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

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

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

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

# alpha/beta Thujone mixture **CAS Number:** 76231-76-0

B6C3F1 MICE MALE	DAY ON TEST	0 0 1 8	0 0 1 8	0 0 1 8	0 0 1 8	0 0 1 8			
/EHICLE CONTROL	ANIMAL ID	0 0 0 0 1	0 0 0 0 2	0 0 0 0 3	0 0 0 0 4	0 0 0 0 5			* TOTALS
	И								
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 S	YSTEM		-						
Blood Vessel		+	+	+	+	+			5
* Total animals wi + Tissue examined X Lesion present I Insufficient tissue		roscop	vically	∕; Tot	al ani	mals with tumc		M Missing tissue A Autolysis precludes BLANK Not examined micr	

### 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 1 8	0 0 1 8	0 0 1 8	0 0 1 8	0 0 1 8	_
VEHICLE CONTROL	ANIMAL ID	0 0 0 0 1	0 0 0 0 2	0 0 0 0 3	0 0 0 0 4	0 0 0 0 5	* TOTALS
Heart		+	+	+	+	+	5
ENDOCRINE SYSTEM							
Adrenal Cortex		+	+	+	+	+	5
Adrenal Medulla		+	+	+	+	+	5
Islets, Pancreatic		+	+	+	+	+	5
Parathyroid Gland		М	+	+	М	+	3
Pituitary Gland		+	I	+	М	+	3
Thyroid Gland		+	+	+		+	4

## **GENERAL BODY SYSTEM**

NONE

## **GENITAL SYSTEM**

* Total animals with tissue	examined microscopically; Total animals with tumor	M Missing tissue	
Testes	+ + + + +		5
Seminal Vesicle	+ + + + +		5
Prostate	+ + + + +		5
Preputial Gland	+ + + + +		5
Epididymis	+ + + + +		5

+ .. Tissue examined microscopically

X .. Lesion present

I .. Insufficient tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

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

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

		-	1	-		-		
B6C3F1 MICE MALE	DAY ON TEST	0 0 1 8	0 0 1 8	0 0 1 8	0 0 1 8	0 0 1 8		
VEHICLE CONTROL	ANIMAL ID	0 0 0 0 1	0 0 0 0 2	0 0 0 0 3	0 0 0 0 4	0 0 0 0 5		* TOTALS
								TOTALS
HEMATOPOIETIC SYS	TEM							
Bone Marrow		+	+	+	+	+		5
Lymph Node, Mandibular		+	+	+	+	+		5
Lymph Node, Mesenteric		+	+	+	+	+		5
Spleen		+	+	+	+	+		5
Thymus		М	+	+	+	+		4
INTEGUMENTARY SYS	БТЕМ							
Mammary Gland		М	М	М	М	М		0
Skin		+	+	+	+	+		5
MUSCULOSKELETAL	SYSTEM							
Bone		+	+	I	+	+		4
Skeletal Muscle		+	+	+	+	+		5
NERVOUS SYSTEM								
Brain, NOS		+	+	+	+	+		5
Peripheral Nerve, Sciatic		+	+	+	+	+		5
Spinal Cord, Cervical		+	+	+	+	+		5
* Total animals with + Tissue examined X Lesion present I Insufficient tissue		oscop	vically	/; Tota	al ani	mals	with tumor M Missing tissue A Autolysis precludes evaluation BLANK Not examined microscopically	

### 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	0	0	0	0	00	
B6C3F1 MICE MALE		1 8	1 8	1 8	1 8	1 8	
VEHICLE CONTROL	ANIMAL ID	0 0 0 0 1	0 0 0 2	0 0 0 0 3	0 0 0 4	0 0 0 0 5	* TOTALS
Spinal Cord, Lumbar		+	+	+	+	+	5
RESPIRATORY SYSTE	EM			-		-	
Larynx		I	Ι	I	Ι	I	0
Lung		+	+	+	+	+	5
Nose		+	+	+	+	+	5
Trachea		+	+	+	+	+	5
SPECIAL SENSES SYS	STEM						
Eye		+	+	+	+	+	5
Harderian Gland		+	+	+	+	+	5
URINARY SYSTEM							
Kidney		+	+	+	+	+	5
Urinary Bladder		+	+	+	+	+	 5
SYSTEMIC LESIONS							
Multiple Organ		+	+	+	+	+	5

