

Experiment Number: 99023-01

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P02: INCIDENCE RATES OF NEOPLASMS BY ANATOMIC SITE (a)

Test Compound: beta-Myrcene

CAS Number: 123-35-3

Date Report Requested: 10/19/2014

Time Report Requested: 12:47:17

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

F 344/N Rat 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						
Dosing Accident			1	1		
Moribund Sacrifice						2
Natural Death					2	8
Survivors						
Terminal Sacrifice	10	10	9	9	8	
Animals Examined Microscopically	10	10	10	10	10	10
ALIMENTARY SYSTEM						
Esophagus	(10)	(0)	(1)	(1)	(10)	(10)
Intestine Large, Cecum	(10)	(0)	(1)	(1)	(10)	(10)
Intestine Large, Colon	(10)	(0)	(1)	(1)	(10)	(10)
Intestine Large, Rectum	(10)	(0)	(1)	(1)	(10)	(10)
Intestine Small, Duodenum	(10)	(0)	(1)	(1)	(10)	(10)
Intestine Small, Ileum	(10)	(0)	(1)	(1)	(10)	(10)
Intestine Small, Jejunum	(10)	(0)	(1)	(1)	(10)	(10)
Liver	(10)	(0)	(2)	(1)	(10)	(10)
Oral Mucosa	(0)	(0)	(0)	(0)	(2)	(0)
Pancreas	(10)	(0)	(1)	(1)	(10)	(10)
Salivary Glands	(10)	(0)	(1)	(1)	(10)	(10)
Stomach, Forestomach	(10)	(0)	(1)	(10)	(10)	(10)
Stomach, Glandular	(10)	(0)	(1)	(1)	(10)	(10)
CARDIOVASCULAR SYSTEM						
Blood Vessel	(10)	(0)	(1)	(1)	(10)	(10)
Heart	(10)	(0)	(1)	(1)	(10)	(10)

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

b - Primary tumors: all tumors except metastatic tumors

* Number of animals with any tissue examined microscopically

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F 344/N Rat MALE	0 G/KG	0.25 G/KG	0.5 G/KG	1.0 G/KG	2.0 G/KG	4.0 G/KG
ENDOCRINE SYSTEM						
Adrenal Cortex	(10)	(0)	(1)	(1)	(10)	(10)
Adrenal Medulla	(10)	(0)	(1)	(1)	(10)	(10)
Islets, Pancreatic	(10)	(0)	(1)	(1)	(10)	(10)
Parathyroid Gland	(10)	(0)	(1)	(1)	(9)	(9)
Pituitary Gland	(10)	(0)	(1)	(1)	(10)	(10)
Thyroid Gland	(10)	(0)	(1)	(1)	(10)	(10)
GENERAL BODY SYSTEM						
None						
GENITAL SYSTEM						
Epididymis	(10)	(0)	(1)	(1)	(10)	(10)
Preputial Gland	(10)	(0)	(1)	(1)	(10)	(10)
Prostate	(10)	(0)	(1)	(1)	(10)	(10)
Seminal Vesicle	(10)	(0)	(1)	(1)	(10)	(9)
Testes	(10)	(0)	(1)	(1)	(10)	(10)
HEMATOPOIETIC SYSTEM						
Bone Marrow	(10)	(0)	(1)	(1)	(10)	(10)
Lymph Node	(1)	(2)	(4)	(1)	(0)	(0)
Lymph Node, Mandibular	(0)	(0)	(0)	(1)	(0)	(0)
Lymph Node, Mesenteric	(10)	(0)	(1)	(1)	(10)	(10)
Spleen	(10)	(10)	(10)	(10)	(10)	(10)
Thymus	(10)	(0)	(1)	(10)	(9)	(10)
INTEGUMENTARY SYSTEM						
Mammary Gland	(10)	(0)	(1)	(1)	(10)	(10)
Skin	(10)	(0)	(1)	(1)	(10)	(10)
MUSCULOSKELETAL SYSTEM						

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Lab: BAT

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Bone	(10)	(0)	(1)	(1)	(10)	(10)
Skeletal Muscle	(0)	(0)	(1)	(0)	(0)	(0)
NERVOUS SYSTEM						
Brain	(10)	(0)	(1)	(1)	(10)	(10)
RESPIRATORY SYSTEM						
Lung	(10)	(0)	(1)	(1)	(10)	(10)
Nose	(10)	(10)	(10)	(10)	(10)	(10)
Trachea	(10)	(0)	(1)	(1)	(10)	(10)
SPECIAL SENSES SYSTEM						
Eye	(10)	(0)	(1)	(1)	(10)	(10)
Harderian Gland	(10)	(10)	(10)	(10)	(9)	(10)
Lacrimal Gland	(0)	(0)	(0)	(0)	(1)	(0)
Zymbal's Gland	(0)	(0)	(0)	(0)	(1)	(0)
URINARY SYSTEM						
Kidney	(7)	(10)	(9)	(10)	(10)	(10)
Urinary Bladder	(10)	(0)	(1)	(1)	(10)	(10)

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

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* Number of animals with any tissue examined microscopically

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Lab: BAT

F 344/N Rat MALE

0 G/KG

0.25 G/KG

0.5 G/KG

1.0 G/KG

2.0 G/KG

4.0 G/KG

Tumor Summary for MALE

Total Animals with Primary Neoplasms (b)

