

**Experiment Number:** 99037 - 04  
**Test Type:** 90-DAY  
**Route:** GAVAGE  
**Species/Strain:** MICE/B6C3F1

**P03: INCIDENCE RATES OF NON-NEOPLASTIC LESIONS BY ANATOMIC SITE(a)**

alpha/beta Thujone mixture

**CAS Number:** 76231-76-0

**Date Report Requested:** 09/20/2016

**Time Report Requested:** 15:14:27

**First Dose M/F:** 08/14/02 / 08/15/02

**Lab:** SRI

**NTP Study Number:** C99037B  
**Lock Date:** 04/04/2003  
**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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B6C3F1 MICE MALE	0 MG/KG	6.25 MG/KG	12.5 MG/KG	25 MG/KG	50 MG/KG	75 MG/KG
<b>Disposition Summary</b>						
Animals Initially In Study	10	10	10	10	10	10
Early Deaths						
Natural Death					9	10
Survivors						
Terminal Sacrifice	10	10	10	10	1	
Animals Examined Microscopically	10	10	10	10	10	10

## ALIMENTARY SYSTEM

Esophagus	(10)	(0)	(0)	(10)	(9)	(10)
Gallbladder	(10)	(0)	(0)	(9)	(10)	(8)
Intestine Large, Cecum	(10)	(0)	(0)	(10)	(10)	(10)
Intestine Large, Colon	(10)	(0)	(0)	(10)	(10)	(10)
Intestine Large, Rectum	(10)	(0)	(0)	(10)	(10)	(10)
Intestine Small, Duodenum	(10)	(0)	(0)	(10)	(10)	(10)
Intestine Small, Ileum	(10)	(0)	(0)	(10)	(10)	(10)
Intestine Small, Jejunum	(10)	(0)	(0)	(10)	(9)	(9)
Liver	(10)	(0)	(0)	(10)	(10)	(10)
Depletion Glycogen	5 (50%)			5 (50%)	1 (10%)	
Hematopoietic Cell Proliferation				2 (20%)	1 (10%)	2 (20%)
Inflammation, Chronic Active	1 (10%)					
Pancreas	(10)	(0)	(0)	(10)	(10)	(10)
Salivary Glands	(10)	(0)	(0)	(10)	(10)	(10)
Stomach, Forestomach	(10)	(0)	(0)	(10)	(10)	(10)
Stomach, Glandular	(10)	(0)	(0)	(10)	(10)	(10)
Cyst	3 (30%)			2 (20%)		
Edema				1 (10%)		
Infiltration Cellular, Eosinophil				1 (10%)		

## CARDIOVASCULAR SYSTEM

Heart	(10)	(0)	(0)	(10)	(10)	(10)
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a - Number of animals examined microscopically at site and number of animals with lesion

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B6C3F1 MICE MALE	0 MG/KG	6.25 MG/KG	12.5 MG/KG	25 MG/KG	50 MG/KG	75 MG/KG
<b>ENDOCRINE SYSTEM</b>						
Adrenal Cortex	(10)	(10)	(10)	(10)	(10)	(10)
Adrenal Medulla	(10)	(10)	(10)	(10)	(10)	(10)
Parathyroid Gland	(10)	(0)	(0)	(10)	(10)	(9)
Cyst	1 (10%)					
Pituitary Gland	(10)	(0)	(0)	(10)	(10)	(9)
Pars Distalis, Cyst					1 (10%)	
Thyroid Gland	(10)	(0)	(0)	(10)	(10)	(10)
<b>GENERAL BODY SYSTEM</b>						
None						
<b>GENITAL SYSTEM</b>						
Epididymis	(10)	(0)	(0)	(10)	(10)	(10)
Preputial Gland	(10)	(0)	(0)	(10)	(10)	(10)
Inflammation, Chronic Active					1 (10%)	
Prostate	(10)	(0)	(0)	(10)	(10)	(10)
Seminal Vesicle	(10)	(0)	(0)	(10)	(10)	(10)
Testes	(10)	(0)	(0)	(10)	(10)	(10)
<b>HEMATOPOIETIC SYSTEM</b>						
Bone Marrow	(10)	(0)	(0)	(10)	(10)	(10)
Lymph Node, Mandibular	(10)	(0)	(0)	(10)	(9)	(10)
Lymph Node, Mesenteric	(9)	(0)	(0)	(10)	(10)	(9)
Spleen	(10)	(0)	(0)	(10)	(10)	(10)
Hyperplasia, Lymphoid	1 (10%)					
Pigmentation, Hemosiderin, Focal	1 (10%)					
Thymus	(10)	(0)	(0)	(10)	(10)	(10)

