

TDMS No. 99023 - 03
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/F 344

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
beta-Myrcene
CAS Number: 123-35-3

Date Report Reqsted: 09/24/2007
Time Report Reqsted: 12:14:59
First Dose M/F: 03/25/02 / 03/26/02
Lab: BAT

F1_R2

C Number: C99023
Lock Date: 12/22/2004
Cage Range: ALL
Date Range: ALL
Reasons For Removal: ALL
Removal Date Range: ALL
Treatment Groups: Include ALL
TDMSE Version: 1.8.0

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DAY ON TEST		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
		6	7	7	6	7	6	7	6	7	7	7	4	6	5	7	6	7	7	7	6	7	7	6	7	
		8	3	3	6	2	8	0	1	3	3	2	7	6	2	2	0	3	2	3	2	7	3	3	8	3
		8	0	1	7	4	4	9	1	0	0	9	4	7	8	9	7	1	9	0	9	4	0	0	9	1
FISCHER 344 RATS MALE 0 G/KG																										
ANIMAL ID		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
		0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	
		1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	
		males (cont...)																								

ALIMENTARY SYSTEM

Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Lymphoma Malignant																									
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Small, Duodenum	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Lymphoma Malignant																									
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Lymphoma Malignant																									
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Lymphoma Malignant																									
Liver	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Histiocytic Sarcoma																									
Leukemia Mononuclear						X	X										X						X		
Lymphoma Malignant																									

* .. Total animals with tissue examined microscopically; Total animals with tumor

+ .. Tissue examined microscopically

x .. Lesion present

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		DAY ON TEST																								
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		6	7	7	6	7	6	7	6	7	7	7	4	6	5	7	6	7	7	7	7	6	7	7	6	7
		8	3	3	6	2	8	0	1	3	3	2	7	6	2	2	0	3	2	3	2	7	3	3	8	3
		8	0	1	7	4	4	9	1	0	0	9	4	7	8	9	7	1	9	0	9	4	0	0	9	1
FISCHER 344 RATS MALE		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ANIMAL ID		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0 G/KG		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		1	2	3	4	5	6	7	8	9	0	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2
		males (cont...)																								
Mesentery																										
Lymphoma Malignant		+			+					+				+	+	+							+			
Mesothelioma Malignant					X									X												
Oral Mucosa																										
Squamous Cell Papilloma																				+						
Pancreas																										
Adenoma		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Leukemia Mononuclear			X																							
Lymphoma Malignant						X																		X		
Salivary Glands																										
		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Stomach, Forestomach																										
		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Leukemia Mononuclear																										
Lymphoma Malignant															X											
Stomach, Glandular																										
		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Leukemia Mononuclear						X																		X		

CARDIOVASCULAR SYSTEM

* .. Total animals with tissue examined microscopically; Total animals with tumor

+ .. Tissue examined microscopically

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FISCHER 344 RATS MALE 0 G/KG		DAY ON TEST																									males (cont...)
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
		6	7	7	6	7	6	7	6	7	7	7	4	6	5	7	6	7	7	7	6	7	7	6	7		
		8	3	3	6	2	8	0	1	3	3	2	7	6	2	2	0	3	2	3	2	7	3	3	8	3	
		8	0	1	7	4	4	9	1	0	0	9	4	7	8	9	7	1	9	0	9	4	0	0	9	1	
ANIMAL ID																											
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
		0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	
		1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	
		males (cont...)																									
Blood Vessel		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		
Heart		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		
Leukemia Mononuclear						X	X										X							X			

ENDOCRINE SYSTEM

Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Adenoma																									
Leukemia Mononuclear																								X	
Lymphoma Malignant														X											
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Ganglioneuroma																					X				
Leukemia Mononuclear						X									X										
Pheochromocytoma Benign		X								X						X	X			X					
Pheochromocytoma Malignant																									
Bilateral, Pheochromocytoma Benign					X																				
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Adenoma									X																
Carcinoma	X																								
Parathyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	M	+

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		6	7	7	6	7	6	7	6	7	7	7	4	6	5	7	6	7	7	7	6	7	7	6		7	
		8	3	3	6	2	8	0	1	3	3	2	7	6	2	2	0	3	2	3	2	7	3	3		8	3
		8	0	1	7	4	4	9	1	0	0	9	4	7	8	9	7	1	9	0	9	4	0	0		9	1
FISCHER 344 RATS MALE 0 G/KG																											
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	males (cont...)	
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
		0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2		
1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5			

Adenoma

Pituitary Gland

Pars Distalis, Adenoma

Thyroid Gland

Bilateral, C-cell, Adenoma

C-cell, Adenoma

C-cell, Adenoma, Multiple

Follicle, Adenoma

Follicle, Carcinoma

GENERAL BODY SYSTEM

NONE

GENITAL SYSTEM

Epididymis

Lymphoma Malignant

Mesothelioma Malignant

Preputial Gland

Adenoma

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DAY ON TEST		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
		6	7	7	6	7	6	7	6	7	7	7	4	6	5	7	6	7	7	7	6	7	7	6		7	
		8	3	3	6	2	8	0	1	3	3	2	7	6	2	2	0	3	2	3	2	7	3	3		8	3
		8	0	1	7	4	4	9	1	0	0	9	4	7	8	9	7	1	9	0	9	4	0	0		9	1
FISCHER 344 RATS MALE ANIMAL ID 0 G/KG		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	males (cont...)	
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
		0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2		
		1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4		5

males
(cont...)

Adenoma, Multiple	X																								
Prostate	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Lymphoma Malignant	X																								
Mesothelioma Malignant, Metastatic, Epididymis	X																								
Seminal Vesicle	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Lymphoma Malignant	X																								
Mesothelioma Malignant	X																								
Testes	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Bilateral, Interstitial Cell, Adenoma		X	X	X	X	X	X	X	X	X			X	X	X	X	X	X			X	X	X	X	
Interstitial Cell, Adenoma	X										X		X							X	X				
Tunic, Mesothelioma Malignant	X																								

HEMATOPOIETIC SYSTEM

Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Histiocytic Sarcoma																									
Leukemia Mononuclear	X																								
Lymph Node	+				+																				
Mediastinal, Leukemia Mononuclear																									

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DAY ON TEST	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	6	7	7	6	7	6	7	6	7	7	7	4	6	5	7	6	7	7	7	7	6	7	7	6	7
	8	3	3	6	2	8	0	1	3	3	2	7	6	2	2	0	3	2	3	2	7	3	3	8	3
	8	0	1	7	4	4	9	1	0	0	9	4	7	8	9	7	1	9	0	9	4	0	0	9	1
FISCHER 344 RATS MALE ANIMAL ID 0 G/KG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2
	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5
males (cont...)																									

Subcutaneous Tissue, Sarcoma X

MUSCULOSKELETAL SYSTEM

Bone	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Chordoma																									
Osteosarcoma																									
Skeletal Muscle																									
Rhabdomyosarcoma																									

NERVOUS SYSTEM

Brain	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Ependymoma Benign																									
Leukemia Mononuclear																									
Oligodendroglioma Benign																									
Peripheral Nerve	+																								
Spinal Cord	+																								

RESPIRATORY SYSTEM

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		6	7	7	6	7	6	7	6	7	7	7	4	6	5	7	6	7	7	7	6	7	7	6	7	
		8	3	3	6	2	8	0	1	3	3	2	7	6	2	2	0	3	2	3	2	7	3	3	8	3
		8	0	1	7	4	4	9	1	0	0	9	4	7	8	9	7	1	9	0	9	4	0	0	9	1
FISCHER 344 RATS MALE 0 G/KG		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
		0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	
		1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5
ANIMAL ID																										
males (cont...)																										

Lipoma X
Lymphoma Malignant X
Transitional Epithelium, Carcinoma

Urinary Bladder +
Lymphoma Malignant X
Papilloma

SYSTEMIC LESIONS

Multiple Organ +
Histiocytic Sarcoma
Leukemia Mononuclear X X X X X X X
Lymphoma Malignant X
Mesothelioma Malignant X

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		7	7	7	7	5	7	7	7	5	7	6	4	4	7	7	5	7	7	6	7	7	7	7	7	7	
		3	2	2	2	2	3	3	2	1	2	7	2	7	2	2	3	3	3	8	3	3	3	2	1	2	
		0	9	9	9	8	0	0	9	6	6	4	9	4	9	9	6	0	0	4	0	0	0	9	5	9	
FISCHER 344 RATS MALE 0 G/KG		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
		2	2	2	2	3	3	3	3	3	3	3	3	3	3	4	4	4	4	4	4	4	4	4	4	5	
		6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	
ANIMAL ID																											
* TOTALS																											

Blood Vessel	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Heart	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Leukemia Mononuclear														X		X										6

ENDOCRINE SYSTEM

Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Adenoma						X																				1
Leukemia Mononuclear															X											2
Lymphoma Malignant																										1
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Ganglioneuroma																										1
Leukemia Mononuclear																										2
Pheochromocytoma Benign											X				X			X				X		X		10
Pheochromocytoma Malignant	X					X																				2
Bilateral, Pheochromocytoma Benign																										1
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Adenoma																					X					2
Carcinoma																										1
Parathyroid Gland	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	M	+	+	+	+	M	45

* .. Total animals with tissue examined microscopically; Total animals with tumor

+ .. Tissue examined microscopically

x .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

TDMS No. 99023 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/F 344

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

beta-Myrcene

CAS Number: 123-35-3

Date Report Requested: 09/24/2007
 Time Report Requested: 12:14:59
 First Dose M/F: 03/25/02 / 03/26/02
 Lab: BAT

DAY ON TEST	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7	7	7	7	5	7	7	7	5	7	6	4	4	7	7	5	7	7	6	7	7	7	7	7	7	7
FISCHER 344 RATS MALE 0 G/KG	3	2	2	2	2	3	3	2	1	2	7	2	7	2	2	3	3	3	8	3	3	3	2	1	2	2
	0	9	9	9	8	0	0	9	6	6	4	9	4	9	9	6	0	0	4	0	0	0	9	5	9	9
ANIMAL ID	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0 G/KG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2	2	2	2	3	3	3	3	3	3	3	3	3	3	4	4	4	4	4	4	4	4	4	4	4	5
6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	0	0
	* TOTALS																									

Adenoma	X																								1				
Pituitary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50				
Pars Distalis, Adenoma	X																								6				
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50				
Bilateral, C-cell, Adenoma	X	X																								3			
C-cell, Adenoma	X		X																								8		
C-cell, Adenoma, Multiple	X																								1				
Follicle, Adenoma	X				X																								1
Follicle, Carcinoma	X										X														2				

GENERAL BODY SYSTEM

NONE

GENITAL SYSTEM

Epididymis	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Lymphoma Malignant	X																									1
Mesothelioma Malignant	X																									2
Preputial Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Adenoma	X																									4

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 x .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

TDMS No. 99023 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/F 344

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

beta-Myrcene

CAS Number: 123-35-3

Date Report Requested: 09/24/2007
 Time Report Requested: 12:14:59
 First Dose M/F: 03/25/02 / 03/26/02
 Lab: BAT

DAY ON TEST	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7	7	7	7	5	7	7	7	5	7	6	4	4	7	7	5	7	7	6	7	7	7	7	7	7	7
FISCHER 344 RATS MALE 0 G/KG	3	2	2	2	2	3	3	2	1	2	7	2	7	2	2	3	3	3	8	3	3	3	2	1	2	2
	0	9	9	9	8	0	0	9	6	6	4	9	4	9	9	6	0	0	4	0	0	0	9	5	9	9
ANIMAL ID	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0 G/KG	2	2	2	2	3	3	3	3	3	3	3	3	3	3	4	4	4	4	4	4	4	4	4	4	5	5
	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	0
* TOTALS																										

Pancreatic, Leukemia Mononuclear																										1
Lymph Node, Mandibular	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	0
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Leukemia Mononuclear														X		X										5
Spleen	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Leukemia Mononuclear	X													X		X										8
Lymphoma Malignant																										1
Thymus	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	M	+	+	+	+	+	+	47
Leukemia Mononuclear														X												1
Lymphoma Malignant																										1

INTEGUMENTARY SYSTEM

Mammary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Skin	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Basal Cell Carcinoma														X												1
Keratoacanthoma		X				X																				2
Sebaceous Gland, Adenoma				X																						1
Subcutaneous Tissue, Fibroma														X							X					3

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 x .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

Date Report Requested: 09/24/2007
Time Report Requested: 12:14:59
First Dose M/F: 03/25/02 / 03/26/02
Lab: BAT

TDMS No. 99023 - 03
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/F 344

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
beta-Myrcene
CAS Number: 123-35-3