Total Primary Neoplasms

Total Animals with Benign Neoplasms

Total Benign Neoplasms

Total Animals with Malignant Neoplasms

Total Malignant Neoplasms

Total Animals with Metastatic Neoplasms

Total Metastatic Neoplasms

Total Animals with Malignant Neoplasms

Uncertain Primary Site

Total Animals with Neoplasms Uncertain -

Benign or Malignant

Total Uncertain Neoplasms

END OF MALE DATA

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

b - Primary tumors: all tumors except metastatic tumors

* Number of animals with any tissue examined microscopically

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Lab: BAT

F 344/N Rat 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						
Dosing Accident				1		1
Moribund Sacrifice					2	1
Natural Death					2	8
Survivors						
Terminal Sacrifice	10	10	10	9	6	
Animals Examined Microscopically	10	10	10	10	10	10
ALIMENTARY SYSTEM						
Esophagus	(10)	(0)	(0)	(1)	(10)	(10)
Intestine Large, Cecum	(10)	(0)	(0)	(1)	(10)	(10)
Intestine Large, Colon	(10)	(0)	(0)	(1)	(10)	(10)
Intestine Large, Rectum	(10)	(0)	(0)	(1)	(10)	(10)
Intestine Small, Duodenum	(10)	(0)	(0)	(1)	(10)	(10)
Intestine Small, Ileum	(10)	(0)	(0)	(1)	(10)	(10)
Intestine Small, Jejunum	(10)	(0)	(0)	(1)	(10)	(10)
Liver	(10)	(1)	(1)	(2)	(10)	(10)
Mesentery	(0)	(1)	(0)	(0)	(0)	(0)
Pancreas	(10)	(0)	(0)	(1)	(10)	(10)
Salivary Glands	(10)	(0)	(0)	(1)	(10)	(10)
Stomach, Forestomach	(10)	(0)	(0)	(10)	(10)	(10)
Stomach, Glandular	(10)	(0)	(0)	(1)	(10)	(10)
CARDIOVASCULAR SYSTEM						
Blood Vessel	(10)	(0)	(0)	(1)	(10)	(10)
Heart	(10)	(0)	(0)	(1)	(10)	(10)

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

b - Primary tumors: all tumors except metastatic tumors

* Number of animals with any tissue examined microscopically

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F 344/N Rat FEMALE	0 G/KG	0.25 G/KG	0.5 G/KG	1.0 G/KG	2.0 G/KG	4.0 G/KG
ENDOCRINE SYSTEM						
Adrenal Cortex	(10)	(0)	(0)	(1)	(10)	(10)
Adrenal Medulla	(10)	(0)	(0)	(1)	(10)	(10)
Islets, Pancreatic	(10)	(0)	(0)	(1)	(10)	(10)
Parathyroid Gland	(9)	(0)	(0)	(1)	(10)	(10)
Pituitary Gland	(10)	(0)	(0)	(1)	(10)	(10)
Thyroid Gland	(10)	(0)	(0)	(1)	(10)	(10)
GENERAL BODY SYSTEM						
None						
GENITAL SYSTEM						
Clitoral Gland	(10)	(0)	(0)	(1)	(10)	(10)
Ovary	(10)	(0)	(0)	(1)	(10)	(10)
Uterus	(10)	(0)	(0)	(1)	(10)	(10)
HEMATOPOIETIC SYSTEM						
Bone Marrow	(10)	(0)	(0)	(1)	(10)	(10)
Lymph Node	(1)	(3)	(5)	(1)	(1)	(0)
Lymph Node, Mesenteric	(10)	(0)	(0)	(3)	(10)	(10)
Spleen	(10)	(0)	(10)	(10)	(10)	(10)
Thymus	(10)	(0)	(1)	(10)	(10)	(10)
INTEGUMENTARY SYSTEM						
Mammary Gland	(10)	(0)	(0)	(1)	(10)	(10)
Skin	(10)	(0)	(0)	(1)	(10)	(10)
MUSCULOSKELETAL SYSTEM						
Bone	(10)	(0)	(0)	(1)	(10)	(10)
NERVOUS SYSTEM						

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

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* Number of animals with any tissue examined microscopically

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Lab: BAT

F 344/N Rat FEMALE	0 G/KG	0.25 G/KG	0.5 G/KG	1.0 G/KG	2.0 G/KG	4.0 G/KG
Brain	(10)	(0)	(0)	(1)	(10)	(10)
RESPIRATORY SYSTEM						
Lung	(10)	(0)	(0)	(1)	(10)	(10)
Nose	(10)	(0)	(10)	(10)	(10)	(10)
Trachea	(10)	(0)	(0)	(1)	(10)	(10)
SPECIAL SENSES SYSTEM						
Eye	(10)	(0)	(0)	(1)	(10)	(10)
Harderian Gland	(10)	(10)	(10)	(10)	(10)	(10)
Lacrimal Gland	(0)	(0)	(0)	(0)	(0)	(1)
URINARY SYSTEM						
Kidney	(10)	(10)	(10)	(10)	(10)	(10)
Urinary Bladder	(10)	(0)	(0)	(1)	(10)	(10)

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

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* Number of animals with any tissue examined microscopically

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First Dose M/F: NA / NA

Lab: BAT

F 344/N Rat FEMALE

0 G/KG

0.25 G/KG

0.5 G/KG

1.0 G/KG

2.0 G/KG

4.0 G/KG

Tumor Summary for FEMALE

Total Animals with Primary Neoplasms (b)

Total Primary Neoplasms

Total Animals with Benign Neoplasms

Total Benign Neoplasms

Total Animals with Malignant Neoplasms

Total Malignant Neoplasms

Total Animals with Metastatic Neoplasms

Total Metastatic Neoplasms

Total Animals with Malignant Neoplasms

Uncertain Primary Site

Total Animals with Neoplasms Uncertain -

Benign or Malignant

Total Uncertain Neoplasms

**** END OF REPORT ****

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

b - Primary tumors: all tumors except metastatic tumors

* Number of animals with any tissue examined microscopically