

**Experiment Number:** 99037-01  
**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/beta Thujone mixture

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

**Date Report Requested:** 10/22/2014

**Time Report Requested:** 20:56:21

**First Dose M/F:** NA / NA

**Lab:** MBA

<b>C Number:</b>	C99037
<b>Lock Date:</b>	01/24/2002
<b>Cage Range:</b>	All
<b>Date Range:</b>	All
<b>Reasons For Removal:</b>	All
<b>Removal Date Range:</b>	All
<b>Treatment Groups:</b>	All
<b>Study Gender:</b>	Both
<b>PWG Approval Date</b>	NONE

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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						
Natural Death						1
Survivors						
Terminal Sacrifice	5	5	5	5	5	4
Animals Examined Microscopically	5			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)	(0)	(0)	(1)	(0)	(5)
Centrilobular, Vacuolization Cytoplasmic	2 (40%)					1 (20%)
Hepatodiaphragmatic Nodule				1 (100%)		
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)
Adrenal Medulla	(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
Islets, Pancreatic	(5)	(0)	(0)	(0)	(0)	(5)
Parathyroid Gland	(5)	(0)	(0)	(0)	(0)	(3)
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	(4)	(0)	(0)	(0)	(0)	(4)
Testes	(5)	(0)	(0)	(0)	(0)	(5)
HEMATOPOIETIC SYSTEM						
Bone Marrow	(5)	(0)	(0)	(0)	(0)	(5)
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	(3)	(0)	(0)	(0)	(0)	(2)
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)
Peripheral Nerve, Sciatic	(5)	(0)	(0)	(0)	(0)	(5)
Spinal Cord, Cervical	(5)	(0)	(0)	(0)	(0)	(5)

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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
Spinal Cord, Lumbar	(5)	(0)	(0)	(0)	(0)	(5)
RESPIRATORY SYSTEM						
Larynx	(3)	(0)	(0)	(0)	(0)	(3)
Lung	(5)	(0)	(0)	(0)	(0)	(5)
Perivascular, Infiltration Cellular, Lymphocyte	1 (20%)					2 (40%)
Nose	(5)	(0)	(0)	(0)	(0)	(4)
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)	(5)

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

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

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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						
Survivors						
Terminal Sacrifice	5	5	5	5	5	5
Animals Examined Microscopically	5					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)	(0)	(0)	(0)	(0)	(5)
Centrilobular, Vacuolization Cytoplasmic						1 (20%)
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)
Adrenal Medulla	(5)	(0)	(0)	(0)	(0)	(5)
Islets, Pancreatic	(5)	(0)	(0)	(0)	(0)	(5)
Parathyroid Gland	(3)	(0)	(0)	(0)	(0)	(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
Pituitary Gland	(5)	(0)	(0)	(0)	(0)	(5)
Thyroid Gland	(5)	(0)	(0)	(0)	(0)	(5)
GENERAL BODY SYSTEM						
None						
GENITAL SYSTEM						
Clitoral Gland	(5)	(0)	(0)	(0)	(0)	(5)
Ovary	(5)	(0)	(0)	(0)	(0)	(5)
Uterus	(5)	(0)	(0)	(0)	(0)	(5)
Hydrometra	1 (20%)					
HEMATOPOIETIC SYSTEM						
Bone Marrow	(5)	(0)	(0)	(0)	(0)	(5)
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)	(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)
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	(1)	(0)	(0)	(0)	(0)	(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
Lung	(5)	(0)	(0)	(0)	(0)	(5)
Alveolus, Hemorrhage, Focal	1 (20%)					1 (20%)
Inflammation, Chronic Active, Focal	1 (20%)					
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)	(5)

\*\* END OF REPORT \*\*