Date Report Reqsted: 09/24/2007
Time Report Reqsted: 12:14:59
First Dose M/F: 03/25/02 / 03/26/02
Lab: BAT

DAY ON TEST	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7	7	7	7	5	7	7	7	5	7	6	4	4	7	7	5	7	7	6	7	7	7	7	7	7	7
	3	2	2	2	2	3	3	2	1	2	7	2	7	2	2	3	3	3	8	3	3	3	2	1	2	
	0	9	9	9	8	0	0	9	6	6	4	9	4	9	9	6	0	0	4	0	0	0	9	5	9	
FISCHER 344 RATS MALE 0 G/KG ANIMAL ID	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2	2	2	2	3	3	3	3	3	3	3	3	3	3	3	4	4	4	4	4	4	4	4	4	5	
																										* TOTALS

Lung	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Alveolar/Bronchiolar Adenoma																										3
Chordoma, Metastatic, Bone																			X							1
Histiocytic Sarcoma										X																1
Leukemia Mononuclear	X				X									X		X										9
Lymphoma Malignant																										1
Osteosarcoma, Metastatic, Bone																										1
Sarcoma, Metastatic, Skin																										1
Nose	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Trachea	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50

SPECIAL SENSES SYSTEM

Eye	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Harderian Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50

URINARY SYSTEM

Kidney	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Leukemia Mononuclear															X		X									6

* .. Total animals with tissue examined microscopically; Total animals with tumor

+ .. Tissue examined microscopically

x .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

TDMS No. 99023 - 03
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/F 344

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
beta-Myrcene
CAS Number: 123-35-3

Date Report Reqsted: 09/24/2007
Time Report Reqsted: 12:14:59
First Dose M/F: 03/25/02 / 03/26/02
Lab: BAT

DAY ON TEST	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7	7	7	7	5	7	7	7	5	7	6	4	4	7	7	5	7	7	6	7	7	7	7	7	7
	3	2	2	2	2	3	3	2	1	2	7	2	7	2	2	3	3	3	8	3	3	3	2	1	2
	0	9	9	9	8	0	0	9	6	6	4	9	4	9	9	6	0	0	4	0	0	0	9	5	9
FISCHER 344 RATS MALE 0 G/KG ANIMAL ID	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2	2	2	2	3	3	3	3	3	3	3	3	3	3	4	4	4	4	4	4	4	4	4	4	5
																									* TOTALS

Lipoma																										1
Lymphoma Malignant																										1
Transitional Epithelium, Carcinoma	X																									1
Urinary Bladder	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Lymphoma Malignant																										1
Papilloma	X																									1

SYSTEMIC LESIONS

Multiple Organ	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Histiocytic Sarcoma											X															1
Leukemia Mononuclear	X				X								X		X											9
Lymphoma Malignant																										1
Mesothelioma Malignant																								X		2

* .. Total animals with tissue examined microscopically; Total animals with tumor

+ .. Tissue examined microscopically

x .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

TDMS No. 99023 - 03
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/F 344

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
beta-Myrcene
CAS Number: 123-35-3

Date Report Reqsted: 09/24/2007
Time Report Reqsted: 12:14:59
First Dose M/F: 03/25/02 / 03/26/02
Lab: BAT

DAY ON TEST		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
		7	7	7	7	7	7	5	7	7	7	7	6	7	7	7	7	7	7	7	2	7	5	7	7	
		2	2	2	2	2	3	5	2	2	2	2	1	3	2	1	2	1	3	3	3	6	3	4	2	3
		9	9	9	9	9	0	0	9	9	9	6	1	0	6	7	9	3	0	0	0	1	0	4	9	0
FISCHER 344 RATS MALE ANIMAL ID 0.25 G/KG		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
		5	5	5	5	5	5	5	5	5	6	6	6	6	6	6	6	6	6	6	7	7	7	7	7	
		1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5
males (cont...)																										

TDMS No. 99023 - 03
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/F 344

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
beta-Myrcene
CAS Number: 123-35-3

Date Report Reqsted: 09/24/2007
Time Report Reqsted: 12:14:59
First Dose M/F: 03/25/02 / 03/26/02
Lab: BAT

DAY ON TEST		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
		7	7	7	7	7	7	5	7	7	7	7	6	7	7	7	7	7	7	7	2	7	5	7	7		
		2	2	2	2	2	3	5	2	2	2	2	1	3	2	1	2	1	3	3	3	6	3	4	2	3	
		9	9	9	9	9	0	0	9	9	9	6	1	0	6	7	9	3	0	0	0	1	0	4	9	0	
.....																											
FISCHER 344 RATS MALE 0.25 G/KG		ANIMAL ID	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
			5	5	5	5	5	5	5	5	5	6	6	6	6	6	6	6	6	6	7	7	7	7	7	7	
			1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5
males (cont...)																											

Pancreas

+ +

Salivary Glands

+ +

Stomach, Forestomach

+ +

Stomach, Glandular

+ +

CARDIOVASCULAR SYSTEM

Blood Vessel

+ +

Heart

+ +

Leukemia Mononuclear

X

ENDOCRINE SYSTEM

Adrenal Cortex

+ +

Adenoma

X

Carcinoma, Metastatic, Kidney

Leukemia Mononuclear

Lymphoma Malignant

* .. Total animals with tissue examined microscopically; Total animals with tumor
+ .. Tissue examined microscopically
x .. Lesion present
I .. Insufficient tissue

M .. Missing tissue
A .. Autolysis precludes evaluation
BLANK .. Not examined microscopically

TDMS No. 99023 - 03
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/F 344

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
beta-Myrcene
CAS Number: 123-35-3

Date Report Reqsted: 09/24/2007
Time Report Reqsted: 12:14:59
First Dose M/F: 03/25/02 / 03/26/02
Lab: BAT

| | | 0 |
|-----------------------------------|--|--------------------|
| DAY ON TEST | | 7 | 7 | 7 | 7 | 7 | 7 | 5 | 7 | 7 | 7 | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 2 | 7 | 5 | 7 | 7 | 7 | 7 |
| | | 2 | 2 | 2 | 2 | 2 | 3 | 5 | 2 | 2 | 2 | 2 | 1 | 3 | 2 | 1 | 2 | 1 | 3 | 3 | 3 | 6 | 3 | 4 | 2 | 3 | 3 |
| | | 9 | 9 | 9 | 9 | 9 | 0 | 0 | 9 | 9 | 9 | 6 | 1 | 0 | 6 | 7 | 9 | 3 | 0 | 0 | 0 | 1 | 0 | 4 | 9 | 0 | 0 |
| | | |
| FISCHER 344 RATS MALE | | 0 |
| ANIMAL ID | | 0 |
| 0.25 G/KG | | 0 |
| | | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | males
(cont...) |
| Adrenal Medulla | | + | |
| Leukemia Mononuclear | | | | | | | | | | | | | | X | | | | | | | | | | | | | |
| Pheochromocytoma Benign | | | | | X | |
| Pheochromocytoma Benign, Multiple | | |
| | | |
| Islets, Pancreatic | | + | |
| | | |
| Parathyroid Gland | | + | M | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | |
| | | |
| Pituitary Gland | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | |
| Pars Distalis, Adenoma | | | | X | | X | | | | | | X | X | | | | | X | X | X | | | | | | | |
| Pars Distalis, Adenoma, Multiple | | | | | | X | |
| | | |
| Thyroid Gland | | + | |
| Bilateral, C-cell, Adenoma | | |
| C-cell, Adenoma | | | | | | | | | | X | | | | | | | X | | | | | | | | | | |
| Follicle, Adenoma | | X | | | X | |
| Follicle, Carcinoma | | | | | | | | | | | | | X | | | | | | | | | | | | | | |

GENERAL BODY SYSTEM
NONE

GENITAL SYSTEM

* .. Total animals with tissue examined microscopically; Total animals with tumor
+ .. Tissue examined microscopically
x .. Lesion present
I .. Insufficient tissue

M .. Missing tissue
A .. Autolysis precludes evaluation
BLANK .. Not examined microscopically

CAS Number: 123-35-3

[illegible]

Page 23

TDMS No. 99023 - 03
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/F 344

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
beta-Myrcene
CAS Number: 123-35-3

Date Report Reqsted: 09/24/2007
Time Report Reqsted: 12:14:59
First Dose M/F: 03/25/02 / 03/26/02
Lab: BAT

| | | |
|--|--|--------------------|
| DAY ON TEST | | 0 | |
| | | 7 | 7 | 7 | 7 | 7 | 7 | 5 | 7 | 7 | 7 | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 2 | 7 | 5 | 7 | 7 | |
| | | 2 | 2 | 2 | 2 | 2 | 3 | 5 | 2 | 2 | 2 | 2 | 1 | 3 | 2 | 1 | 2 | 1 | 3 | 3 | 3 | 6 | 3 | 4 | 2 | 3 |
| | | 9 | 9 | 9 | 9 | 9 | 0 | 0 | 9 | 9 | 9 | 6 | 1 | 0 | 6 | 7 | 9 | 3 | 0 | 0 | 0 | 1 | 0 | 4 | 9 | 0 |
| FISCHER 344 RATS MALE
ANIMAL ID
0.25 G/KG | | 0 | |
| | | 0 | |
| | | 0 | |
| | | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | |
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 |
| Leukemia Mononuclear
Lymphoma Malignant | | males
(cont...) |
| | | |
| | | |
| | | |
| | | |
| Lymph Node
Deep Cervical, Leukemia Mononuclear
Mediastinal, Leukemia Mononuclear
Pancreatic, Leukemia Mononuclear
Pancreatic, Lymphoma Malignant | | |
| | | |
| | | |
| | | |
| | | |
| Lymph Node, Mandibular
Lymph Node, Mesenteric
Lymphoma Malignant
Mesenchymal Tumor Malignant,
Metastatic, Kidney | | |
| | | |
| | | |
| | | |
| | | |
| Spleen
Leukemia Mononuclear
Lymphoma Malignant | | |
| | | |
| | | |
| | | |
| | | |
| Thymus | | |
| | | |

TDMS No. 99023 - 03
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/F 344

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
beta-Myrcene
CAS Number: 123-35-3

Date Report Reqsted: 09/24/2007
Time Report Reqsted: 12:14:59
First Dose M/F: 03/25/02 / 03/26/02
Lab: BAT

| DAY ON TEST | | 0 | |
|------------------------------------|--|---|
| | | 7 | 7 | 7 | 7 | 7 | 7 | 5 | 7 | 7 | 7 | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 2 | 7 | 5 | 7 | 7 | |
| | | 2 | 2 | 2 | 2 | 2 | 3 | 5 | 2 | 2 | 2 | 2 | 1 | 3 | 2 | 1 | 2 | 1 | 3 | 3 | 3 | 6 | 3 | 4 | 2 | 3 |
| | | 9 | 9 | 9 | 9 | 9 | 0 | 0 | 9 | 9 | 9 | 6 | 1 | 0 | 6 | 7 | 9 | 3 | 0 | 0 | 0 | 1 | 0 | 4 | 9 | 0 |
| | | |
| FISCHER 344 RATS MALE
ANIMAL ID | | 0 | |
| | | 0 | |
| | | 0 | |
| 0.25 G/KG | | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | |
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 |
| males (cont...) | | |

Mammary Gland +
Fibroadenoma X

Skin +
Basal Cell Adenoma
Keratoacanthoma X X X X
Trichoepithelioma
Sebaceous Gland, Adenoma X
Subcutaneous Tissue, Fibroma X X
Subcutaneous Tissue, Fibrosarcoma X
Subcutaneous Tissue, Lipoma X

MUSCULOSKELETAL SYSTEM

Bone +
Skeletal Muscle
Hemangiosarcoma

NERVOUS SYSTEM

Brain +
Leukemia Mononuclear X X

* .. Total animals with tissue examined microscopically; Total animals with tumor
+ .. Tissue examined microscopically
x .. Lesion present
I .. Insufficient tissue
M .. Missing tissue
A .. Autolysis precludes evaluation
BLANK .. Not examined microscopically

TDMS No. 99023 - 03
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beta-Myrcene
CAS Number: 123-35-3