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B6C3F1 MICE MALE	0 MG/KG	6.25 MG/KG	12.5 MG/KG	25 MG/KG	50 MG/KG	75 MG/KG
<b>INTEGUMENTARY SYSTEM</b>						
Skin	(10)	(0)	(0)	(10)	(10)	(10)
<b>MUSCULOSKELETAL SYSTEM</b>						
Bone	(10)	(0)	(0)	(10)	(10)	(10)
Skeletal Muscle	(10)	(0)	(0)	(2)	(10)	(10)
<b>NERVOUS SYSTEM</b>						
Brain	(10)	(10)	(10)	(10)	(10)	(10)
Peripheral Nerve	(10)	(0)	(0)	(5)	(10)	(10)
Spinal Cord	(10)	(0)	(0)	(4)	(10)	(10)
Congestion					1 (10%)	1 (10%)
<b>RESPIRATORY SYSTEM</b>						
Lung	(10)	(0)	(0)	(10)	(10)	(10)
Congestion					1 (10%)	5 (50%)
Hemorrhage					5 (50%)	1 (10%)
Nose	(10)	(0)	(0)	(10)	(10)	(10)
Trachea	(10)	(0)	(0)	(10)	(10)	(10)
<b>SPECIAL SENSES SYSTEM</b>						
Eye	(10)	(0)	(0)	(10)	(10)	(10)
Inflammation, Acute				1 (10%)		
Harderian Gland	(10)	(0)	(0)	(10)	(10)	(10)
Hyperplasia, Focal				1 (10%)		
Inflammation, Acute	1 (10%)			2 (20%)		

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Species/Strain: MICE/B6C3F1

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B6C3F1 MICE MALE	0 MG/KG	6.25 MG/KG	12.5 MG/KG	25 MG/KG	50 MG/KG	75 MG/KG
URINARY SYSTEM						
Kidney	(10)	(0)	(0)	(10)	(10)	(10)
Cyst				1 (10%)		
Nephropathy	1 (10%)			2 (20%)	2 (20%)	1 (10%)
Renal Tubule, Mineralization						1 (10%)
Urinary Bladder	(10)	(0)	(0)	(10)	(10)	(10)

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

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B6C3F1 MICE FEMALE	0 MG/KG	6.25 MG/KG	12.5 MG/KG	25 MG/KG	50 MG/KG	75 MG/KG
<b>Disposition Summary</b>						
Animals Initially In Study	10	10	10	10	10	10
Early Deaths						
Natural Death					7	10
Survivors						
Terminal Sacrifice	10	10	10	10	3	
Animals Examined Microscopically	10	10	10	10	10	10
<b>ALIMENTARY SYSTEM</b>						
Esophagus	(10)	(0)	(0)	(10)	(10)	(10)
Gallbladder	(10)	(0)	(0)	(10)	(10)	(10)
Intestine Large, Cecum	(10)	(0)	(0)	(10)	(10)	(10)
Intestine Large, Colon	(10)	(0)	(0)	(10)	(10)	(10)
Intestine Large, Rectum	(10)	(0)	(0)	(10)	(10)	(10)
Intestine Small, Duodenum	(10)	(0)	(0)	(10)	(9)	(10)
Intestine Small, Ileum	(10)	(0)	(0)	(10)	(10)	(10)
Intestine Small, Jejunum	(10)	(0)	(0)	(10)	(8)	(10)
Liver	(10)	(0)	(0)	(10)	(10)	(10)
Hematopoietic Cell Proliferation	3 (30%)			3 (30%)	4 (40%)	2 (20%)
Hepatodiaphragmatic Nodule						1 (10%)
Pancreas	(10)	(0)	(0)	(10)	(10)	(10)
Acinus, Atrophy, Focal	1 (10%)					
Salivary Glands	(10)	(0)	(0)	(10)	(10)	(10)
Stomach, Forestomach	(10)	(0)	(0)	(10)	(10)	(10)
Stomach, Glandular	(10)	(0)	(0)	(10)	(10)	(10)
Cyst	2 (20%)					
Mineralization	1 (10%)					
<b>CARDIOVASCULAR SYSTEM</b>						
Heart	(10)	(0)	(0)	(10)	(10)	(10)