 $^{\ast}$  .. Total animals with tissue examined microscopically; Total animals with tumor

+ .. Tissue examined microscopically

X .. Lesion present

I .. Insufficient tissue

Experiment Number: 99037 - 02 Fest 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 MALE 1.0 MG/KG	-				
	ANIMAL ID				
			* TOTALS		
ALIMENTARY SYSTEM					
NONE					
CARDIOVASCULAR SY	STEM				
NONE					
ENDOCRINE SYSTEM					
NONE					
GENERAL BODY SYST	EM				
NONE					
GENITAL SYSTEM					
NONE					
HEMATOPOIETIC SYST	EM				
NONE					
INTEGUMENTARY SYS	TEM				
NONE					
MUSCULOSKELETAL S	SYSTEM				
NONE					

+ .. Tissue examined microscopically

X .. Lesion present

I .. Insufficient tissue

Experiment Number: 99037 - 02 Test Type: 14-DAY Route: GAVAGE Species/Strain: MICE/B6C3F1	2	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 MALE	-		
1.0 MG/KG	ANIMAL ID		
			* TOTALS
NERVOUS SYSTEM			
NONE			
RESPIRATORY SYSTE	Μ		
NONE			
SPECIAL SENSES SYS	TEM		
NONE			
URINARY SYSTEM			
NONE			
SYSTEMIC LESIONS			
Multiple Organ	_		0

+ .. Tissue examined microscopically

X .. Lesion present

I .. Insufficient tissue

Experiment Number: 99037 - 02 Fest 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		
	Y ON TEST		·····		
B6C3F1 MICE MALE 3.0 MG/KG	_				
	ANIMAL ID				
			* TOTALS		
ALIMENTARY SYSTEM					
NONE					
CARDIOVASCULAR SYSTE	М				
NONE					
ENDOCRINE SYSTEM					
NONE					
GENERAL BODY SYSTEM					
NONE					
GENITAL SYSTEM					
NONE					
HEMATOPOIETIC SYSTEM					
NONE					
INTEGUMENTARY SYSTEM	l				
NONE					
MUSCULOSKELETAL SYST	EM				
NONE					

+ .. Tissue examined microscopically

X .. Lesion present

I .. Insufficient tissue

Experiment Number: 99037 - 0. Test Type: 14-DAY Route: GAVAGE Species/Strain: MICE/B6C3F1	2	P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED) alpha/beta Thujone mixture CAS Number: 76231-76-0	Date Report Requested Time Report Requeste First Dose M/F: 05/07/0 Lab: MBA	<b>d:</b> 15:43:43
	DAY ON TEST			
B6C3F1 MICE MALE 3.0 MG/KG	-			
5.0 MG/RG	ANIMAL ID			
				* TOTALS
NERVOUS SYSTEM			· · · · · ·	
NONE				
RESPIRATORY SYSTE	Μ			
NONE				
SPECIAL SENSES SYS	TEM			
NONE				
URINARY SYSTEM				
NONE				
SYSTEMIC LESIONS				
Multiple Organ				0

+ .. Tissue examined microscopically

X .. Lesion present

I .. Insufficient tissue

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 TE	ST			
B6C3F1 MICE MALE 10.0 MG/KG				
ANIMAI	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				

+ .. Tissue examined microscopically

X .. Lesion present

I .. Insufficient tissue

Experiment Number: 99037 - 0 Test Type: 14-DAY Route: GAVAGE Species/Strain: MICE/B6C3F1	2	P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED) alpha/beta Thujone mixture CAS Number: 76231-76-0	Date Report Request Time Report Reques First Dose M/F: 05/07 Lab: MBA	ted: 15:43:43
	DAY ON TEST			
B6C3F1 MICE MALE 10.0 MG/KG	-			
	ANIMAL ID			
				* TOTALS
NERVOUS SYSTEM				
NONE				
RESPIRATORY SYSTE	M			
NONE				
SPECIAL SENSES SYS	TEM			
NONE				
URINARY SYSTEM				
NONE				
SYSTEMIC LESIONS				
Multiple Organ				0