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| | | | |
|---|--|--------------------|---|
| DAY ON TEST | | 0 | | | |
| | | 7 | 7 | 7 | 7 | 7 | 7 | 5 | 7 | 7 | 7 | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 2 | 7 | 5 | 7 | | 7 | |
| | | 2 | 2 | 2 | 2 | 2 | 3 | 5 | 2 | 2 | 2 | 2 | 1 | 3 | 2 | 1 | 2 | 1 | 3 | 3 | 3 | 6 | 3 | 4 | | 2 | 3 |
| | | 9 | 9 | 9 | 9 | 9 | 0 | 0 | 9 | 9 | 9 | 6 | 1 | 0 | 6 | 7 | 9 | 3 | 0 | 0 | 0 | 1 | 0 | 4 | | 9 | 0 |
| | | | |
| FISCHER 344 RATS MALE
ANIMAL ID
0.25 G/KG | | 0 | males
(cont...) | |
| | | 0 | | |
| | | 0 | | |
| | | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | | |
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | | 5 |

Cranial Nerve, Schwannoma Malignant X

RESPIRATORY SYSTEM

| | | |
|--|---|--|
| Lung | + | |
| Alveolar/Bronchiolar Adenoma | | | | | | | | X | | | | | X | | | | | | | | | | | | | |
| Alveolar/Bronchiolar Adenoma, Multiple | X | | |
| Carcinoma, Metastatic, Kidney | |
| Carcinoma, Metastatic, Preputial Gland | |
| Leukemia Mononuclear | | | | | | | | X | | | | | X | X | | | | | | | | | X | X | | |
| Lymphoma Malignant | |
| Mesenchymal Tumor Malignant,
Metastatic, Kidney | | | | | | | | | | | | | | | | | | X | | | | | | | | |
| | | |
| Nose | + | |
| | | |
| Trachea | + | |

SPECIAL SENSES SYSTEM

| |
|-----------------|
| Eye | + |
| Harderian Gland | + |
| Carcinoma | | | | | | | | | | | | X | | | | | | | | | | | | | |

* .. Total animals with tissue examined microscopically; Total animals with tumor

+ .. Tissue examined microscopically

x .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

| | | | | | |
|------------------------------------|---|-----------|--------------------|---|---|
| DAY ON TEST | | 0 | 0 | 0 | |
| | | 7 | 7 | 7 | 7 | 7 | 7 | 5 | 7 | 7 | 7 | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 2 | 7 | 5 | 7 | 7 | |
| | | 2 | 2 | 2 | 2 | 2 | 3 | 5 | 2 | 2 | 2 | 2 | 1 | 3 | 2 | 1 | 2 | 1 | 3 | 3 | 3 | 6 | 3 | 4 | 2 | 3 |
| | | 9 | 9 | 9 | 9 | 9 | 0 | 0 | 9 | 9 | 9 | 6 | 1 | 0 | 6 | 7 | 9 | 3 | 0 | 0 | 0 | 1 | 0 | 4 | 9 | 0 |
| FISCHER 344 RATS MALE
0.25 G/KG | | ANIMAL ID | | males
(cont...) | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| 0 | 0 | 0 | 0 | | |
| 0 | 0 | 0 | 0 | | |
| 0 | 0 | 0 | 0 | | |
| 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | | |

Zymbal's Gland Carcinoma

URINARY SYSTEM

[illegible]

SYSTEMIC LESIONS

[illegible]

M .. Missing tissue
A .. Autolysis precludes evaluation
BLANK .. Not examined microscopically

CAS Number: 123-35-3

TDMS No. 99023 - 03
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/F 344

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
beta-Myrcene
CAS Number: 123-35-3

Date Report Reqsted: 09/24/2007
Time Report Reqsted: 12:14:59
First Dose M/F: 03/25/02 / 03/26/02
Lab: BAT

| DAY ON TEST | | 0 | | |
|---|--|----------|
| | | 7 | 7 | 7 | 7 | 6 | 5 | 7 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 4 | 7 | 7 | 7 | 7 | 7 | | |
| | | 2 | 2 | 3 | 0 | 5 | 7 | 3 | 8 | 2 | 3 | 2 | 2 | 2 | 3 | 3 | 3 | 2 | 3 | 3 | 8 | 2 | 2 | 2 | 2 | | |
| | | 9 | 9 | 0 | 4 | 2 | 8 | 0 | 4 | 1 | 0 | 9 | 9 | 9 | 0 | 0 | 1 | 9 | 0 | 0 | 6 | 9 | 9 | 9 | 9 | | |
| | | |
| FISCHER 344 RATS MALE
0.25 G/KG
ANIMAL ID | | 0 | | |
| | | 0 | | |
| | | 0 | 1 | | |
| | | 7 | 7 | 7 | 7 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 0 | | |
| 0.25 G/KG | | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | * TOTALS |

| | |
|----------------------|----|
| Pancreas | + | 50 |
| Salivary Glands | + | 50 |
| Stomach, Forestomach | + | 50 |
| Stomach, Glandular | + | 50 |

CARDIOVASCULAR SYSTEM

| | |
|----------------------|----|
| Blood Vessel | + | 50 |
| Heart | + | 50 |
| Leukemia Mononuclear | | 1 |

ENDOCRINE SYSTEM

| | |
|-------------------------------|----|
| Adrenal Cortex | + | 50 |
| Adenoma | 1 |
| Carcinoma, Metastatic, Kidney | | | | | | X | | | | | | | | | | | | | | | | | | | | 1 |
| Leukemia Mononuclear | X | | | | | | 1 |
| Lymphoma Malignant | | | | | | | | | | X | | | | | | | | | | | | | | | | 1 |

* .. Total animals with tissue examined microscopically; Total animals with tumor

+ .. Tissue examined microscopically

x .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

TDMS No. 99023 - 03
Test Type: CHRONIC
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P04: NEOPLASMS BY INDIVIDUAL ANIMAL
beta-Myrcene
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Time Report Reqsted: 12:14:59
First Dose M/F: 03/25/02 / 03/26/02
Lab: BAT

| FISCHER 344 RATS MALE
0.25 G/KG | | DAY ON TEST | |
|------------------------------------|--|-------------|----------|
| | | 079 | 079 | 070 | 074 | 062 | 058 | 073 | 064 | 061 | 077 | 079 | 079 | 079 | 073 | 070 | 071 | 079 | 077 | 073 | 038 | 028 | 077 | 072 | 079 | 072 | 079 |
| | | 079 | 079 | 070 | 074 | 062 | 058 | 073 | 064 | 061 | 077 | 079 | 079 | 079 | 073 | 070 | 071 | 079 | 077 | 073 | 038 | 028 | 077 | 072 | 079 | 072 | 079 |
| ANIMAL ID | | 0007 | 0007 | 0003 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0004 | 0006 | 0009 | 0009 | 0009 | 0009 | 0009 | 0009 |
| | | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0004 | 0006 | 0009 | 0009 | 0009 | 0009 | 0009 |
| | | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0004 | 0006 | 0009 | 0009 | 0009 | 0009 | 0009 |
| | | 0007 | 0007 | 0007 | 0007 | 0008 | 0008 | 0008 | 0008 | 0008 | 0008 | 0008 | 0008 | 0008 | 0008 | 0009 | 0009 | 0009 | 0009 | 0009 | 0009 | 0009 | 0009 | 0009 | 0009 | 0009 | 0009 |
| | | 0006 | 0007 | 0008 | 0009 | 0000 | 0001 | 0002 | 0003 | 0004 | 0005 | 0006 | 0007 | 0008 | 0009 | 0000 | 0001 | 0002 | 0003 | 0004 | 0005 | 0006 | 0007 | 0008 | 0009 | 0000 | * TOTALS |
| Adrenal Medulla | | + | + | 50 | |
| Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | X | | | | | | 2 | |
| Pheochromocytoma Benign | | X | | | | | | | | | X | | X | | X | | | | | | | | | | | 5 | |
| Pheochromocytoma Benign, Multiple | | | | | | | | | | | | | | | | X | | | | | | | | | | 1 | |
| Islets, Pancreatic | | + | + | 50 | |
| Parathyroid Gland | | + | + | 47 | |
| Pituitary Gland | | + | + | 49 | |
| Pars Distalis, Adenoma | | | | | | | | | | | | | | | | | | | | | X | | | | X | 9 | |
| Pars Distalis, Adenoma, Multiple | | | 1 | |
| Thyroid Gland | | + | + | 50 | |
| Bilateral, C-cell, Adenoma | | | X | | | | 1 | |
| C-cell, Adenoma | | | | | X | | | | | | X | | | | | | | | | | | | | X | | 5 | |
| Follicle, Adenoma | | | 2 | |
| Follicle, Carcinoma | | | X | | | 2 | |

GENERAL BODY SYSTEM
NONE

GENITAL SYSTEM

* .. Total animals with tissue examined microscopically; Total animals with tumor
+ .. Tissue examined microscopically
x .. Lesion present
I .. Insufficient tissue

M .. Missing tissue
A .. Autolysis precludes evaluation
BLANK .. Not examined microscopically

TDMS No. 99023 - 03
 Test Type: CHRONIC
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beta-Myrcene

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 Lab: BAT

| | | 0 |
|-----------------------|--|---|
| DAY ON TEST | | 7 | 7 | 7 | 7 | 6 | 5 | 7 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 4 | 7 | 7 | 7 | 7 | 7 |
| | | 2 | 2 | 3 | 0 | 5 | 7 | 3 | 8 | 2 | 3 | 2 | 2 | 2 | 3 | 3 | 3 | 2 | 3 | 3 | 8 | 2 | 2 | 2 | 2 | 2 |
| | | 9 | 9 | 0 | 4 | 2 | 8 | 0 | 4 | 1 | 0 | 9 | 9 | 9 | 9 | 0 | 0 | 1 | 9 | 0 | 0 | 6 | 9 | 9 | 9 | 9 |
| | | |
| FISCHER 344 RATS MALE | | 0 |
| ANIMAL ID | | 0 |
| 0.25 G/KG | | 0 |
| | | 7 | 7 | 7 | 7 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 0 |
| | | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 |
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HEMATOPOIETIC SYSTEM

| | |
|-------------|----|
| Bone Marrow | + | 50 |
|-------------|----|

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 x .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

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Lab: BAT

| | | 0 | | | |
|---|--|----------|---|--|---|
| DAY ON TEST | | 7 | 7 | 7 | 7 | 6 | 5 | 7 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 4 | 7 | 7 | 7 | 7 | 7 | 7 | | | |
| | | 2 | 2 | 3 | 0 | 5 | 7 | 3 | 8 | 2 | 3 | 2 | 2 | 2 | 3 | 3 | 3 | 2 | 3 | 3 | 8 | 2 | 2 | 2 | 2 | 2 | 2 | | | |
| | | 9 | 9 | 0 | 4 | 2 | 8 | 0 | 4 | 1 | 0 | 9 | 9 | 9 | 9 | 0 | 0 | 1 | 9 | 0 | 0 | 6 | 9 | 9 | 9 | 9 | 9 | | | |
| | | | | | |
| FISCHER 344 RATS MALE | | 0 | | | |
| ANIMAL ID | | 0 | | | |
| 0.25 G/KG | | 0 | | | |
| | | 7 | 7 | 7 | 7 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 0 | | | |
| | | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | * TOTALS | | | |
| Leukemia Mononuclear | | X | | | | X | | | | | | | | | | | | | | | | | | | | 4 | | | | |
| Lymphoma Malignant | | | | | | | | | | X | | | | | | | | | | | | | | | | | | 1 | | |
| Lymph Node | | + | | | | | | | | | | | | | | | | + | | | | | | | | | | | | 5 |
| Deep Cervical, Leukemia Mononuclear | | | | | 1 |
| Mediastinal, Leukemia Mononuclear | | | | | 1 |
| Pancreatic, Leukemia Mononuclear | | | | | 1 |
| Pancreatic, Lymphoma Malignant | | | | | | | | | | | | | | | | | | X | | | | | | | | | | | | 1 |
| Lymph Node, Mandibular | | M | 0 | | | |
| Lymph Node, Mesenteric | | + | 50 | | | |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | | X | | | | | | | | | | | | 1 |
| Mesenchymal Tumor Malignant, Metastatic, Kidney | | | 1 | | |
| Spleen | | + | 50 | | | |
| Leukemia Mononuclear | | | | | | X | | | | | | | | | | X | | X | | | | | | | | | | 9 | | |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | | X | | | | | | | | | | | | 1 |
| Thymus | | + | 50 | | | |

INTEGUMENTARY SYSTEM

* .. Total animals with tissue examined microscopically; Total animals with tumor

