

Experiment Number: 99023-02
Test Type: 90-DAY
Species/Strain: Mouse/B6C3F1

**P18: INCIDENCE RATES OF NON-NEOPLASTIC LESIONS BY ANATOMIC SITE (a) WITH
AVERAGE SEVERITY GRADES[b]**

Test Compound: beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 10/20/2014
Time Report Requested: 17:28:42
First Dose M/F: NA / NA
Lab: BAT

C Number: C99023
Lock Date: 10/17/2001
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: BAT

B6C3F1 Mouse MALE	0 G/KG	0.25 G/KG	0.5 G/KG	1.0 G/KG	2.0 G/KG	4.0 G/KG
Disposition Summary						
Animals Initially In Study	10	10	10	10	10	10
Early Deaths						
Moribund Sacrifice					5	2
Natural Death					4	8
Survivors						
Terminal Sacrifice	10	10	10	10	1	
Animals Examined Microscopically	10	10	10	10	10	10
ALIMENTARY SYSTEM						
Esophagus	(10)	(0)	(0)	(10)	(10)	(10)
Gallbladder	(10)	(0)	(0)	(10)	(9)	(8)
Intestine Large, Cecum	(10)	(0)	(0)	(10)	(10)	(9)
Intestine Large, Colon	(10)	(0)	(0)	(10)	(8)	(8)
Intestine Large, Rectum	(10)	(0)	(0)	(10)	(10)	(9)
Intestine Small, Duodenum	(10)	(0)	(0)	(10)	(9)	(6)
Intestine Small, Ileum	(10)	(0)	(0)	(10)	(9)	(7)
Intestine Small, Jejunum	(10)	(0)	(0)	(10)	(8)	(6)
Liver	(10)	(10)	(10)	(10)	(10)	(10)
Centrilobular, Hypertrophy				3 [1.0]	5 [1.4]	
Centrilobular, Mineralization						1 [1.0]
Centrilobular, Necrosis					6 [1.3]	10 [2.4]
Infiltration Cellular, Mixed Cell	7 [1.1]	8 [1.0]	5 [1.0]	3 [1.0]	2 [1.0]	
Inflammation, Acute						1 [1.0]
Necrosis, Focal	1 [1.0]					
Oral Mucosa	(10)	(0)	(0)	(10)	(10)	(10)
Pancreas	(10)	(10)	(10)	(10)	(10)	(10)
Degeneration					7 [2.0]	10 [1.7]
Salivary Glands	(10)	(0)	(0)	(10)	(10)	(10)

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

b - Average severity grade (1-minimal; 2-mild; 3-moderate; 4-marked)

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B6C3F1 Mouse MALE	0 G/KG	0.25 G/KG	0.5 G/KG	1.0 G/KG	2.0 G/KG	4.0 G/KG
Infiltration Cellular, Mononuclear CI				1 [1.0]		
Stomach, Forestomach	(10)	(10)	(10)	(10)	(10)	(10)
Epithelium, Hyperplasia					5 [2.0]	
Inflammation					6 [2.0]	8 [2.3]
Mineralization						1 [1.0]
Ulcer					6 [1.5]	6 [2.3]
Stomach, Glandular	(10)	(0)	(0)	(10)	(10)	(10)
Inflammation					1 [1.0]	
Ulcer					1 [1.0]	
CARDIOVASCULAR SYSTEM						
Blood Vessel	(10)	(0)	(0)	(10)	(9)	(10)
Heart	(10)	(0)	(0)	(10)	(10)	(10)
ENDOCRINE SYSTEM						
Adrenal Cortex	(10)	(0)	(0)	(10)	(10)	(10)
Capsule, Hyperplasia	5 [1.0]			3 [1.0]	4 [1.0]	2 [1.0]
Adrenal Medulla	(10)	(0)	(0)	(10)	(10)	(10)
Parathyroid Gland	(9)	(0)	(0)	(9)	(7)	(6)
Pituitary Gland	(10)	(0)	(0)	(10)	(10)	(10)
Thyroid Gland	(10)	(0)	(0)	(10)	(10)	(10)
GENERAL BODY SYSTEM						
None						
GENITAL SYSTEM						
Coagulating Gland	(10)	(0)	(0)	(10)	(9)	(10)
Epididymis	(10)	(0)	(0)	(10)	(10)	(10)
Preputial Gland	(10)	(0)	(0)	(10)	(10)	(10)
Prostate	(10)	(0)	(0)	(10)	(10)	(10)
Seminal Vesicle	(10)	(0)	(0)	(10)	(10)	(10)

