

**Experiment Number:** 99021-02  
**Test Type:** 14-DAY  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

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

**Test Compound:** alpha-Thujone  
**CAS Number:** 546-80-5

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 11:44:46  
**First Dose M/F:** NA / NA  
**Lab:** MBA

**C Number:** C99021  
**Lock Date:** 01/24/2002  
**Cage Range:** All  
**Date Range:** All  
**Reasons For Removal:** All  
**Removal Date Range:** All  
**Treatment Groups:** All  
**Study Gender:** Both  
**PWG Approval Date** NONE

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Lab: MBA

B6C3F1 Mouse MALE	VEHICLE CONTROL	1.0 MG/KG	3.0 MG/KG	10.0 MG/KG	30.0 MG/KG	100 MG/KG
<b>Disposition Summary</b>						
Animals Initially In Study	5	5	5	5	5	5
Early Deaths						
Natural Death						4
Survivors						
Terminal Sacrifice	5	5	5	5	5	1
Animals Examined Microscopically	5				5	5
<b>ALIMENTARY SYSTEM</b>						
Esophagus	(4)	(0)	(0)	(0)	(5)	(5)
Gallbladder	(4)	(0)	(0)	(0)	(4)	(4)
Intestine Large, Cecum	(5)	(0)	(0)	(0)	(5)	(1)
Intestine Large, Colon	(5)	(0)	(0)	(0)	(5)	(2)
Intestine Large, Rectum	(5)	(0)	(0)	(0)	(5)	(2)
Intestine Small, Duodenum	(5)	(0)	(0)	(0)	(5)	(1)
Intestine Small, Ileum	(5)	(0)	(0)	(0)	(5)	(1)
Intestine Small, Jejunum	(5)	(0)	(0)	(0)	(5)	(1)
Liver	(5)	(0)	(0)	(0)	(5)	(5)
Pancreas	(5)	(0)	(0)	(0)	(5)	(5)
Salivary Glands	(5)	(0)	(0)	(0)	(5)	(5)
Stomach, Forestomach	(5)	(0)	(0)	(0)	(5)	(5)
Stomach, Glandular	(5)	(0)	(0)	(0)	(5)	(5)
<b>CARDIOVASCULAR SYSTEM</b>						
Blood Vessel	(5)	(0)	(0)	(0)	(5)	(5)
Heart	(5)	(0)	(0)	(0)	(5)	(5)
<b>ENDOCRINE SYSTEM</b>						
Adrenal Cortex	(5)	(0)	(0)	(0)	(5)	(5)
Adrenal Medulla	(5)	(0)	(0)	(0)	(5)	(5)
Islets, Pancreatic	(5)	(0)	(0)	(0)	(5)	(5)

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

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Lab: MBA

B6C3F1 Mouse MALE	VEHICLE CONTROL	1.0 MG/KG	3.0 MG/KG	10.0 MG/KG	30.0 MG/KG	100 MG/KG
Parathyroid Gland	(5)	(0)	(0)	(0)	(3)	(1)
Pituitary Gland	(5)	(0)	(0)	(0)	(5)	(5)
Thyroid Gland	(5)	(0)	(0)	(0)	(5)	(5)
Ectopic Thymus					1 (20%)	
GENERAL BODY SYSTEM						
None						
GENITAL SYSTEM						
Epididymis	(5)	(0)	(0)	(0)	(5)	(5)
Preputial Gland	(5)	(0)	(0)	(0)	(5)	(5)
Prostate	(5)	(0)	(0)	(0)	(5)	(5)
Seminal Vesicle	(5)	(0)	(0)	(0)	(5)	(5)
Testes	(5)	(0)	(0)	(0)	(5)	(5)
HEMATOPOIETIC SYSTEM						
Bone Marrow	(5)	(0)	(0)	(0)	(5)	(5)
Lymph Node, Mandibular	(5)	(0)	(0)	(0)	(5)	(4)
Lymph Node, Mesenteric	(5)	(0)	(0)	(0)	(5)	(5)
Spleen	(5)	(0)	(0)	(0)	(5)	(5)
Hematopoietic Cell Proliferation	2 (40%)					
Thymus	(5)	(0)	(0)	(0)	(5)	(5)
INTEGUMENTARY SYSTEM						
Mammary Gland	(1)	(0)	(0)	(0)	(0)	(0)
Skin	(5)	(0)	(0)	(0)	(5)	(5)
MUSCULOSKELETAL SYSTEM						
Bone	(4)	(0)	(0)	(0)	(5)	(5)
Skeletal Muscle	(5)	(0)	(0)	(0)	(5)	(5)
NERVOUS SYSTEM						
Brain, NOS	(5)	(0)	(0)	(0)	(5)	(5)

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Lab: MBA

B6C3F1 Mouse MALE	VEHICLE CONTROL	1.0 MG/KG	3.0 MG/KG	10.0 MG/KG	30.0 MG/KG	100 MG/KG
Peripheral Nerve, Sciatic	(4)	(0)	(0)	(0)	(5)	(5)
Spinal Cord, Cervical	(5)	(0)	(0)	(0)	(5)	(5)
Spinal Cord, Lumbar	(5)	(0)	(0)	(0)	(5)	(5)
RESPIRATORY SYSTEM						
Larynx	(0)	(0)	(0)	(0)	(2)	(1)
Lung	(5)	(0)	(0)	(0)	(5)	(5)
Nose	(5)	(0)	(0)	(0)	(5)	(5)
Trachea	(5)	(0)	(0)	(0)	(5)	(5)
SPECIAL SENSES SYSTEM						
Eye	(5)	(0)	(0)	(0)	(5)	(5)
Harderian Gland	(5)	(0)	(0)	(0)	(5)	(5)
Zymbal's Gland	(1)	(0)	(0)	(0)	(0)	(0)
URINARY SYSTEM						
Kidney	(5)	(0)	(0)	(0)	(5)	(5)
Renal Tubule, Degeneration, Focal						1 (20%)
Urinary Bladder	(5)	(0)	(0)	(0)	(5)	(5)