+ .. Tissue examined microscopically

x .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

TDMS No. 99023 - 03
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beta-Myrcene
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Lab: BAT

| DAY ON TEST | | 0 |
|------------------------------------|--|----------|
| | | 7 | 7 | 7 | 7 | 6 | 5 | 7 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 4 | 7 | 7 | 7 | 7 | 7 | 7 |
| | | 2 | 2 | 3 | 0 | 5 | 7 | 3 | 8 | 2 | 3 | 2 | 2 | 2 | 3 | 3 | 3 | 2 | 3 | 3 | 8 | 2 | 2 | 2 | 2 | 2 | 2 |
| | | 9 | 9 | 0 | 4 | 2 | 8 | 0 | 4 | 1 | 0 | 9 | 9 | 9 | 9 | 0 | 0 | 1 | 9 | 0 | 0 | 6 | 9 | 9 | 9 | 9 | 9 |
| FISCHER 344 RATS MALE
ANIMAL ID | | |
| | | 0 | |
| | | 0 | |
| | | 0 | 1 | |
| | | 7 | 7 | 7 | 7 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 0 |
| 0.25 G/KG | | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | * TOTALS |

| | |
|-----------------------------------|----|
| Mammary Gland | + | 50 |
| Fibroadenoma | | | | | | | | | | X | | | | | | | | | | | | | | | | | 2 |
| Skin | + | 50 |
| Basal Cell Adenoma | | | X | | 1 |
| Keratoacanthoma | | | | | | | | | | X | | | | | | | | | X | | | | | | | | 6 |
| Trichoepithelioma | | | | | | | | | | | | | | | X | | | | | | | | | | | | 1 |
| Sebaceous Gland, Adenoma | 1 |
| Subcutaneous Tissue, Fibroma | | | | | | | X | | | | | X | | | | | | | | | | | | | | | 4 |
| Subcutaneous Tissue, Fibrosarcoma | | 1 |
| Subcutaneous Tissue, Lipoma | 2 |

MUSCULOSKELETAL SYSTEM

| | |
|-----------------|----|
| Bone | + | 50 |
| Skeletal Muscle | | | | | | | | | | | | | | | | | | | | + | | | | | | | 1 |
| Hemangiosarcoma | | | | | | | | | | | | | | | | | | | | X | | | | | | | 1 |

NERVOUS SYSTEM

| | |
|----------------------|----|
| Brain | + | 50 |
| Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | X | | | | | | | 3 |

* .. Total animals with tissue examined microscopically; Total animals with tumor

+ .. Tissue examined microscopically

x .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

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BLANK .. Not examined microscopically

Date Report Requested: 09/24/2007
Time Report Requested: 12:14:59
First Dose M/F: 03/25/02 / 03/26/02
Lab: BAT

| | | | |
|--|--|-----------|----------|
| DAY ON TEST | | 0 | 0 | | | |
| | | 7 | 7 | 7 | 7 | 6 | 5 | 7 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 4 | 7 | 7 | 7 | 7 | 7 | | |
| | | 2 | 2 | 3 | 0 | 5 | 7 | 3 | 8 | 2 | 3 | 2 | 2 | 2 | 3 | 3 | 3 | 2 | 3 | 3 | 8 | 2 | 2 | 2 | 2 | 2 | |
| | | 9 | 9 | 0 | 4 | 2 | 8 | 0 | 4 | 1 | 0 | 9 | 9 | 9 | 9 | 0 | 0 | 1 | 9 | 0 | 0 | 6 | 9 | 9 | 9 | 9 | |
| <hr/> | | | |
| FISCHER 344 RATS MALE

0.25 G/KG | | ANIMAL ID | |
| | | 0 | 0 | | |
| | | 0 | 0 | | |
| | | 0 | 0 | 1 | | |
| | | 7 | 7 | 7 | 7 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 0 | |
| | | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | * TOTALS |

| | | |
|----------------|---|----------|
| Zymbal's Gland | + | 1 |
| Carcinoma | X | 1 |

URINARY SYSTEM

[illegible]

SYSTEMIC LESIONS

[illegible]

M .. Missing tissue
A .. Autolysis precludes evaluation
BLANK .. Not examined microscopically

TDMS No. 99023 - 03
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/F 344

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
beta-Myrcene
CAS Number: 123-35-3

Date Report Reqsted: 09/24/2007
Time Report Reqsted: 12:14:59
First Dose M/F: 03/25/02 / 03/26/02
Lab: BAT

| | | |
|--|--|---|
| DAY ON TEST | | 0 | | |
| | | 6 | 7 | 7 | 6 | 6 | 7 | 7 | 7 | 7 | 0 | 7 | 5 | 7 | 7 | 7 | 6 | 7 | 7 | 7 | 5 | 7 | 7 | 7 | 7 | |
| | | 6 | 3 | 3 | 8 | 6 | 3 | 2 | 3 | 3 | 0 | 2 | 4 | 3 | 3 | 2 | 7 | 3 | 3 | 1 | 6 | 3 | 3 | 0 | 2 | 0 |
| | | 6 | 0 | 0 | 4 | 6 | 1 | 9 | 1 | 0 | 9 | 9 | 9 | 0 | 0 | 9 | 3 | 0 | 0 | 3 | 0 | 0 | 0 | 4 | 9 | 9 |
| | | |
| FISCHER 344 RATS MALE
ANIMAL ID
0.5 G/KG | | 0 | |
| | | 0 | |
| | | 1 | |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | |
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 |
| males (cont...) | | |

ALIMENTARY SYSTEM

| |
|---------------------------|
| Esophagus | + |
| Intestine Large, Cecum | + |
| Intestine Large, Colon | + |
| Intestine Large, Rectum | + |
| Intestine Small, Duodenum | + |
| Intestine Small, Ileum | + |
| Intestine Small, Jejunum | + |
| Liver | + |
| Hepatocellular Adenoma | X |
| Leukemia Mononuclear | X | | | X | X | | X | | | | | X | | X | | X | | | | | | | | X |
| Mesentery | + | | + |
| Mesothelioma Malignant |
| Pancreas | + |
| Adenoma | X | | |

* .. Total animals with tissue examined microscopically; Total animals with tumor

+ .. Tissue examined microscopically

x .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

TDMS No. 99023 - 03
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CAS Number: 123-35-3

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First Dose M/F: 03/25/02 / 03/26/02
Lab: BAT

| | | |
|---------------------------------------|--|-----------------|
| DAY ON TEST | | 0 | 0 | |
| | | 6 | 7 | 7 | 6 | 6 | 7 | 7 | 7 | 7 | 0 | 7 | 5 | 7 | 7 | 7 | 6 | 7 | 7 | 7 | 5 | 7 | 7 | 7 | 7 |
| | | 6 | 3 | 3 | 8 | 6 | 3 | 2 | 3 | 3 | 0 | 2 | 4 | 3 | 3 | 2 | 7 | 3 | 3 | 1 | 6 | 3 | 3 | 0 | 2 |
| | | 6 | 0 | 0 | 4 | 6 | 1 | 9 | 1 | 0 | 9 | 9 | 9 | 0 | 0 | 9 | 3 | 0 | 0 | 3 | 0 | 0 | 0 | 4 | 9 |
| FISCHER 344 RATS MALE

0.5 G/KG | | |
| | | ANIMAL ID |
| | | 0 | 0 |
| | | 0 | 0 |
| | | 1 | 1 |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2 |
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 |
| | | males (cont...) | |

| |
|----------------------|
| Leukemia Mononuclear | |
| Salivary Glands | + |
| Stomach, Forestomach | + |
| Leukemia Mononuclear | X | |
| Stomach, Glandular | + |
| Leukemia Mononuclear | X | | | | | | X | | | | | | | | | | | | | | | | | | |

CARDIOVASCULAR SYSTEM

| |
|--------------------------------|
| Blood Vessel | + |
| Heart | + |
| Leukemia Mononuclear | X | | | | | | | | | | | | | | | X | | | | | | | | | |
| Osteosarcoma, Metastatic, Bone | |

ENDOCRINE SYSTEM

| |
|----------------------|
| Adrenal Cortex | + |
| Leukemia Mononuclear | |
| Adrenal Medulla | + |

* .. Total animals with tissue examined microscopically; Total animals with tumor

+ .. Tissue examined microscopically

x .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

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BLANK .. Not examined microscopically

TDMS No. 99023 - 03
Test Type: CHRONIC
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| | | | | | | | | | | | | | | | | | | |
|------------------------------------|-------------|---|-----------------------|---|---|--|--|--|---|--|--|--|--|---|--|--|--|--|
| FISCHER 344 RATS MALE
0.5 G/KG | DAY ON TEST | 0
6
6
6 | 0
7
3
0 | 0
7
3
0 | 0
6
8
4 | 0
6
6
6 | 0
7
3
1 | 0
7
2
9 | 0
7
3
1 | 0
7
3
0 | 0
7
3
9 | 0
7
2
9 | 0
5
4
9 | 0
7
3
0 | 0
7
2
9 | 0
6
3
3 | 0
7
3
0 | 0
7
3
0 | 0
5
6
3 | 0
7
3
0 | 0
7
3
0 | 0
7
3
0 | 0
7
3
4 | 0
7
2
9 | 0
0
0
9 | | | | | | | | | | | | | | | | |
| | ANIMAL ID | 0
0
1
0
1 | 0
0
1
0
2 | 0
0
1
0
3 | 0
0
1
0
4 | 0
0
1
0
5 | 0
0
1
0
6 | 0
0
1
0
7 | 0
0
1
0
8 | 0
0
1
0
9 | 0
0
1
0
0 | 0
0
1
1
1 | 0
0
1
1
2 | 0
0
1
1
3 | 0
0
1
1
4 | 0
0
1
1
5 | 0
0
1
1
6 | 0
0
1
1
7 | 0
0
1
1
8 | 0
0
1
1
9 | 0
0
2
2
0 | 0
0
2
2
1 | 0
0
2
2
2 | 0
0
2
2
3 | 0
0
2
2
4 | 0
0
2
2
5 | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | |
| Pheochromocytoma Benign | | X | | | X | | | | | | | | | | | | | |
| Bilateral, Pheochromocytoma Benign | | | | | | | | | | | | | | | | | | |
| Islets, Pancreatic | | + | | | | | | | | | | | | | | | | |
| Parathyroid Gland | | + + + + + + + + + + + + M + + + + M + + + + + + + + | | | | | | | | | | | | | | | | |
| Pituitary Gland | | + | | | | | | | | | | | | | | | | |
| Pars Distalis, Adenoma | | X | | | | | | | | | | | | | X | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Thyroid Gland | | + | | | | | | | | | | | | | | | | |
| C-cell, Adenoma | | X | | X | | | | | X | | | | | | | | | |
| Follicle, Adenoma | | | | | | | | | | | | | | X | | | | |
| Follicle, Carcinoma | | | | | | | | | X | | | | | | | | | |

GENERAL BODY SYSTEM
NONE

GENITAL SYSTEM

| |
|------------------------|
| Epididymis | + |
| Mesothelioma Benign | X | |
| Mesothelioma Malignant | |

* .. Total animals with tissue examined microscopically; Total animals with tumor

+ .. Tissue examined microscopically

x .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

TDMS No. 99023 - 03
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/F 344

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beta-Myrcene
CAS Number: 123-35-3

Date Report Reqsted: 09/24/2007
Time Report Reqsted: 12:14:59
First Dose M/F: 03/25/02 / 03/26/02
Lab: BAT

| DAY ON TEST | 0 | 0 |
|---------------------------------------|-----------|
| | 6 | 7 | 7 | 6 | 6 | 7 | 7 | 7 | 7 | 0 | 7 | 5 | 7 | 7 | 7 | 6 | 7 | 7 | 7 | 5 | 7 | 7 | 7 | 7 | 7 | 7 |
| FISCHER 344 RATS MALE
0.5 G/KG | ANIMAL ID | 0 |
| | | 0 |
| | | 1 |
| | | 0 |
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 |
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 |
| Preputial Gland | | + |
| Prostate | | + |
| Adenoma | |
| Seminal Vesicle | | + |
| Testes | | + |
| Bilateral, Interstitial Cell, Adenoma | | | X | X | X | X | X | X | X | | X | X | X | X | | X | X | X | X | X | | | | X | X | X |
| Interstitial Cell, Adenoma | | X | | | | | | | | | | | | | | X | | | | | | X | X | | | |
| Tunic, Mesothelioma Benign | | | | | X | |
| Tunic, Mesothelioma Malignant | |

HEMATOPOIETIC SYSTEM

| |
|-------------------------------------|
| Bone Marrow | + |
| Leukemia Mononuclear |
| Lymph Node |
| Deep Cervical, Leukemia Mononuclear | |
| Mediastinal, Leukemia Mononuclear |
| Pancreatic, Leukemia Mononuclear |
| Lymph Node, Mandibular | M | M | M | M | M | M | + | M | M | M | M | M | M | M | M | M | M | M | M | M | M | M | M | M | M |

