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	
							* TOTALS
Lymph Node, Mandibular		+	+	+	+	+	5
Lymph Node, Mesenteric		+	+	+	+	+	5
Spleen		+	+	+	+	+	5
Thymus		+	+	+	+	+	5
INTEGUMENTARY SYSTEM							
Mammary Gland		+	+	+	+	+	5
Skin		+	+	+	+	+	5
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							

* .. 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

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

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			
									* TOTALS
Larynx		+	+	+	M	M		3	
Lung		+	+	+	+	+		5	
Nose		+	+	+	+	+		5	
Trachea		+	+	+	+	+		5	
SPECIAL SENSES SYSTEM									
Eye		+	+	+	+	+		5	
Harderian Gland		+	+	+	+	+		5	
URINARY SYSTEM									
Kidney		+	+	+	+	+		5	
Urinary Bladder		+	+	+	+	+		5	
SYSTEMIC LESIONS									
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