

**Experiment Number:** 99021-01  
**Test Type:** 14-DAY  
**Route:** GAVAGE  
**Species/Strain:** Rat/F 344/N

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

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

**Date Report Requested:** 10/15/2014  
**Time Report Requested:** 12:52:50  
**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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First Dose M/F: NA / NA

Species/Strain: Rat/F 344/N

Lab: MBA

F 344/N Rat 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						
Survivors						
Terminal Sacrifice	5	5	5	5	5	5
Animals Examined Microscopically	5	2	1			5
<b>ALIMENTARY SYSTEM</b>						
Esophagus	(5)	(0)	(0)	(0)	(0)	(5)
Intestine Large, Cecum	(5)	(0)	(0)	(0)	(0)	(5)
Intestine Large, Colon	(5)	(0)	(0)	(0)	(0)	(5)
Intestine Large, Rectum	(5)	(0)	(0)	(0)	(0)	(5)
Intestine Small, Duodenum	(5)	(0)	(0)	(0)	(0)	(5)
Intestine Small, Ileum	(5)	(0)	(0)	(0)	(0)	(5)
Intestine Small, Jejunum	(5)	(0)	(0)	(0)	(0)	(5)
Liver	(5)	(1)	(0)	(0)	(0)	(5)
Hepatodiaphragmatic Nodule		1 (100%)				
Pancreas	(5)	(0)	(0)	(0)	(0)	(5)
Infiltration Cellular, Lymphocyte, Focal	1 (20%)					1 (20%)
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)
Adrenal Medulla	(5)	(0)	(0)	(0)	(0)	(5)
Islets, Pancreatic	(5)	(0)	(0)	(0)	(0)	(5)

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

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Lab: MBA

F 344/N Rat 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)	(0)	(4)
Pituitary Gland	(5)	(0)	(0)	(0)	(0)	(5)
Thyroid Gland	(5)	(0)	(0)	(0)	(0)	(5)
GENERAL BODY SYSTEM						
None						
GENITAL SYSTEM						
Epididymis	(5)	(0)	(0)	(0)	(0)	(5)
Preputial Gland	(5)	(0)	(0)	(0)	(0)	(5)
Prostate	(5)	(0)	(0)	(0)	(0)	(5)
Seminal Vesicle	(5)	(0)	(0)	(0)	(0)	(5)
Testes	(5)	(0)	(0)	(0)	(0)	(5)
HEMATOPOIETIC SYSTEM						
Bone Marrow	(5)	(0)	(0)	(0)	(0)	(5)
Lymph Node	(0)	(0)	(1)	(0)	(0)	(0)
Mediastinal, Congestion, Focal			1 (100%)			
Mediastinal, Hyperplasia			1 (100%)			
Lymph Node, Mandibular	(3)	(0)	(0)	(0)	(0)	(0)
Lymph Node, Mesenteric	(5)	(0)	(0)	(0)	(0)	(5)
Spleen	(5)	(0)	(0)	(0)	(0)	(5)
Thymus	(5)	(0)	(0)	(0)	(0)	(5)
INTEGUMENTARY SYSTEM						
Mammary Gland	(5)	(0)	(0)	(0)	(0)	(3)
Skin	(5)	(0)	(0)	(0)	(0)	(5)
MUSCULOSKELETAL SYSTEM						
Bone	(5)	(1)	(0)	(0)	(0)	(5)
Skeletal Muscle	(5)	(0)	(0)	(0)	(0)	(5)
NERVOUS SYSTEM						

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F 344/N Rat MALE	VEHICLE CONTROL	1.0 MG/KG	3.0 MG/KG	10.0 MG/KG	30.0 MG/KG	100 MG/KG
Brain, NOS	(5)	(1)	(0)	(0)	(0)	(5)
Cerebrum, Developmental Malformation		1 (100%)				
Cerebrum, Gliosis, Focal		1 (100%)				
Peripheral Nerve, Sciatic	(5)	(0)	(0)	(0)	(0)	(5)
Spinal Cord, Cervical	(5)	(0)	(0)	(0)	(0)	(5)
Spinal Cord, Lumbar	(5)	(0)	(0)	(0)	(0)	(5)
RESPIRATORY SYSTEM						
Larynx	(4)	(0)	(0)	(0)	(0)	(1)
Lung	(5)	(0)	(0)	(0)	(0)	(5)
Perivascular, Infiltration Cellular, Lymphocyte, Focal	2 (40%)					2 (40%)
Nose	(5)	(0)	(0)	(0)	(0)	(5)
Trachea	(5)	(0)	(0)	(0)	(0)	(5)
SPECIAL SENSES SYSTEM						
Eye	(5)	(0)	(0)	(0)	(0)	(5)
Harderian Gland	(5)	(0)	(0)	(0)	(0)	(5)
URINARY SYSTEM						
Kidney	(5)	(0)	(0)	(0)	(0)	(5)
Urinary Bladder	(5)	(0)	(0)	(0)	(0)	(4)