* .. Total animals with tissue examined microscopically; Total animals with tumor

+ .. Tissue examined microscopically

x .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

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beta-Myrcene
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Time Report Reqsted: 12:14:59
First Dose M/F: 03/25/02 / 03/26/02
Lab: BAT

| DAY ON TEST | | 0 |
|------------------------|--|---|
| | | 6 | 7 | 7 | 6 | 6 | 7 | 7 | 7 | 7 | 0 | 7 | 5 | 7 | 7 | 7 | 6 | 7 | 7 | 7 | 5 | 7 | 7 | 7 | 7 | 7 |
| | | 6 | 3 | 3 | 8 | 6 | 3 | 2 | 3 | 3 | 0 | 2 | 4 | 3 | 3 | 2 | 7 | 3 | 3 | 1 | 6 | 3 | 3 | 0 | 2 | 0 |
| | | 6 | 0 | 0 | 4 | 6 | 1 | 9 | 1 | 0 | 9 | 9 | 9 | 0 | 0 | 9 | 3 | 0 | 0 | 3 | 0 | 0 | 0 | 4 | 9 | 9 |
| FISCHER 344 RATS MALE | | 0 |
| ANIMAL ID | | 0 |
| 0.5 G/KG | | 1 |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2 |
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 |
| Leukemia Mononuclear | | |
| | | |
| Lymph Node, Mesenteric | | + |
| Leukemia Mononuclear | | |
| Spleen | | + |
| Leukemia Mononuclear | | X | | | X | | X | | | | | X | | X | | X | | | | | | | | | | X |
| Thymus | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + |
| Leukemia Mononuclear | | X | | | | | X | | | | | | | | | | X | | | | | | | | | |

INTEGUMENTARY SYSTEM

| Mammary Gland | | + | M | + |
|---|--|---|
| Fibroadenoma | | | | | | | | X | X | | | X | | | | | | | | | | | | X | | |
| Skin | | + |
| Basal Cell Adenoma | | |
| Keratoacanthoma | | |
| Subcutaneous Tissue, Fibroma | | X | | X | | | | | | | | | | X | | | | | | | | | | | | |
| Subcutaneous Tissue, Fibrosarcoma | | | | | | | | | | | | X | | | | | | | | | | | | | | |
| Subcutaneous Tissue, Fibrous Histiocytoma | | | | X | |

* .. Total animals with tissue examined microscopically; Total animals with tumor
+ .. Tissue examined microscopically
x .. Lesion present
I .. Insufficient tissue

M .. Missing tissue
A .. Autolysis precludes evaluation
BLANK .. Not examined microscopically

| | | |
|-----------------------------------|--|-----------------|
| DAY ON TEST | | 0 | 0 | |
| | | 6 | 7 | 7 | 6 | 6 | 7 | 7 | 7 | 7 | 0 | 7 | 5 | 7 | 7 | 7 | 6 | 7 | 7 | 7 | 5 | 7 | 7 | 7 | 7 | 7 |
| | | 6 | 3 | 3 | 8 | 6 | 3 | 2 | 3 | 3 | 0 | 2 | 4 | 3 | 3 | 2 | 7 | 3 | 3 | 1 | 6 | 3 | 3 | 0 | 2 | 0 |
| | | 6 | 0 | 0 | 4 | 6 | 1 | 9 | 1 | 0 | 9 | 9 | 9 | 0 | 0 | 9 | 3 | 0 | 0 | 3 | 0 | 0 | 0 | 4 | 9 | 9 |
| FISCHER 344 RATS MALE
0.5 G/KG | | ANIMAL ID |
| | | 0 | 0 | |
| | | 0 | 0 | |
| | | 1 | 1 | |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2 |
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 |
| | | males (cont...) | |

MUSCULOSKELETAL SYSTEM

[illegible]

NERVOUS SYSTEM

[illegible]

RESPIRATORY SYSTEM

[illegible]

M .. Missing tissue
A .. Autolysis precludes evaluation
BLANK .. Not examined microscopically

TDMS No. 99023 - 03
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/F 344

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
beta-Myrcene
CAS Number: 123-35-3

Date Report Reqsted: 09/24/2007
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First Dose M/F: 03/25/02 / 03/26/02
Lab: BAT

| | | | | | | | | |
|-----------------------------------|--|-------|--------------------|---|--|--|--|--|
| DAY ON TEST | | 0 | 0 | | | | | |
| | | 6 | 7 | 7 | 6 | 6 | 7 | 7 | 7 | 7 | 0 | 7 | 5 | 7 | 7 | 6 | 7 | 7 | 7 | 5 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | | | | | |
| | | 6 | 3 | 3 | 8 | 6 | 3 | 2 | 3 | 3 | 0 | 2 | 4 | 3 | 3 | 2 | 7 | 3 | 3 | 1 | 6 | 3 | 3 | 0 | 2 | 0 | 0 | | | | | |
| | | 6 | 0 | 0 | 4 | 6 | 1 | 9 | 1 | 0 | 9 | 9 | 9 | 0 | 0 | 9 | 3 | 0 | 0 | 3 | 0 | 0 | 0 | 4 | 9 | 9 | 9 | | | | | |
| FISCHER 344 RATS MALE
0.5 G/KG | | | | | | | | |
| | | 0 | 0 | | | | | |
| | | 0 | 0 | | | | | |
| | | 1 | 1 | | | | | |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | | | | | |
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | males
(cont...) | | | | | |
| Nose | | + | + | | | | | | |
| Trachea | | | | | | | | |
| | | + | + | | | | | |
| SPECIAL SENSES SYSTEM | | | | | | | | |
| Eye | | | | | | | | |
| | | + | + | | | | | |
| Harderian Gland | | | | | | | | |
| Adenoma | | + | + | | | | | |
| | | | | | | | | | | | | | | | | | | | X | | | | | | | | | | | | | |
| URINARY SYSTEM | | | | | | | | |
| Kidney | | | | | | | | |
| | | + | + | | | | | |
| Hemangioma | | | | X | | | | |
| Leukemia Mononuclear | | | | | | | | | | X | | | | | | | | | | | | | | | | | | | | | | |
| Nephroblastoma | | | | | | | | |
| Renal Tubule, Adenoma | | | | | | | | | | | | | | X | | | | | | | | | | | | | | | | | | |
| Renal Tubule, Adenoma, Multiple | | | | | | | | |
| Renal Tubule, Carcinoma | | | | | | | | | | X | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | |
| Urinary Bladder | | + | + | | | | | |

* .. Total animals with tissue examined microscopically; Total animals with tumor
+ .. Tissue examined microscopically
x .. Lesion present
I .. Insufficient tissue

M .. Missing tissue
A .. Autolysis precludes evaluation
BLANK .. Not examined microscopically

TDMS No. 99023 - 03
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/F 344

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
beta-Myrcene
CAS Number: 123-35-3

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Time Report Reqsted: 12:14:59
First Dose M/F: 03/25/02 / 03/26/02
Lab: BAT

| | | |
|--|--|----------|
| DAY ON TEST | | 0 | 0 | |
| | | 5 | 6 | 6 | 7 | 6 | 6 | 6 | 7 | 4 | 7 | 7 | 7 | 7 | 0 | 7 | 7 | 6 | 7 | 7 | 7 | 6 | 7 | 7 | 4 | |
| | | 5 | 6 | 7 | 3 | 6 | 0 | 8 | 3 | 4 | 2 | 3 | 3 | 2 | 2 | 3 | 1 | 6 | 3 | 3 | 3 | 4 | 3 | 2 | 8 | |
| | | 1 | 6 | 4 | 0 | 6 | 4 | 4 | 0 | 9 | 9 | 0 | 1 | 9 | 9 | 4 | 0 | 7 | 6 | 0 | 1 | 0 | 8 | 0 | 9 | 6 |
| | | |
| FISCHER 344 RATS MALE
ANIMAL ID
0.5 G/KG | | 0 | 0 | |
| | | 0 | 0 | |
| | | 1 | 1 | |
| | | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | |
| | | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 |
| | | * TOTALS | |

ALIMENTARY SYSTEM

| | |
|---------------------------|----|
| Esophagus | + | 50 |
| Intestine Large, Cecum | + | 50 |
| Intestine Large, Colon | + | 50 |
| Intestine Large, Rectum | + | 50 |
| Intestine Small, Duodenum | + | 50 |
| Intestine Small, Ileum | + | 50 |
| Intestine Small, Jejunum | + | 50 |
| Liver | + | 50 |
| Hepatocellular Adenoma | 1 |
| Leukemia Mononuclear | | | | | | | X | X | | X | | | | X | | | | X | | | X | | X | | | 15 |
| Mesentery | | + | | | | | + | | + | | | | | | | | | | | | | | | | | 5 |
| Mesothelioma Malignant | | X | | 1 |
| Pancreas | + | 50 |
| Adenoma | | | | | | | | | X | | | | | | | | | | | | | | | | | 2 |

* .. Total animals with tissue examined microscopically; Total animals with tumor

+ .. Tissue examined microscopically

x .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

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Lab: BAT

| DAY ON TEST | 0 |
|------------------------------------|
| | 5 | 6 | 6 | 7 | 6 | 6 | 6 | 7 | 4 | 7 | 7 | 7 | 7 | 7 | 0 | 7 | 7 | 6 | 7 | 7 | 7 | 6 | 7 | 7 | 4 |
| FISCHER 344 RATS MALE
ANIMAL ID | 0 |
| | 0 |
| 0.5 G/KG | 1 |
| | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 5 |
| | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 |
| | 1 | 6 | 4 | 0 | 6 | 4 | 4 | 0 | 9 | 9 | 0 | 1 | 9 | 9 | 4 | 0 | 7 | 6 | 0 | 1 | 0 | 8 | 0 | 9 | 6 |
| * TOTALS |

| | |
|----------------------|----|
| Leukemia Mononuclear | X | | 1 |
| Salivary Glands | + | 50 |
| Stomach, Forestomach | + | 50 |
| Leukemia Mononuclear | X | | 3 |
| Stomach, Glandular | + | 50 |
| Leukemia Mononuclear | X | | 3 |

CARDIOVASCULAR SYSTEM

| | |
|--------------------------------|----|
| Blood Vessel | + | 50 |
| Heart | + | 50 |
| Leukemia Mononuclear | X | | 3 |
| Osteosarcoma, Metastatic, Bone | X | | 1 |

ENDOCRINE SYSTEM

| | |
|----------------------|----|
| Adrenal Cortex | + | 50 |
| Leukemia Mononuclear | X | | 1 |
| Adrenal Medulla | + | 50 |

* .. Total animals with tissue examined microscopically; Total animals with tumor

+ .. Tissue examined microscopically

x .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

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Lab: BAT

| | | | | | |
|--|--|-------|----|----------|---|
| DAY ON TEST | | 0 | 0 | | | |
| | | 5 | 6 | 6 | 7 | 6 | 6 | 6 | 7 | 4 | 7 | 7 | 7 | 7 | 7 | 0 | 7 | 7 | 6 | 7 | 7 | 6 | 7 | 7 | 4 | | | |
| | | 5 | 6 | 7 | 3 | 6 | 0 | 8 | 3 | 4 | 2 | 3 | 3 | 2 | 2 | 2 | 3 | 1 | 6 | 3 | 3 | 4 | 3 | 2 | 8 | | | |
| | | 1 | 6 | 4 | 0 | 6 | 4 | 4 | 0 | 9 | 9 | 0 | 1 | 9 | 9 | 4 | 0 | 7 | 6 | 0 | 1 | 0 | 8 | 0 | 9 | 6 | | |
| FISCHER 344 RATS MALE
ANIMAL ID
0.5 G/KG | | | | | |
| | | 0 | 0 | | |
| | | 0 | 0 | | |
| | | 1 | 1 | | |
| | | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | | |
| | | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | * TOTALS | |
| Pheochromocytoma Benign | | | | | | | | | | | | X | X | | | | | | | | | | | 4 | | | | |
| Bilateral, Pheochromocytoma Benign | | | X | | | | | 1 | |
| Islets, Pancreatic | | | | | |
| | | + | + | 50 | | |
| Parathyroid Gland | | | | | |
| | | + | + | 48 | | |
| Pituitary Gland | | | | | |
| | | + | + | 50 | | |
| Pars Distalis, Adenoma | | | | | | | | | | | | | | | | | X | | | | | | X | | | | 5 | |
| Thyroid Gland | | | | | |
| | | + | + | 50 | | |
| C-cell, Adenoma | | | X | | | | | 4 | |
| Follicle, Adenoma | | X | | | | | | | | X | | | | | | | | | | | | | | | | | | 3 |
| Follicle, Carcinoma | | | | | 1 |