+ .. Tissue examined microscopically

X .. Lesion present

I .. Insufficient tissue

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

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

B6C3F1 MICE MALE	DAY ON TEST	0 0 1 8	0 0 1 8	0 0 1 8	0 0 1 8	0 0 1 8		
30.0 MG/KG	ANIMAL ID	0 0 0 4 1	0 0 0 4 2	0 0 0 4 3	0 0 0 4 4	0 0 0 4 5	*	TOTALS
LIMENTARY SYSTEM	Λ							
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 S	YSTEM							
Blood Vessel		М	+	+	+	+		4
* Total animals wit + Tissue examined X Lesion present I Insufficient tissue		oscop	bically	y; Tot	al ani	mals with tumor	M Missing tissue A Autolysis precludes evaluation BLANK Not examined microscopically	

### 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 30.0 MG/KG	DAY ON TEST ANIMAL ID	0 0 1 8 0 0 0	0 0 1 8 0 0 0	0 0 1 8 0 0 0	0 0 1 8 0 0 0	0 0 1 8 0 0 0	-
		4 1	4 2	4 3	4 4	4 5	* TOTALS
Heart		+	+	+	+	+	5
ENDOCRINE SYSTEM							
Adrenal Cortex		+	+	+	+	+	5
Adrenal Medulla		+	+	+	+	+	5
Islets, Pancreatic		+	+	+	+	+	5
Parathyroid Gland		М	+	М	+	+	3
Pituitary Gland		+	+	М	+	+	4
Thyroid Gland		+	+	+	+	+	5

## **GENERAL BODY SYSTEM**

NONE

## **GENITAL SYSTEM**

Preputial Gland++++Prostate++++Seminal Vesicle++++Testes++++	
Prostate + + + + +	5
·	5
Preputial Gland + + + + +	5
	5
Epididymis + + + + +	5

+ .. Tissue examined microscopically

X .. Lesion present

I .. Insufficient tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

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

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

		-	1		-			
B6C3F1 MICE MALE	DAY ON TEST	0 0 1 8	0 0 1 8	0 0 1 8	0 0 1 8	0 0 1 8		
30.0 MG/KG	ANIMAL ID	0 0 0 4 1	0 0 0 4 2	0 0 0 4 3	0 0 0 4 4	0 0 4 5		
			-	Ŭ	<u> </u>	0		* TOTALS
HEMATOPOIETIC SYS	TEM							
Bone Marrow		+	+	+	+	+		5
Lymph Node, Mandibular		+	М	+	М	+		3
Lymph Node, Mesenteric		+	+	+	+	+		5
Spleen		+	+	+	+	+		5
Thymus		+	+	+	+	+		5
INTEGUMENTARY SYS	STEM							
Mammary Gland		М	М	М	М	М		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 X Lesion present I Insufficient tissue		oscop	vically	r; Tota	al anii	mals	with tumor M Missing tissue A Autolysis precludes evaluation BLANK Not examined microscopically	

### 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 1	0 0 1	0 0 1	0 0 1	0 0 1		
30.0 MG/KG		8	8	8	8	8		
	ANIMAL ID	0 0 4 1	0 0 4 2	0 0 4 3	0 0 4 4	0 0 4 5		
			2	3	4	Э	* TOT/	ALS
Spinal Cord, Lumbar		+	+	+	+	+	5	
RESPIRATORY SYSTE	М							
Larynx		+	I	+	+	М	3	
Lung		+	+	+	+	+	5	
Nose		+	+	+	+	+	5	
Trachea		+	+	+	+	+	5	
SPECIAL SENSES SYS	TEM							
Eye		+	+	+	+	+	5	
Harderian Gland		+	+	+	+	+	5	
URINARY SYSTEM								
Kidney		+	+	+	+	+	5	
Urinary Bladder		+	+	+	+	+	5	
SYSTEMIC LESIONS								
Multiple Organ		+	+	+	+	+	5	