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B6C3F1 Mouse MALE	0 G/KG	0.25 G/KG	0.5 G/KG	1.0 G/KG	2.0 G/KG	4.0 G/KG
Testes	(10)	(10)	(10)	(10)	(10)	(10)
Germinal Epith, Degeneration					2 [3.0]	
HEMATOPOIETIC SYSTEM						
Bone Marrow	(10)	(10)	(10)	(10)	(10)	(10)
Atrophy					6 [1.0]	2 [2.5]
Lymph Node, Mandibular	(10)	(10)	(10)	(9)	(9)	(10)
Necrosis					5 [2.4]	8 [1.6]
Lymph Node, Mesenteric	(10)	(10)	(10)	(10)	(10)	(10)
Necrosis					7 [2.9]	10 [2.2]
Spleen	(10)	(10)	(10)	(10)	(10)	(10)
Congestion						2 [2.0]
Lymph Follic, Necrosis					8 [2.9]	10 [2.0]
Red Pulp, Hematopoietic Cell Proliferation	1 [1.0]					
Thymus	(10)	(10)	(10)	(10)	(10)	(10)
Cyst	1 [1.0]			1 [1.0]		
Necrosis					10 [3.4]	10 [3.0]
INTEGUMENTARY SYSTEM						
Mammary Gland	(1)	(0)	(0)	(0)	(0)	(0)
Skin	(10)	(0)	(0)	(10)	(10)	(10)
MUSCULOSKELETAL SYSTEM						
Bone	(10)	(0)	(0)	(10)	(10)	(10)
NERVOUS SYSTEM						
Brain	(10)	(0)	(0)	(10)	(10)	(10)
Ventricle, Hydrocephalus					1 [2.0]	
RESPIRATORY SYSTEM						
Lung	(10)	(0)	(0)	(10)	(10)	(10)
Arteriole, Thrombosis					1 [1.0]	

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Lab: BAT

B6C3F1 Mouse MALE	0 G/KG	0.25 G/KG	0.5 G/KG	1.0 G/KG	2.0 G/KG	4.0 G/KG
Congestion						2 [1.5]
Inflammation, Suppurative						1 [1.0]
Nose	(10)	(10)	(10)	(10)	(10)	(10)
Olfactory Epi, Degeneration					7 [1.3]	7 [1.4]
Respirat Epith, Inflammation				1 [1.0]		
Trachea	(10)	(0)	(0)	(10)	(10)	(10)
SPECIAL SENSES SYSTEM						
Eye	(10)	(0)	(0)	(10)	(10)	(10)
Harderian Gland	(10)	(0)	(0)	(10)	(10)	(10)
URINARY SYSTEM						
Kidney	(10)	(10)	(10)	(10)	(10)	(10)
Infiltration Cellular, Mononuclear CI	1 [1.0]					
Inflammation, Chronic Active	1 [1.0]					
Nephropathy		3 [1.0]		2 [1.0]	1 [1.0]	
Renal Tubule, Necrosis			2 [1.0]		6 [1.3]	10 [2.0]
Urinary Bladder	(10)	(0)	(0)	(10)	(10)	(10)

END OF MALE DATA

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

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Lab: BAT

B6C3F1 Mouse FEMALE	0 G/KG	0.25 G/KG	0.5 G/KG	1.0 G/KG	2.0 G/KG	4.0 G/KG
Disposition Summary						
Animals Initially In Study	10	10	10	10	10	10
Early Deaths						
Moribund Sacrifice					1	5
Natural Death					7	5
Survivors						
Terminal Sacrifice	10	10	10	10	2	
Animals Examined Microscopically	10	10	10	10	10	10
ALIMENTARY SYSTEM						
Esophagus	(10)	(0)	(0)	(10)	(10)	(10)
Epithelium, Muscularis, Inflammation, Suppurative					1 [2.0]	
Gallbladder	(10)	(0)	(0)	(9)	(8)	(9)
Intestine Large, Cecum	(10)	(0)	(0)	(10)	(8)	(10)
Intestine Large, Colon	(10)	(0)	(0)	(10)	(7)	(8)
Intestine Large, Rectum	(10)	(0)	(0)	(10)	(10)	(10)
Intestine Small, Duodenum	(10)	(0)	(0)	(10)	(8)	(9)
Intestine Small, Ileum	(10)	(0)	(0)	(10)	(6)	(9)
Intestine Small, Jejunum	(10)	(0)	(0)	(10)	(6)	(9)
Liver	(10)	(10)	(10)	(10)	(10)	(10)
Centrilobular, Hypertrophy				2 [1.0]	4 [1.0]	
Centrilobular, Necrosis					3 [2.0]	8 [2.3]
Clear Cell Focus			1			
Infiltration Cellular, Mixed Cell	9 [1.3]		9 [1.2]	9 [1.2]	2 [1.0]	
Oral Mucosa	(10)	(0)	(2)	(10)	(10)	(10)
Gingival, Inflammation			2 [1.0]			
Pancreas	(10)	(10)	(10)	(10)	(10)	(10)
Degeneration					4 [2.0]	9 [1.1]
Salivary Glands	(10)	(0)	(0)	(10)	(10)	(10)