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<b>ENDOCRINE SYSTEM</b>						
Adrenal Cortex	(10)	(10)	(10)	(10)	(10)	(10)
Accessory Adrenal Cortical Nodule					1 (10%)	
Adrenal Medulla	(10)	(0)	(0)	(10)	(10)	(10)
Parathyroid Gland	(10)	(0)	(0)	(10)	(10)	(9)
Pituitary Gland	(10)	(0)	(0)	(10)	(10)	(10)
Thyroid Gland	(10)	(0)	(0)	(10)	(10)	(10)
<b>GENERAL BODY SYSTEM</b>						
None						
<b>GENITAL SYSTEM</b>						
Clitoral Gland	(9)	(0)	(0)	(10)	(10)	(10)
Ovary	(10)	(10)	(10)	(10)	(10)	(10)
Uterus	(10)	(10)	(10)	(10)	(10)	(10)
Dilatation			1 (10%)			
Vagina	(10)	(10)	(10)	(10)	(10)	(10)
<b>HEMATOPOIETIC SYSTEM</b>						
Bone Marrow	(10)	(0)	(0)	(10)	(10)	(10)
Lymph Node, Mandibular	(9)	(0)	(0)	(10)	(10)	(10)
Lymph Node, Mesenteric	(10)	(0)	(0)	(10)	(10)	(9)
Spleen	(10)	(1)	(0)	(10)	(10)	(10)
Hematopoietic Cell Proliferation	1 (10%)			1 (10%)		
Hyperplasia, Lymphoid, Focal		1 (100%)				
Thymus	(10)	(0)	(0)	(10)	(10)	(10)
<b>INTEGUMENTARY SYSTEM</b>						

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Mammary Gland	(10)	(0)	(0)	(10)	(10)	(10)
Skin	(10)	(0)	(0)	(10)	(10)	(10)
<b>MUSCULOSKELETAL SYSTEM</b>						
Bone	(10)	(0)	(0)	(10)	(10)	(10)
Skeletal Muscle	(10)	(0)	(0)	(5)	(10)	(10)
<b>NERVOUS SYSTEM</b>						
Brain	(10)	(10)	(10)	(10)	(10)	(10)
Inflammation, Acute					1 (10%)	
Peripheral Nerve	(10)	(0)	(0)	(5)	(10)	(10)
Spinal Cord	(10)	(0)	(0)	(5)	(10)	(10)
<b>RESPIRATORY SYSTEM</b>						
Lung	(10)	(0)	(0)	(10)	(10)	(10)
Congestion					2 (20%)	3 (30%)
Hemorrhage					2 (20%)	
Infiltration Cellular, Histiocyte, Focal				1 (10%)		
Inflammation, Acute				1 (10%)		
Nose	(10)	(0)	(0)	(10)	(10)	(10)
Trachea	(10)	(0)	(0)	(10)	(10)	(10)
<b>SPECIAL SENSES SYSTEM</b>						
Eye	(10)	(0)	(0)	(10)	(10)	(10)
Harderian Gland	(10)	(0)	(0)	(10)	(10)	(10)
Inflammation, Acute	1 (10%)					

**URINARY SYSTEM**

a - Number of animals examined microscopically at site and number of animals with lesion



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B6C3F1 MICE FEMALE	0 MG/KG	6.25 MG/KG	12.5 MG/KG	25 MG/KG	50 MG/KG	75 MG/KG
Kidney	(10)	(0)	(0)	(10)	(10)	(10)
Casts Protein	3 (30%)					
Nephropathy	1 (10%)				1 (10%)	
Urinary Bladder	(10)	(0)	(0)	(10)	(10)	(10)

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

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