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

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 Lab: MBA

B6C3F1 Mouse FEMALE	VEHICLE CONTROL	1.0 MG/KG	3.0 MG/KG	10.0 MG/KG	30.0 MG/KG	100 MG/KG
<b>Disposition Summary</b>						
Animals Initially In Study	5	5	5	5	5	5
Early Deaths						
Natural Death						5
Survivors						
Terminal Sacrifice	5	5	5	5	5	
Animals Examined Microscopically	5					5
<b>ALIMENTARY SYSTEM</b>						
Esophagus	(5)	(0)	(0)	(0)	(0)	(5)
Gallbladder	(3)	(0)	(0)	(0)	(0)	(4)
Intestine Large, Cecum	(5)	(0)	(0)	(0)	(0)	(0)
Intestine Large, Colon	(5)	(0)	(0)	(0)	(0)	(0)
Intestine Large, Rectum	(5)	(0)	(0)	(0)	(0)	(5)
Intestine Small, Duodenum	(5)	(0)	(0)	(0)	(0)	(0)
Intestine Small, Ileum	(5)	(0)	(0)	(0)	(0)	(0)
Intestine Small, Jejunum	(5)	(0)	(0)	(0)	(0)	(0)
Liver	(5)	(0)	(0)	(0)	(0)	(5)
Pancreas	(5)	(0)	(0)	(0)	(0)	(5)
Salivary Glands	(5)	(0)	(0)	(0)	(0)	(5)
Stomach, Forestomach	(5)	(0)	(0)	(0)	(0)	(5)
Stomach, Glandular	(5)	(0)	(0)	(0)	(0)	(5)
<b>CARDIOVASCULAR SYSTEM</b>						
Blood Vessel	(5)	(0)	(0)	(0)	(0)	(5)
Heart	(5)	(0)	(0)	(0)	(0)	(5)
<b>ENDOCRINE SYSTEM</b>						
Adrenal Cortex	(5)	(0)	(0)	(0)	(0)	(5)
Subcapsular, Hyperplasia, Focal	2 (40%)					
Adrenal Medulla	(5)	(0)	(0)	(0)	(0)	(5)

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B6C3F1 Mouse FEMALE	VEHICLE CONTROL	1.0 MG/KG	3.0 MG/KG	10.0 MG/KG	30.0 MG/KG	100 MG/KG
Islets, Pancreatic	(5)	(0)	(0)	(0)	(0)	(5)
Parathyroid Gland	(5)	(0)	(0)	(0)	(0)	(0)
Pituitary Gland	(3)	(0)	(0)	(0)	(0)	(4)
Thyroid Gland	(5)	(0)	(0)	(0)	(0)	(5)
Ectopic Thymus	1 (20%)					
GENERAL BODY SYSTEM						
None						
GENITAL SYSTEM						
Clitoral Gland	(3)	(0)	(0)	(0)	(0)	(5)
Ovary	(5)	(0)	(0)	(0)	(0)	(5)
Uterus	(5)	(0)	(0)	(0)	(0)	(5)
Hydrometra						2 (40%)
HEMATOPOIETIC SYSTEM						
Bone Marrow	(5)	(0)	(0)	(0)	(0)	(5)
Lymph Node, Mandibular	(5)	(0)	(0)	(0)	(0)	(5)
Lymph Node, Mesenteric	(5)	(0)	(0)	(0)	(0)	(5)
Spleen	(5)	(0)	(0)	(0)	(0)	(5)
Hematopoietic Cell Proliferation	3 (60%)					1 (20%)
Thymus	(5)	(0)	(0)	(0)	(0)	(5)
INTEGUMENTARY SYSTEM						
Mammary Gland	(4)	(0)	(0)	(0)	(0)	(5)
Skin	(5)	(0)	(0)	(0)	(0)	(5)
MUSCULOSKELETAL SYSTEM						
Bone	(5)	(0)	(0)	(0)	(0)	(5)
Skeletal Muscle	(5)	(0)	(0)	(0)	(0)	(5)
NERVOUS SYSTEM						
Brain, NOS	(5)	(0)	(0)	(0)	(0)	(5)

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<b>B6C3F1 Mouse FEMALE</b>	<b>VEHICLE CONTROL</b>	<b>1.0 MG/KG</b>	<b>3.0 MG/KG</b>	<b>10.0 MG/KG</b>	<b>30.0 MG/KG</b>	<b>100 MG/KG</b>
Peripheral Nerve, Sciatic	(5)	(0)	(0)	(0)	(0)	(4)
Spinal Cord, Cervical	(5)	(0)	(0)	(0)	(0)	(5)
Spinal Cord, Lumbar	(5)	(0)	(0)	(0)	(0)	(5)
<b>RESPIRATORY SYSTEM</b>						
Larynx	(3)	(0)	(0)	(0)	(0)	(4)
Lung	(5)	(0)	(0)	(0)	(0)	(5)
Nose	(5)	(0)	(0)	(0)	(0)	(5)
Trachea	(5)	(0)	(0)	(0)	(0)	(5)
<b>SPECIAL SENSES SYSTEM</b>						
Eye	(5)	(0)	(0)	(0)	(0)	(5)
Harderian Gland	(5)	(0)	(0)	(0)	(0)	(5)
<b>URINARY SYSTEM</b>						
Kidney	(5)	(0)	(0)	(0)	(0)	(5)
Urinary Bladder	(5)	(0)	(0)	(0)	(0)	(4)

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