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

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

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First Dose M/F: NA / NA

Species/Strain: Rat/F 344/N

Lab: MBA

F 344/N Rat 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						
Moribund Sacrifice						2
Natural Death						1
Survivors						
Terminal Sacrifice	5	5	5	5	5	2
Animals Examined Microscopically	5		1		5	5
<b>ALIMENTARY SYSTEM</b>						
Esophagus	(5)	(0)	(0)	(0)	(5)	(5)
Intestine Large, Cecum	(5)	(0)	(0)	(0)	(5)	(4)
Intestine Large, Colon	(5)	(0)	(0)	(0)	(5)	(4)
Intestine Large, Rectum	(5)	(0)	(0)	(0)	(5)	(5)
Intestine Small, Duodenum	(5)	(0)	(0)	(0)	(5)	(4)
Intestine Small, Ileum	(5)	(0)	(0)	(0)	(5)	(4)
Intestine Small, Jejunum	(5)	(0)	(0)	(0)	(5)	(4)
Liver	(5)	(0)	(0)	(0)	(5)	(5)
Pancreas	(5)	(0)	(0)	(0)	(5)	(5)
Infiltration Cellular, Lymphocyte, Focal	1 (20%)					
Salivary Glands	(5)	(0)	(0)	(0)	(5)	(5)
Stomach, Forestomach	(5)	(0)	(0)	(0)	(5)	(5)
Stomach, Glandular	(5)	(0)	(0)	(0)	(5)	(4)
<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)	(4)

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F 344/N Rat 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)	(5)	(5)
Parathyroid Gland	(5)	(0)	(0)	(0)	(5)	(2)
Pituitary Gland	(4)	(0)	(0)	(0)	(4)	(5)
Thyroid Gland	(5)	(0)	(0)	(0)	(5)	(5)
GENERAL BODY SYSTEM						
None						
GENITAL SYSTEM						
Clitoral Gland	(5)	(0)	(0)	(0)	(5)	(5)
Ovary	(5)	(0)	(0)	(0)	(5)	(5)
Uterus	(5)	(0)	(0)	(0)	(5)	(5)
Hydrometra					1 (20%)	
HEMATOPOIETIC SYSTEM						
Bone Marrow	(5)	(0)	(0)	(0)	(5)	(5)
Lymph Node, Mesenteric	(5)	(0)	(0)	(0)	(5)	(5)
Spleen	(5)	(0)	(0)	(0)	(5)	(5)
Thymus	(5)	(0)	(0)	(0)	(5)	(5)
Hemorrhage, Focal						1 (20%)
INTEGUMENTARY SYSTEM						
Mammary Gland	(5)	(0)	(0)	(0)	(5)	(5)
Skin	(5)	(0)	(0)	(0)	(5)	(5)
MUSCULOSKELETAL SYSTEM						
Bone	(5)	(0)	(0)	(0)	(5)	(5)
Skeletal Muscle	(5)	(0)	(0)	(0)	(5)	(5)
NERVOUS SYSTEM						
Brain, NOS	(5)	(0)	(0)	(0)	(5)	(5)
Chor Plexus, Hemorrhage, Focal						1 (20%)
Peripheral Nerve, Sciatic	(5)	(0)	(0)	(0)	(5)	(5)

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Spinal Cord, Cervical	(5)	(0)	(0)	(0)	(5)	(5)
Spinal Cord, Lumbar	(5)	(0)	(0)	(0)	(5)	(5)
RESPIRATORY SYSTEM						
Larynx	(3)	(0)	(0)	(0)	(5)	(3)
Lung	(5)	(0)	(0)	(0)	(5)	(5)
Alveolus, Hyperplasia, Histiocytic, Focal						1 (20%)
Perivascular, Infiltration Cellular, Lymphocyte, Focal	3 (60%)				2 (40%)	
Nose	(5)	(0)	(0)	(0)	(5)	(4)
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)
Infiltration Cellular, Lymphocyte, Focal					1 (20%)	1 (20%)
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 REPORT \*\*

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