 $^{\ast}$  .. Total animals with tissue examined microscopically; Total animals with tumor

+ .. Tissue examined microscopically

X .. Lesion present

I .. Insufficient tissue

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

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

B6C3F1 MICE MALE	DAY ON TEST	0 0 1 5	0 0 1 6	0 0 1 1	0 0 1 0	0 0 1 1	
00 MG/KG	ANIMAL ID	0 0 0 5 1	0 0 0 5 2	0 0 0 5 3	0 0 0 5 4	0 0 0 5 5	* TOTALS
LIMENTARY SYSTEM	Λ						
Esophagus		+	+	+	+	+	5
Gallbladder		+	+	А	+	+	4
Intestine Large, Cecum		+	+	+	А	A	3
Intestine Large, Colon		+	+	+	А	+	4
Intestine Large, Rectum		+	+	+	+	+	5
Intestine Small, Duodenum		+	А	+	А	A	2
Intestine Small, Ileum		+	А	+	А	A	2
Intestine Small, Jejunum		+	А	А	А	A	1
Liver		+	+	+	+	+	5
Pancreas		+	+	+	+	+	5
Salivary Glands		+	+	+	А	+	4
Stomach, Forestomach		+	+	+	+	+	5
Stomach, Glandular		+	Α	Α	Α	A	1
ARDIOVASCULAR S	YSTEM						
Blood Vessel		+	+	+	+	+	5
* Total animals wit + Tissue examined X Lesion present I Insufficient tissue		roscop	bically	y; Tot	al ani	mals with tumor	M Missing tissue A Autolysis precludes evaluation BLANK Not examined microscopically

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

# alpha/beta Thujone mixture **CAS Number:** 76231-76-0

B6C3F1 MICE MALE	DAY ON TEST	0 0 1 5	0 0 1 6	0 0 1 1	0 0 1 0	0 0 1 1		
100 MG/KG	ANIMAL ID	0 0 0 5 1	0 0 0 5 2	0 0 0 5 3	0 0 0 5 4	0 0 0 5 5		* TOTALS
Heart		+	+	+	+	+		5
NDOCRINE SYSTEM								
Adrenal Cortex		+	+	+	+	I		4
Adrenal Medulla		+	+	+	+	М		4
Islets, Pancreatic		+	+	+	+	+		5
Parathyroid Gland		М	+	Μ	+	+		3
Pituitary Gland		I	+	+	+	+		4
Thyroid Gland		+	+	+	+	+		5
GENERAL BODY SYS	ТЕМ							
Tissue NOS		+				_		1
GENITAL SYSTEM								
Epididymis		+	+	+	+	+		5
Preputial Gland		+	+	+	+	+		5
Prostate		+	+	+	+	+		5
Seminal Vesicle		+	+	+	+	+		5
Testes		+	+	+	+	+		5
* Total animals wi + Tissue examined X Lesion present I Insufficient tissu		oscop	bically	y; Tot	al ani	mals v	with tumor       M Missing tissue         A Autolysis precludes evaluation         BLANK Not examined microscopically	

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

# alpha/beta Thujone mixture **CAS Number:** 76231-76-0

1 1 1

B6C3F1 MICE MALE	DAY ON TEST	0 0 1 5	0 0 1 6	0 0 1 1	0 0 1 0	0 0 1 1		
100 MG/KG	ANIMAL ID	0 0 0 5 1	0 0 0 5 2	0 0 0 5 3	0 0 0 5 4	0 0 0 5 5		* TOTALS
HEMATOPOIETIC SYS	STEM	-			-	-		
Bone Marrow		+	+	+	+	+		5
Lymph Node, Mandibular		+	+	+	А	+		4
Lymph Node, Mesenteric		+	+	+	+	+		5
Spleen		+	+	+	+	+		5
Thymus		+	+	+	+	+		5
INTEGUMENTARY SY	STEM							
Mammary Gland		М	Μ	Μ	М	М		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 w + Tissue examine X Lesion present I Insufficient tissu		oscop	bically	y; Tot	al ani	mals	with tumor M Missing tissue A Autolysis precludes evaluation BLANK Not examined microscopically	