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B6C3F1 Mouse FEMALE	0 G/KG	0.25 G/KG	0.5 G/KG	1.0 G/KG	2.0 G/KG	4.0 G/KG
Infiltration Cellular, Mononuclear CI	1 [1.0]					
Stomach, Forestomach	(10)	(10)	(10)	(10)	(10)	(10)
Epithelium, Hyperplasia			1 [2.0]	2 [2.0]	4 [2.0]	1 [1.0]
Inflammation					8 [1.8]	6 [1.8]
Mineralization						1 [2.0]
Ulcer					3 [1.7]	
Stomach, Glandular	(10)	(0)	(0)	(10)	(10)	(10)
Epithelium, Hyperplasia, Atypical					1 [1.0]	
Inflammation, Suppurative					1 [1.0]	
CARDIOVASCULAR SYSTEM						
Blood Vessel	(10)	(0)	(0)	(10)	(10)	(10)
Heart	(10)	(0)	(0)	(10)	(10)	(10)
ENDOCRINE SYSTEM						
Adrenal Cortex	(10)	(0)	(0)	(10)	(10)	(10)
Capsule, Hyperplasia	10 [1.5]			10 [1.3]	9 [1.0]	7 [1.0]
Adrenal Medulla	(10)	(0)	(0)	(10)	(10)	(10)
Parathyroid Gland	(10)	(0)	(0)	(8)	(8)	(5)
Cyst				1 [1.0]		
Pituitary Gland	(10)	(0)	(0)	(10)	(10)	(10)
Thyroid Gland	(10)	(0)	(0)	(10)	(10)	(10)
Inflammation, Granulomatous				1 [1.0]		
GENERAL BODY SYSTEM						
None						
GENITAL SYSTEM						
Clitoral Gland	(10)	(0)	(0)	(10)	(9)	(10)
Ovary	(10)	(0)	(0)	(10)	(10)	(10)
Uterus	(10)	(0)	(0)	(10)	(10)	(10)

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B6C3F1 Mouse FEMALE	0 G/KG	0.25 G/KG	0.5 G/KG	1.0 G/KG	2.0 G/KG	4.0 G/KG
HEMATOPOIETIC SYSTEM						
Bone Marrow	(10)	(10)	(10)	(10)	(10)	(10)
Atrophy					4 [1.8]	
Lymph Node, Mandibular	(10)	(10)	(10)	(10)	(8)	(10)
Necrosis					3 [1.7]	10 [1.8]
Lymph Node, Mesenteric	(10)	(10)	(10)	(10)	(10)	(10)
Necrosis					3 [2.0]	10 [2.1]
Spleen	(10)	(10)	(10)	(10)	(10)	(10)
Lymph Follic, Necrosis					6 [3.2]	7 [1.7]
Thymus	(10)	(10)	(10)	(10)	(10)	(10)
Cyst	1 [1.0]			2 [1.0]		
Necrosis					9 [3.9]	10 [2.7]
INTEGUMENTARY SYSTEM						
Mammary Gland	(10)	(0)	(0)	(10)	(10)	(10)
Skin	(10)	(0)	(0)	(10)	(10)	(10)
MUSCULOSKELETAL SYSTEM						
Bone	(10)	(0)	(0)	(10)	(10)	(10)
NERVOUS SYSTEM						
Brain	(10)	(0)	(0)	(10)	(10)	(10)
Peripheral Nerve	(1)	(0)	(0)	(0)	(0)	(0)
Spinal Cord	(0)	(0)	(0)	(0)	(0)	(1)
RESPIRATORY SYSTEM						
Lung	(10)	(0)	(0)	(10)	(10)	(10)
Arteriole, Inflammation, Chronic	1 [1.0]					
Inflammation, Suppurative					1 [1.0]	
Nose	(10)	(10)	(10)	(10)	(10)	(10)
Olfactory Epi, Degeneration	1 [1.0]			1 [1.0]	9 [2.6]	10 [1.5]

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B6C3F1 Mouse FEMALE	0 G/KG	0.25 G/KG	0.5 G/KG	1.0 G/KG	2.0 G/KG	4.0 G/KG
Olfactory Epi, Inflammation					2 [2.0]	
Olfactory Epi, Metaplasia					1 [2.0]	
Respirat Epith, Inflammation			2 [1.0]		1 [2.0]	1 [1.0]
Respirat Epith, Mineralization			1 [1.0]			
Trachea	(10)	(0)	(0)	(10)	(10)	(10)
SPECIAL SENSES SYSTEM						
Ear	(2)	(0)	(0)	(0)	(0)	(0)
Eye	(10)	(0)	(0)	(10)	(10)	(10)
Harderian Gland	(10)	(0)	(0)	(10)	(10)	(9)
URINARY SYSTEM						
Kidney	(10)	(10)	(10)	(10)	(10)	(10)
Inflammation, Chronic	1 [1.0]					
Renal Tubule, Necrosis					8 [2.0]	5 [2.0]
Renal Tubule, Regeneration					1 [1.0]	
Urinary Bladder	(10)	(0)	(0)	(10)	(10)	(10)

**** END OF REPORT ****

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