GENERAL BODY SYSTEM
NONE

GENITAL SYSTEM

| | |
|------------------------|----|
| Epididymis | + | 50 |
| Mesothelioma Benign | 1 |
| Mesothelioma Malignant | | | | X | | 1 |

* .. Total animals with tissue examined microscopically; Total animals with tumor

+ .. Tissue examined microscopically

x .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

TDMS No. 99023 - 03
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/F 344

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

beta-Myrcene

CAS Number: 123-35-3

Date Report Requested: 09/24/2007
Time Report Requested: 12:14:59
First Dose M/F: 03/25/02 / 03/26/02
Lab: BAT

| FISCHER 344 RATS MALE
0.5 G/KG | | DAY ON TEST | 0
5
5
1 | 0
6
6
6 | 0
6
7
4 | 0
6
3
6 | 0
6
0
4 | 0
6
8
4 | 0
7
3
4 | 0
7
2
9 | 0
7
3
9 | 0
7
2
0 | 0
7
2
1 | 0
7
2
9 | 0
0
2
4 | 0
7
3
0 | 0
7
6
7 | 0
6
3
0 | 0
7
3
1 | 0
7
3
0 | 0
6
4
8 | 0
7
3
0 | 0
7
2
9 | 0
4
8
6 | | |
|---------------------------------------|--|-------------|-----------------------|--|
| | | ANIMAL ID | 0
0
1
2
6 | 0
0
1
2
7 | 0
0
1
2
8 | 0
0
1
2
9 | 0
0
1
3
0 | 0
0
1
3
1 | 0
0
1
3
2 | 0
0
1
3
3 | 0
0
1
3
4 | 0
0
1
3
5 | 0
0
1
3
6 | 0
0
1
3
7 | 0
0
1
3
8 | 0
0
1
4
9 | 0
0
1
4
0 | 0
0
1
4
1 | 0
0
1
4
2 | 0
0
1
4
3 | 0
0
1
4
4 | 0
0
1
4
5 | 0
0
1
4
6 | 0
0
1
4
7 | 0
0
1
5
8 | |
| | | * TOTALS | | |
| | | | | |
| Preputial Gland | | + | + | 50 | |
| Prostate | | + | + | 50 | |
| Adenoma | | | | 1 | |
| Seminal Vesicle | | + | + | 50 | |
| Testes | | + | + | 50 | |
| Bilateral, Interstitial Cell, Adenoma | | | X | X | X | | X | X | X | | X | X | X | X | | X | X | | X | X | X | X | X | X | 40 | |
| Interstitial Cell, Adenoma | | X | | | | | | | | | | | | | | | | X | | | | | | | 6 | |
| Tunic, Mesothelioma Benign | | | | 1 | |
| Tunic, Mesothelioma Malignant | | | X | | 1 | |

HEMATOPOIETIC SYSTEM

| | |
|-------------------------------------|----|
| Bone Marrow | + | 50 |
| Leukemia Mononuclear | | | | | | | | | X | | | | X | | | | | | | | X | | | | | 3 |
| Lymph Node | | | | | | | + | + | | | | | + | | | | | + | | | | + | | | | 6 |
| Deep Cervical, Leukemia Mononuclear | | 1 |
| Mediastinal, Leukemia Mononuclear | | | | | | | X | | | | | | X | | | | | | | | | | | | | 3 |
| Pancreatic, Leukemia Mononuclear | | | | | | | | | | | | | X | | | | | | X | | | | | | | 2 |
| Lymph Node, Mandibular | M | 1 |

* .. Total animals with tissue examined microscopically; Total animals with tumor
+ .. Tissue examined microscopically
x .. Lesion present
I .. Insufficient tissue

M .. Missing tissue
A .. Autolysis precludes evaluation
BLANK .. Not examined microscopically

Date Report Requested: 09/24/2007
Time Report Requested: 12:14:59
First Dose M/F: 03/25/02 / 03/26/02
Lab: BAT

TDMS No. 99023 - 03
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/F 344

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
beta-Myrcene
CAS Number: 123-35-3

Date Report Reqsted: 09/24/2007
Time Report Reqsted: 12:14:59
First Dose M/F: 03/25/02 / 03/26/02
Lab: BAT

| | | |
|--|---|--|
| DAY ON TEST | 0 | | |
| | 5 | 6 | 6 | 7 | 6 | 6 | 6 | 7 | 4 | 7 | 7 | 7 | 7 | 7 | 0 | 7 | 7 | 6 | 7 | 7 | 6 | 7 | 7 | 4 | | |
| | 5 | 6 | 7 | 3 | 6 | 0 | 8 | 3 | 4 | 2 | 3 | 3 | 2 | 2 | 2 | 3 | 1 | 6 | 3 | 3 | 3 | 4 | 3 | 2 | 8 | |
| | 1 | 6 | 4 | 0 | 6 | 4 | 4 | 0 | 9 | 9 | 0 | 1 | 9 | 9 | 4 | 0 | 7 | 6 | 0 | 1 | 0 | 8 | 0 | 9 | 6 | |
| FISCHER 344 RATS MALE
ANIMAL ID
0.5 G/KG | 0 | | |
| | 0 | | |
| | 1 | | |
| | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | | |
| | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | |
| * TOTALS | |

MUSCULOSKELETAL SYSTEM

| | |
|----------------------|----|
| Bone | + | 50 |
| Osteoma | X | | 1 |
| Osteosarcoma | X | | 1 |
| Skeletal Muscle | | | + | | 1 |
| Fibrous Histiocytoma | | | X | | 1 |

NERVOUS SYSTEM

| | |
|----------------------|----|
| Brain | + | 50 |
| Leukemia Mononuclear | | | | | | | | | X | | | | | | | | | | | | X | | | | 3 |

RESPIRATORY SYSTEM

| | |
|---|----|
| Lung | + | 50 |
| Alveolar/Bronchiolar Adenoma | | | X | | 1 |
| Fibrous Histiocytoma, Metastatic, Skeletal Muscle | | | X | | 1 |
| Leukemia Mononuclear | | | | | | X | X | | X | | | X | | | | | X | | X | | X | | | | 15 |
| Osteosarcoma, Metastatic, Bone | X | | | 1 |

* .. Total animals with tissue examined microscopically; Total animals with tumor

+ .. Tissue examined microscopically

x .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

Date Report Requested: 09/24/2007
Time Report Requested: 12:14:59
First Dose M/F: 03/25/02 / 03/26/02
Lab: BAT

M .. Missing tissue
A .. Autolysis precludes evaluation
BLANK .. Not examined microscopically

TDMS No. 99023 - 03
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/F 344

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
beta-Myrcene
CAS Number: 123-35-3

Date Report Reqsted: 09/24/2007
Time Report Reqsted: 12:14:59
First Dose M/F: 03/25/02 / 03/26/02
Lab: BAT

| | | |
|-----------------------------------|--|-----------------|
| DAY ON TEST | | 0 | 0 | | |
| | | 5 | 5 | 4 | 4 | 0 | 4 | 4 | 4 | 5 | 4 | 4 | 4 | 4 | 5 | 3 | 5 | 5 | 4 | 0 | 4 | 4 | 5 | 4 | 4 | |
| | | 0 | 3 | 8 | 9 | 6 | 7 | 5 | 3 | 1 | 9 | 5 | 7 | 5 | 7 | 0 | 2 | 3 | 0 | 2 | 2 | 6 | 4 | 9 | 4 | |
| | | 4 | 6 | 4 | 4 | 7 | 4 | 7 | 9 | 6 | 7 | 1 | 9 | 3 | 6 | 2 | 7 | 0 | 2 | 3 | 4 | 6 | 6 | 5 | 0 | 9 |
| FISCHER 344 RATS MALE
1.0 G/KG | | |
| | | ANIMAL ID |
| | | 0 | 0 | |
| | | 0 | 0 |
| | | 1 | 1 |
| 1.0 G/KG | | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | |
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 |
| | | males (cont...) | |

Stomach, Glandular

+ +

CARDIOVASCULAR SYSTEM

Blood Vessel

+ +

Heart

+ +

ENDOCRINE SYSTEM

Adrenal Cortex

+ +

Adrenal Medulla

+ +

Islets, Pancreatic

+ +

Parathyroid Gland

+ + + + + + + + + + + + + + + + + M + + + + M +

Adenoma

Pituitary Gland

+ +

Pars Distalis, Adenoma

X

Thyroid Gland

+ +

* .. Total animals with tissue examined microscopically; Total animals with tumor
+ .. Tissue examined microscopically
x .. Lesion present
I .. Insufficient tissue
M .. Missing tissue
A .. Autolysis precludes evaluation
BLANK .. Not examined microscopically

TDMS No. 99023 - 03
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/F 344

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
beta-Myrcene
CAS Number: 123-35-3

Date Report Reqsted: 09/24/2007
Time Report Reqsted: 12:14:59
First Dose M/F: 03/25/02 / 03/26/02
Lab: BAT

| | | | | | | |
|---------------------------------------|---|-----------|--------------------|---|--------------------|---|
| DAY ON TEST | | 0 | 0 | males
(cont...) | | | |
| | | 5 | 5 | 4 | 4 | 0 | 4 | 4 | 4 | 5 | 4 | 4 | 4 | 4 | 5 | 3 | 5 | 5 | 4 | 0 | 4 | 4 | 5 | 4 | | 4 | | |
| | | 0 | 3 | 8 | 9 | 6 | 7 | 5 | 3 | 1 | 9 | 5 | 7 | 5 | 7 | 0 | 2 | 3 | 0 | 2 | 2 | 6 | 4 | 9 | | 9 | 4 | |
| | | 4 | 6 | 4 | 4 | 7 | 4 | 7 | 9 | 6 | 7 | 1 | 9 | 3 | 6 | 2 | 7 | 0 | 2 | 3 | 4 | 6 | 6 | 5 | | 0 | 9 | |
| FISCHER 344 RATS MALE

1.0 G/KG | | | | | | |
| | | ANIMAL ID | | 0 | 0 | males
(cont...) | |
| | | | | 0 | 0 | | 0 |
| | | | | 1 | 1 | | 1 |
| | | | | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | | 7 |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | | | | |

C-cell, Adenoma
Follicle, Adenoma

GENERAL BODY SYSTEM
NONE

GENITAL SYSTEM

| |
|---------------------------------------|
| Epididymis | + |
| Preputial Gland | + |
| Prostate | + |
| Seminal Vesicle | + |
| Testes | + |
| Bilateral, Interstitial Cell, Adenoma | | X | | | | X | | | X | | | X | X | X | X | | X | | | | | X | X | |
| Interstitial Cell, Adenoma | X | | | X | | | X | | | | | | | | | | X | | | | | | | |

HEMATOPOIETIC SYSTEM

| |
|-------------|
| Bone Marrow | + |
|-------------|

* .. Total animals with tissue examined microscopically; Total animals with tumor

+ .. Tissue examined microscopically

x .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

TDMS No. 99023 - 03
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/F 344

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
beta-Myrcene
CAS Number: 123-35-3

Date Report Reqsted: 09/24/2007
Time Report Reqsted: 12:14:59
First Dose M/F: 03/25/02 / 03/26/02
Lab: BAT

| | | | | | | |
|-----------------------------------|--|------------------------|--------------------|-----------------------|-----------------------|-----------------------|
| FISCHER 344 RATS MALE
1.0 G/KG | | DAY ON TEST | 0
5
0
4 | 0
5
3
6 | 0
4
8
4 | 0
4
9
4 | 0
0
6
7 | 0
4
7
4 | 0
4
5
7 | 0
4
3
9 | 0
5
1
6 | 0
4
9
7 | 0
4
5
3 | 0
4
7
6 | 0
5
2
2 | 0
3
7
7 | 0
5
0
0 | 0
5
2
2 | 0
4
0
3 | 0
0
2
4 | 0
4
6
6 | 0
5
4
5 | 0
4
9
0 | 0
4
9
0 | males
(cont...) | | | |
| | | ANIMAL ID | 0
0
1
5
1 | 0
0
1
5
2 | 0
0
1
5
3 | 0
0
1
5
4 | 0
0
1
5
5 | 0
0
1
5
6 | 0
0
1
5
7 | 0
0
1
5
8 | 0
0
1
5
9 | 0
0
1
6
0 | 0
0
1
6
1 | 0
0
1
6
2 | 0
0
1
6
3 | 0
0
1
6
4 | 0
0
1
6
5 | 0
0
1
6
6 | 0
0
1
7
7 | 0
0
1
7
8 | 0
0
1
7
9 | 0
0
1
7
0 | 0
0
1
7
1 | 0
0
1
7
2 | | 0
0
1
7
3 | 0
0
1
7
4 | 0
0
1
7
5 |
| | | Lymph Node, Mandibular | M | | M | M | M |
| | | Lymph Node, Mesenteric | + | | + | + | + |
| Spleen | | + | + | + | | |
| | | | | | | |
| | | Thymus | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | |
| Thymoma Benign | | | | | | |
| INTEGUMENTARY SYSTEM | | | | | | |
| Mammary Gland | | + | + | + | + | |
| | | | | | | |
| | | Skin | + | + | + | + |
| Keratoacanthoma | | X | | | | |
| MUSCULOSKELETAL SYSTEM | | | | | | |
| Bone | | + | + | + | + | |
| | | | | | | |
| NERVOUS SYSTEM | | | | | | |
| Brain | | + | + | + | + | |
| | | | | | | |