### 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 1	0 0 1	0 0 1	0 0 1	0 0 1	
100 MG/KG		5 0 0	6 0 0	1 0 0	0 0 0	1 0 0	
	ANIMAL ID	0 0 5 1	0 5 2	0 5 3	0 5 4	0 5 5	* TOTALS
Spinal Cord, Lumbar		+	+	+	+	+	5
RESPIRATORY SYSTE	М						
Larynx		М	I	I	I	I	0
Lung		+	+	+	+	+	5
Nose		+	+	А	+	+	4
Trachea		+	+	+	+	+	5
SPECIAL SENSES SYS	TEM						
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

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

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

B6C3F1 MICE FEMALE	DAY ON TEST	0 0 1 8	0 0 1 8	0 0 1 8	0 0 1 8	0 0 1 8		
VEHICLE CONTROL	ANIMAL ID	0 0 0 0 6	0 0 0 0 7	0 0 0 0 8	0 0 0 9	0 0 0 1 0		* TOTALS
ALIMENTARY SYSTEM								
Esophagus		+	+	+	+	+		5
Gallbladder		+	М	М	+	+		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 SYS	STEM		_					
Blood Vessel		+	+	+	+	+		5
* Total animals with t + Tissue examined m X Lesion present I Insufficient tissue	issue examined micr iicroscopically	oscop	vically	/; Tot	al ani	imals wit	mor M Missing tissue A Autolysis precludes evaluation BLANK Not examined microscopically	

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

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

DAY ON TEST B6C3F1 MICE FEMALE	0 0 1 8	0 0 1 8	0 0 1 8	0 0 1 8	0 0 1 8		
VEHICLE CONTROL ANIMAL ID	0 0 0 6	0 0 0 0 7	0 0 0 0 8	0 0 0 9	0 0 1 0		* TOTALS
Heart	+	+	+	+	+		5
ENDOCRINE SYSTEM		-		-			
Adrenal Cortex	+	+	+	+	+		5
Adrenal Medulla	+	+	+	+	+		5
Islets, Pancreatic	+	+	+	+	+		5
Parathyroid Gland	+	+	М	М	+		3
Pituitary Gland	+	+	+	+	+		5
Thyroid Gland	+	+	+	+	+		5
GENERAL BODY SYSTEM							
NONE							
GENITAL SYSTEM							
Clitoral Gland	+	+	+	+	Μ		4
Ovary	+	+	+	+	+		5
Uterus	+	+	+	+	+		5
HEMATOPOIETIC SYSTEM							
Bone Marrow	+	+	+	+	+		5
<ul> <li>* Total animals with tissue examined mic</li> <li>+ Tissue examined microscopically</li> <li>X Lesion present</li> <li>I Insufficient tissue</li> </ul>	roscop	bically	/; Tot	al anii	mals with tun	or M Missing tissue A Autolysis precludes evaluation BLANK Not examined microscopically	

### 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 1 8	0 0 1 8	0 0 1 8	0 0 1 8	0 0 1 8	
VEHICLE CONTROL	ANIMAL ID	0 0 0 0 6	0 0 0 0 7	0 0 0 0 8	0 0 0 0 9	0 0 0 1 0	* TOTALS
Lymph Node, Mandibular				+	+	+	5
Lymph Node, Mesenteric		+	+	+		+	5
Spleen		+	+	+	+		5
Thymus		+	+	+	+	+	5
INTEGUMENTARY SYSTE	EM		-	-	-	-	
Mammary Gland		+	+	+	+	+	5
Skin		+	+	+	+	+	5
MUSCULOSKELETAL SY	STEM		-			_	
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