* .. Total animals with tissue examined microscopically; Total animals with tumor

+ .. Tissue examined microscopically

x .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

TDMS No. 99023 - 03
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/F 344

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
beta-Myrcene
CAS Number: 123-35-3

Date Report Reqsted: 09/24/2007
Time Report Reqsted: 12:14:59
First Dose M/F: 03/25/02 / 03/26/02
Lab: BAT

| | | | | | | |
|-----------------------------------|---|-----------|--------------------|---|--------------------|---|
| DAY ON TEST | | 0 | 0 | males
(cont...) | | | |
| | | 5 | 5 | 4 | 4 | 0 | 4 | 4 | 4 | 5 | 4 | 4 | 4 | 4 | 5 | 3 | 5 | 5 | 4 | 0 | 4 | 4 | 5 | 4 | | 4 | | |
| | | 0 | 3 | 8 | 9 | 6 | 7 | 5 | 3 | 1 | 9 | 5 | 7 | 5 | 7 | 0 | 2 | 3 | 0 | 2 | 2 | 6 | 4 | 9 | | 9 | 4 | |
| | | 4 | 6 | 4 | 4 | 7 | 4 | 7 | 9 | 6 | 7 | 1 | 9 | 3 | 6 | 2 | 7 | 0 | 2 | 3 | 4 | 6 | 6 | 5 | | 0 | 9 | |
| FISCHER 344 RATS MALE
1.0 G/KG | | | | | | |
| | | ANIMAL ID | | 0 | 0 | males
(cont...) | |
| | | | | 0 | 0 | | 0 |
| | | | | 1 | 1 | | 1 |
| | | | | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | | 7 |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | | | | |

RESPIRATORY SYSTEM

| |
|---------|
| Lung | + |
| Nose | + |
| Trachea | + |

SPECIAL SENSES SYSTEM

| |
|-----------------|
| Eye | + |
| Harderian Gland | + |

URINARY SYSTEM

| |
|-----------------------|
| Kidney | + |
| Renal Tubule, Adenoma | | | | | | X | | | | | | | | | | | | | | | | | | |
| Urinary Bladder | + |

SYSTEMIC LESIONS

* .. Total animals with tissue examined microscopically; Total animals with tumor

+ .. Tissue examined microscopically

x .. Lesion present

l .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

TDMS No. 99023 - 03
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/F 344

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
beta-Myrcene
CAS Number: 123-35-3

Date Report Reqsted: 09/24/2007
Time Report Reqsted: 12:14:59
First Dose M/F: 03/25/02 / 03/26/02
Lab: BAT

| | | |
|--|--|-----------------|
| DAY ON TEST | | 0 | 0 | |
| | | 5 | 5 | 4 | 4 | 0 | 4 | 4 | 4 | 5 | 4 | 4 | 4 | 4 | 4 | 5 | 3 | 5 | 5 | 4 | 0 | 4 | 4 | 5 | 4 | 4 |
| | | 0 | 3 | 8 | 9 | 6 | 7 | 5 | 3 | 1 | 9 | 5 | 7 | 5 | 7 | 0 | 2 | 3 | 0 | 2 | 2 | 6 | 4 | 9 | 9 | 4 |
| | | 4 | 6 | 4 | 4 | 7 | 4 | 7 | 9 | 6 | 7 | 1 | 9 | 3 | 6 | 2 | 7 | 0 | 2 | 3 | 4 | 6 | 6 | 5 | 0 | 9 |
| FISCHER 344 RATS MALE
ANIMAL ID
1.0 G/KG | | |
| | | 0 | 0 | |
| | | 0 | 0 | |
| | | 1 | 1 | |
| | | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | |
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 |
| Multiple Organ | | + | + | |
| | | males (cont...) | |

* .. Total animals with tissue examined microscopically; Total animals with tumor
+ .. Tissue examined microscopically
x .. Lesion present
I .. Insufficient tissue

M .. Missing tissue
A .. Autolysis precludes evaluation
BLANK .. Not examined microscopically

TDMS No. 99023 - 03
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/F 344

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
beta-Myrcene
CAS Number: 123-35-3

Date Report Reqsted: 09/24/2007
Time Report Reqsted: 12:14:59
First Dose M/F: 03/25/02 / 03/26/02
Lab: BAT

| DAY ON TEST | | 0 | | |
|-----------------------------------|--|----------|
| | | 5 | 4 | 4 | 5 | 5 | 5 | 5 | 4 | 4 | 5 | 5 | 5 | 5 | 4 | 4 | 4 | 4 | 4 | 5 | 4 | 5 | 4 | 4 | 4 | | |
| | | 1 | 3 | 1 | 6 | 1 | 1 | 9 | 3 | 4 | 1 | 0 | 2 | 7 | 6 | 4 | 3 | 7 | 6 | 8 | 1 | 1 | 1 | 6 | 2 | 7 | |
| | | 4 | 5 | 4 | 9 | 8 | 7 | 5 | 6 | 5 | 3 | 1 | 0 | 2 | 7 | 7 | 9 | 9 | 6 | 6 | 6 | 8 | 1 | 6 | 5 | 5 | 8 |
| FISCHER 344 RATS MALE
1.0 G/KG | | |
| | | |
| | | |
| | | |
| | | |
| ANIMAL ID | | 0 | | |
| | | 0 | | |
| | | 1 | 2 | | |
| | | 7 | 7 | 7 | 7 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 0 | | |
| | | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | * TOTALS |

ALIMENTARY SYSTEM

| | |
|---------------------------|----|
| Esophagus | + | 50 |
| Intestine Large, Cecum | + | 50 |
| Intestine Large, Colon | + | 50 |
| Intestine Large, Rectum | + | M | + | + | 48 |
| Intestine Small, Duodenum | + | 50 |
| Intestine Small, Ileum | + | 50 |
| Intestine Small, Jejunum | + | 50 |
| Liver | + | 50 |
| Mesentery | | | | | | + | | | | | | | | | | | | | | | | | | + | | 3 |
| Pancreas | + | 50 |
| Salivary Glands | + | + | + | + | M | + | 48 |
| Stomach, Forestomach | + | 50 |

* .. Total animals with tissue examined microscopically; Total animals with tumor
+ .. Tissue examined microscopically
x .. Lesion present
I .. Insufficient tissue

M .. Missing tissue
A .. Autolysis precludes evaluation
BLANK .. Not examined microscopically

TDMS No. 99023 - 03
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/F 344

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
beta-Myrcene
CAS Number: 123-35-3

Date Report Reqsted: 09/24/2007
Time Report Reqsted: 12:14:59
First Dose M/F: 03/25/02 / 03/26/02
Lab: BAT

| DAY ON TEST | | 0 | 0 | | |
|--|--|----------|
| | | 5 | 4 | 4 | 5 | 5 | 5 | 5 | 4 | 4 | 5 | 5 | 5 | 5 | 4 | 4 | 4 | 4 | 4 | 5 | 4 | 5 | 4 | 4 | 4 | | |
| | | 1 | 3 | 1 | 6 | 1 | 1 | 9 | 3 | 4 | 1 | 0 | 2 | 7 | 6 | 4 | 3 | 7 | 6 | 8 | 1 | 1 | 1 | 6 | 2 | 7 | |
| | | 4 | 5 | 4 | 9 | 8 | 7 | 5 | 6 | 5 | 3 | 1 | 0 | 2 | 7 | 7 | 9 | 9 | 6 | 6 | 6 | 8 | 1 | 6 | 5 | 5 | 8 |
| FISCHER 344 RATS MALE
1.0 G/KG
ANIMAL ID | | 0 | 0 | | |
| | | 0 | 0 | | |
| | | 1 | 1 | 2 | | |
| | | 7 | 7 | 7 | 7 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 0 | | |
| | | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | |
| | | * TOTALS | |

| | |
|--------------------|----|
| Stomach, Glandular | + | 50 |
|--------------------|----|

CARDIOVASCULAR SYSTEM

| | |
|--------------|----|
| Blood Vessel | + | 50 |
| Heart | + | 50 |

ENDOCRINE SYSTEM

| | |
|------------------------|----|
| Adrenal Cortex | + | 50 |
| Adrenal Medulla | + | 50 |
| Islets, Pancreatic | + | 50 |
| Parathyroid Gland | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | M | 45 |
| Adenoma | | | | X | | 1 |
| Pituitary Gland | + | 50 |
| Pars Distalis, Adenoma | | 1 |
| Thyroid Gland | + | + | + | + | M | + | 49 |

* .. Total animals with tissue examined microscopically; Total animals with tumor

+ .. Tissue examined microscopically

x .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

TDMS No. 99023 - 03
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/F 344

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
beta-Myrcene
CAS Number: 123-35-3

Date Report Reqsted: 09/24/2007
Time Report Reqsted: 12:14:59
First Dose M/F: 03/25/02 / 03/26/02
Lab: BAT

| | | |
|--|--|----------|
| DAY ON TEST | | 0 | 0 | |
| | | 5 | 4 | 4 | 5 | 5 | 5 | 5 | 4 | 4 | 5 | 5 | 5 | 5 | 4 | 4 | 4 | 4 | 5 | 4 | 5 | 5 | 4 | 4 | 4 | |
| | | 1 | 3 | 1 | 6 | 1 | 1 | 9 | 3 | 4 | 1 | 0 | 2 | 7 | 6 | 4 | 3 | 7 | 6 | 8 | 1 | 1 | 1 | 6 | 2 | 7 |
| | | 4 | 5 | 4 | 9 | 8 | 7 | 5 | 6 | 5 | 3 | 1 | 0 | 2 | 7 | 9 | 9 | 6 | 6 | 6 | 8 | 1 | 6 | 5 | 5 | 8 |
| | | |
| FISCHER 344 RATS MALE
ANIMAL ID
1.0 G/KG | | 0 | 0 | |
| | | 0 | 0 | |
| | | 1 | 1 | 2 | |
| | | 7 | 7 | 7 | 7 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 0 | |
| | | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 |
| | | |
| | | * TOTALS | |

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-------------------|--|--|--|--|--|--|--|---|--|--|--|--|--|--|--|--|--|---|--|--|--|--|--|--|--|---|
| C-cell, Adenoma | | | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| Follicle, Adenoma | | | | | | | | X | | | | | | | | | | X | | | | | | | | 2 |

GENERAL BODY SYSTEM
NONE

GENITAL SYSTEM

| | |
|---------------------------------------|----|
| Epididymis | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | M | + | + | 48 |
| Preputial Gland | + | M | + | M | + | M | 47 |
| Prostate | + | 50 |
| Seminal Vesicle | + | 50 |
| Testes | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | M | + | + | 48 |
| Bilateral, Interstitial Cell, Adenoma | X | | | X | X | X | | | | X | X | X | X | | | | | | | | | | | | | 18 |
| Interstitial Cell, Adenoma | | | | | | X | | | | | | | | X | | | | | X | | | | | | | 7 |

HEMATOPOIETIC SYSTEM

| | |
|-------------|----|
| Bone Marrow | + | 50 |
|-------------|----|

* .. Total animals with tissue examined microscopically; Total animals with tumor
+ .. Tissue examined microscopically
x .. Lesion present
I .. Insufficient tissue

M .. Missing tissue
A .. Autolysis precludes evaluation
BLANK .. Not examined microscopically

TDMS No. 99023 - 03
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/F 344

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
beta-Myrcene
CAS Number: 123-35-3