### 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 1 8	0 0 1 8	0 0 1 8	0 0 1 8	0 0 1 8	
VEHICLE CONTROL	ANIMAL ID	0 0 0 0 6	0 0 0 7	0 0 0 0 8	0 0 0 9	0 0 1 0	* TOTALS
Larynx		+	I	I	I	I	1
Lung		+	+	+	÷	+	5
Nose		+	+	+	+	+	5
Trachea		+	+	+	+	+	5
SPECIAL SENSES SYS	TEM						
Eye		+	+	+	÷	+	5
Harderian Gland		+	+	+	+	+	5
URINARY SYSTEM							
Kidney		+	+	+	+	+	5
Urinary Bladder		+	+	+	+	+	5
SYSTEMIC LESIONS							
Multiple Organ		+	+	+	+	+	5

 $^{\ast}$  .. Total animals with tissue examined microscopically; Total animals with tumor

+ .. Tissue examined microscopically

X .. Lesion present

I .. Insufficient tissue

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED) Experiment Number: 99037 - 02 Date Report Requested: 09/19/2016 Test Type: 14-DAY alpha/beta Thujone mixture Time Report Requested: 15:43:43 Route: GAVAGE CAS Number: 76231-76-0 First Dose M/F: 05/07/01 / 05/07/01 Species/Strain: MICE/B6C3F1 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

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED) Experiment Number: 99037 - 02 Date Report Requested: 09/19/2016 Test Type: 14-DAY Time Report Requested: 15:43:43 alpha/beta Thujone mixture Route: GAVAGE CAS Number: 76231-76-0 First Dose M/F: 05/07/01 / 05/07/01 Species/Strain: MICE/B6C3F1 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

\* .. 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 0

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED) Experiment Number: 99037 - 02 Date Report Requested: 09/19/2016 Test Type: 14-DAY alpha/beta Thujone mixture Time Report Requested: 15:43:43 Route: GAVAGE CAS Number: 76231-76-0 First Dose M/F: 05/07/01 / 05/07/01 Species/Strain: MICE/B6C3F1 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

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED) Experiment Number: 99037 - 02 Date Report Requested: 09/19/2016 Test Type: 14-DAY Time Report Requested: 15:43:43 alpha/beta Thujone mixture Route: GAVAGE CAS Number: 76231-76-0 First Dose M/F: 05/07/01 / 05/07/01 Species/Strain: MICE/B6C3F1 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

\* .. 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 0

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED) Experiment Number: 99037 - 02 Date Report Requested: 09/19/2016 Test Type: 14-DAY alpha/beta Thujone mixture Time Report Requested: 15:43:43 Route: GAVAGE CAS Number: 76231-76-0 First Dose M/F: 05/07/01 / 05/07/01 Species/Strain: MICE/B6C3F1 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

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED) Experiment Number: 99037 - 02 Date Report Requested: 09/19/2016 Test Type: 14-DAY Time Report Requested: 15:43:43 alpha/beta Thujone mixture Route: GAVAGE CAS Number: 76231-76-0 First Dose M/F: 05/07/01 / 05/07/01 Species/Strain: MICE/B6C3F1 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

\* .. 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 0

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED) Experiment Number: 99037 - 02 Date Report Requested: 09/19/2016 Test Type: 14-DAY alpha/beta Thujone mixture Time Report Requested: 15:43:43 Route: GAVAGE CAS Number: 76231-76-0 First Dose M/F: 05/07/01 / 05/07/01 Species/Strain: MICE/B6C3F1 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

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED) Experiment Number: 99037 - 02 Date Report Requested: 09/19/2016 Test Type: 14-DAY Time Report Requested: 15:43:43 alpha/beta Thujone mixture Route: GAVAGE CAS Number: 76231-76-0 First Dose M/F: 05/07/01 / 05/07/01 Species/Strain: MICE/B6C3F1 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

\* .. 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 0

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

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

B6C3F1 MICE FEMALE 100 MG/KG	DAY ON TEST	0 0 1 1	0 0 1 6	0 0 1 8	0 0 1 8	0 0 1 8		
	ANIMAL ID	0 0 5 6	0 0 0 5 7	0 0 5 8	0 0 0 5 9	0 0 0 6 0	* TO	* TOTALS
LIMENTARY SYSTEM								
Esophagus		+	+	+	+	+		5
Gallbladder		А	+	+	+	+		4
Intestine Large, Cecum		А	А	+	+	+		3
Intestine Large, Colon		+	+	+	+	+		5
Intestine Large, Rectum		+	+	+	+	+		5
Intestine Small, Duodenum		А	А	+	+	+		3
Intestine Small, Ileum		А	А	+	+	+		3
Intestine Small, Jejunum		А	А	+	+	+		3
Liver		+	+	+	+	+		5
Pancreas		+	+	+	+	+		5
Salivary Glands		+	А	+	+	+		4
Stomach, Forestomach		+	+	+	+	+		5
Stomach, Glandular		А	А	+	+	+		3
CARDIOVASCULAR SY	STEM							
Blood Vessel		+	+	+	+	+		5
* Total animals with + Tissue examined n X Lesion present I Insufficient tissue		roscop	vically	/; Tota	al ani	mals with tur	M Missing tissue A Autolysis precludes evaluation BLANK Not examined microscopically	

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

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

DAY ON TEST B6C3F1 MICE FEMALE	0 0 1 1	0 0 1 6	0 0 1 8	0 0 1 8	0 0 1 8		
100 MG/KG ANIMAL ID	0 0 0 5 6	0 0 0 5 7	0 0 0 5 8	0 0 0 5 9	0 0 0 6 0		* TOTALS
Heart	+	+	+	+	+		5
ENDOCRINE SYSTEM							
Adrenal Cortex	+	+	+	+	+		5
Adrenal Medulla	+	Μ	+	+	+		4
Islets, Pancreatic	+	+	+	+	+		5
Parathyroid Gland	+	+	+	+	+		5
Pituitary Gland	+	I	+	+	+		4
Thyroid Gland	+	+	+	+	+		5
GENERAL BODY SYSTEM							
NONE			-				
GENITAL SYSTEM							
Clitoral Gland	+	+	+	М	+		4
Ovary	+	+	+	+	+		5
Uterus	+	А	+	+	+		4
HEMATOPOIETIC SYSTEM							
Bone Marrow	+	+	+	+	+		5
<ul> <li>* Total animals with tissue examined micro</li> <li>+ Tissue examined microscopically</li> <li>X Lesion present</li> <li>I Insufficient tissue</li> </ul>	oscop	bically	∕; Tot	al anii	mals witl	n tumor M Missing tissue A Autolysis precludes evaluation BLANK Not examined microscopically	

### 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 1	0 0 1	0 0 1	0 0 1	0 0 1	
		1	6	8	8	8	
100 MG/KG	ANIMAL ID	0	00	0	0	0 0	
		0 5 6	0 0 5 7	0 5	0 5 9	0 6	
		6	7	8	9	0	* TOTALS
Lymph Node, Mandibular		+	+	+	+	+	5
Lymph Node, Mesenteric		+	+	+	+	+	5
Spleen		+	+	+	+	+	5
Thymus		+	+	+	+	+	5
INTEGUMENTARY SYST	TEM						
Mammary Gland		+	+	+	+	+	5
Skin		+	+	+	+	+	5
MUSCULOSKELETAL S	YSTEM						
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

### 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 1 1	0 0 1 6	0 0 1 8	0 0 1 8	0 0 1 8	
100 MG/KG	ANIMAL ID	0 0 0 5 6	0 0 0 5 7	0 0 0 5 8	0 0 0 5 9	0 0 0 6 0	* TOTALS
Larynx		+	+	+	M	М	3
Lung		+	+	+	+	+	5
Nose		+	+	+	+	+	5
Trachea		+	+	+	+	+	5
SPECIAL SENSES SYST	EM						
Eye		+	+	+	+	+	5
Harderian Gland		+	+	+	+	+	5
URINARY SYSTEM							
Kidney		+	+	+	+	+	5
Urinary Bladder		+	+	+	+	+	5
SYSTEMIC LESIONS							
Multiple Organ		+	+	+	+	+	5

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

 $^{\ast}$  .. Total animals with tissue examined microscopically; Total animals with tumor

+ .. Tissue examined microscopically

X .. Lesion present

I .. Insufficient tissue