Date Report Reqsted: 09/24/2007
Time Report Reqsted: 12:14:59
First Dose M/F: 03/25/02 / 03/26/02
Lab: BAT

| | | | |
|-----------------------------------|--|-------|----------|
| DAY ON TEST | | 0 | 0 | |
| | | 5 | 4 | 4 | 5 | 5 | 5 | 5 | 4 | 4 | 5 | 5 | 5 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | 5 | 4 | 4 | 4 | 4 | 4 | |
| | | 1 | 3 | 1 | 6 | 1 | 1 | 9 | 3 | 4 | 1 | 0 | 2 | 7 | 6 | 4 | 3 | 7 | 6 | 8 | 1 | 1 | 1 | 6 | 2 | 7 | |
| | | 4 | 5 | 4 | 9 | 8 | 7 | 5 | 6 | 5 | 3 | 1 | 0 | 2 | 7 | 9 | 9 | 6 | 6 | 6 | 8 | 1 | 6 | 5 | 5 | 8 | |
| FISCHER 344 RATS MALE
1.0 G/KG | | | |
| | | 0 | 0 | |
| | | 0 | 0 | |
| | | 1 | 1 | 2 | |
| | | 7 | 7 | 7 | 7 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 0 | |
| | | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | * TOTALS |
| Lymph Node, Mandibular | | M | M | 0 |
| Lymph Node, Mesenteric | | + | + | 50 |
| Spleen | | + | + | 50 |
| Thymus | | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | 47 |
| Thymoma Benign | | | X | | | 1 |
| | | | |
| INTEGUMENTARY SYSTEM | | | |
| Mammary Gland | | + | + | 50 |
| Skin | | + | + | 50 |
| Keratoacanthoma | | | 1 |
| | | | |
| MUSCULOSKELETAL SYSTEM | | | |
| Bone | | + | + | 50 |
| | | | |
| NERVOUS SYSTEM | | | |
| Brain | | + | + | 50 |

* .. Total animals with tissue examined microscopically; Total animals with tumor

+ .. Tissue examined microscopically

x .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

TDMS No. 99023 - 03
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/F 344

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
beta-Myrcene
CAS Number: 123-35-3

Date Report Reqsted: 09/24/2007
Time Report Reqsted: 12:14:59
First Dose M/F: 03/25/02 / 03/26/02
Lab: BAT

| DAY ON TEST | 0 |
|--|----------|
| | 5 | 4 | 4 | 5 | 5 | 5 | 5 | 4 | 4 | 5 | 5 | 5 | 5 | 4 | 4 | 4 | 4 | 4 | 5 | 4 | 5 | 5 | 4 | 4 | 4 |
| | 1 | 3 | 1 | 6 | 1 | 1 | 9 | 3 | 4 | 1 | 0 | 2 | 7 | 6 | 4 | 3 | 7 | 6 | 8 | 1 | 1 | 1 | 6 | 2 | 7 |
| | 4 | 5 | 4 | 9 | 8 | 7 | 5 | 6 | 5 | 3 | 1 | 0 | 2 | 7 | 9 | 9 | 6 | 6 | 6 | 8 | 1 | 6 | 5 | 5 | 8 |
| | |
| FISCHER 344 RATS MALE
1.0 G/KG
ANIMAL ID | 0 |
| | 0 |
| | 1 | 2 |
| | 7 | 7 | 7 | 7 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 0 |
| | |
| | | * TOTALS |
| | | 0 |

RESPIRATORY SYSTEM

| | |
|---------|----|
| Lung | + | 50 |
| Nose | + | 50 |
| Trachea | + | 50 |

SPECIAL SENSES SYSTEM

| | |
|-----------------|----|
| Eye | + | 50 |
| Harderian Gland | + | M | 49 |

URINARY SYSTEM

| | |
|-----------------------|----|
| Kidney | + | 50 |
| Renal Tubule, Adenoma | | | | | | X | | | | | | | | | | | | | | | | | | | 2 |
| Urinary Bladder | + | M | + | 49 |

SYSTEMIC LESIONS

| |
|--|
| |
|--|

* .. Total animals with tissue examined microscopically; Total animals with tumor

+ .. Tissue examined microscopically

x .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

TDMS No. 99023 - 03
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/F 344

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
beta-Myrcene
CAS Number: 123-35-3

Date Report Reqsted: 09/24/2007
Time Report Reqsted: 12:14:59
First Dose M/F: 03/25/02 / 03/26/02
Lab: BAT

| | |
|-----------------------------------|----------------------------------|
| FISCHER 344 RATS FEMALE
0 G/KG | DAY ON TEST

ANIMAL ID | 0 |
| | | 7 | 6 | 7 | 7 | 3 | 6 | 7 | 7 | 3 | 7 | 7 | 6 | 7 | 6 | 3 | 7 | 6 | 7 | 2 | 7 | 5 | 6 | 7 |
| | | 3 | 3 | 3 | 3 | 4 | 8 | 3 | 3 | 3 | 3 | 3 | 8 | 3 | 5 | 3 | 6 | 3 | 3 | 4 | 3 | 9 | 3 | 6 |
| | | 2 | 1 | 1 | 2 | 6 | 8 | 1 | 1 | 0 | 1 | 1 | 6 | 2 | 6 | 1 | 1 | 0 | 0 | 4 | 2 | 1 | 2 | 0 |
| | | 2 | 1 | 1 | 2 | 6 | 8 | 1 | 1 | 0 | 1 | 1 | 6 | 2 | 6 | 1 | 1 | 0 | 0 | 4 | 2 | 1 | 2 | 0 |
| | | 0 |
| | | 0 |
| | | 2 |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 |
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 |

females
(cont...)

ALIMENTARY SYSTEM

| |
|---------------------------|
| Esophagus | + |
| Intestine Large, Cecum | + |
| Intestine Large, Colon | + |
| Intestine Large, Rectum | + |
| Intestine Small, Duodenum | + |
| Intestine Small, Ileum | + |
| Intestine Small, Jejunum | + |
| Liver | + |
| Leukemia Mononuclear | | X | | | | X | | | | X | | | | | | | | | | | | | | |
| Mesentery | | | | | + | | | + | | + | + | | | | | | | | | | | | | |
| Mesothelioma Malignant | | | | | X | | | | | | | | | | | | | | | | | | | |
| Oral Mucosa | | | | | | | | | | + | | | | | | | | | | | | | | |
| Squamous Cell Carcinoma | | | | | | | | | | X | | | | | | | | | | | | | | |

* .. Total animals with tissue examined microscopically; Total animals with tumor
+ .. Tissue examined microscopically
x .. Lesion present
I .. Insufficient tissue

M .. Missing tissue
A .. Autolysis precludes evaluation
BLANK .. Not examined microscopically

TDMS No. 99023 - 03
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/F 344

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
beta-Myrcene
CAS Number: 123-35-3

Date Report Reqsted: 09/24/2007
Time Report Reqsted: 12:14:59
First Dose M/F: 03/25/02 / 03/26/02
Lab: BAT

| DAY ON TEST | | 0 |
|-------------------------|--|-------------------|
| | | 7 | 6 | 7 | 7 | 3 | 6 | 7 | 7 | 3 | 7 | 7 | 6 | 7 | 6 | 3 | 7 | 6 | 7 | 2 | 7 | 5 | 6 | 7 | 3 | 6 | 7 | 3 |
| | | 3 | 3 | 3 | 3 | 4 | 8 | 3 | 3 | 3 | 3 | 3 | 8 | 3 | 5 | 3 | 6 | 3 | 3 | 4 | 3 | 9 | 3 | 6 | 7 | 3 | 6 | 7 |
| | | 2 | 1 | 1 | 2 | 6 | 8 | 1 | 1 | 0 | 1 | 1 | 6 | 2 | 6 | 1 | 1 | 0 | 0 | 4 | 2 | 1 | 2 | 0 | 0 | 0 | 2 | 2 |
| FISCHER 344 RATS FEMALE | | 0 |
| ANIMAL ID | | 0 |
| 0 G/KG | | 2 |
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | females (cont...) |
| Pancreas | | + |
| Leukemia Mononuclear | | |
| Salivary Glands | | + |
| Stomach, Forestomach | | + |
| Leukemia Mononuclear | | |
| Stomach, Glandular | | + |
| Tongue | | |
| Squamous Cell Papilloma | | |

CARDIOVASCULAR SYSTEM

| | | |
|----------------------|--|---|
| Blood Vessel | | + |
| Heart | | + |
| Leukemia Mononuclear | | | | | | | X | |

ENDOCRINE SYSTEM

| | | |
|----------------------|--|---|
| Adrenal Cortex | | + |
| Leukemia Mononuclear | | | | | | | X | |

* .. Total animals with tissue examined microscopically; Total animals with tumor

+ .. Tissue examined microscopically

x .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

TDMS No. 99023 - 03
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/F 344

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 09/24/2007
Time Report Requested: 12:14:59
First Dose M/F: 03/25/02 / 03/26/02
Lab: BAT

| | | | | |
|--|--|----------------------|---|---|
| DAY ON TEST | | 0 | females
(cont...) | | |
| | | 7 | 6 | 7 | 7 | 3 | 6 | 7 | 7 | 3 | 7 | 7 | 6 | 7 | 6 | 7 | 6 | 3 | 7 | 6 | 7 | 2 | 7 | 5 | | 6 | 7 |
| | | 3 | 3 | 3 | 3 | 4 | 8 | 3 | 3 | 3 | 3 | 3 | 8 | 3 | 5 | 3 | 6 | 3 | 3 | 4 | 3 | 9 | 3 | 6 | | 7 | 3 |
| | | 2 | 1 | 1 | 2 | 6 | 8 | 1 | 1 | 0 | 1 | 1 | 6 | 2 | 6 | 1 | 1 | 0 | 0 | 4 | 2 | 1 | 2 | 0 | | 0 | 2 |
| | | | | |
| FISCHER 344 RATS FEMALE
0 G/KG
ANIMAL ID | | 0 | | 0 | |
| | | 0 | | 0 | |
| | | 2 | | 2 | |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | | 2 | |
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | | 4 | 5 |

females
(cont...)

Adrenal Medulla
Hemangioma
Leukemia Mononuclear
Pheochromocytoma Benign

+
X

Islets, Pancreatic
Adenoma

+
X

Parathyroid Gland

+ + + + + + + + + + + + + + + + M + + + + + + + + +

Pituitary Gland
Pars Distalis, Adenoma
Pars Distalis, Adenoma, Multiple

+
X X

Thyroid Gland
Bilateral, C-cell, Adenoma
C-cell, Adenoma

+
X

GENERAL BODY SYSTEM
NONE

GENITAL SYSTEM

* .. Total animals with tissue examined microscopically; Total animals with tumor
+ .. Tissue examined microscopically
x .. Lesion present
I .. Insufficient tissue

M .. Missing tissue
A .. Autolysis precludes evaluation
BLANK .. Not examined microscopically

TDMS No. 99023 - 03
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/F 344

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
beta-Myrcene
CAS Number: 123-35-3

Date Report Reqsted: 09/24/2007
Time Report Reqsted: 12:14:59
First Dose M/F: 03/25/02 / 03/26/02
Lab: BAT

| | | 0 | 0 |
|-----------------------------|--|-------------------|
| DAY ON TEST | | 7 | 6 | 7 | 7 | 3 | 6 | 7 | 7 | 3 | 7 | 7 | 6 | 7 | 6 | 7 | 6 | 3 | 7 | 6 | 7 | 2 | 7 | 5 | 6 | 7 |
| | | 3 | 3 | 3 | 3 | 4 | 8 | 3 | 3 | 3 | 3 | 3 | 8 | 3 | 5 | 3 | 6 | 3 | 3 | 4 | 3 | 9 | 3 | 6 | 7 | 3 |
| | | 2 | 1 | 1 | 2 | 6 | 8 | 1 | 1 | 0 | 1 | 1 | 6 | 2 | 6 | 1 | 1 | 0 | 0 | 4 | 2 | 1 | 2 | 0 | 0 | 2 |
| | | |
| FISCHER 344 RATS FEMALE | | 0 | 0 | |
| 0 G/KG | | 0 | 0 | |
| ANIMAL ID | | 2 | 2 | |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | |
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | |
| | | females (cont...) | |
| Clitoral Gland | | + | + | |
| Adenoma | | | | | | | | | | | | X | | | | | | | | X | | | | X | | |
| Bilateral, Adenoma | | | | | | | | | | | | | X | | | | | | | | | | | | | |
| Ovary | | + | + | |
| Granulosa Cell Tumor Benign | | | | | | | | | | | X | | | | | | | | | | | | | | | |
| Leukemia Mononuclear | | |
| Uterus | | + | + | |
| Carcinoma | | |
| Polyp Stromal | | | | | X | | | | | X | X | | | | X | | | | | | | | X | | | |

HEMATOPOIETIC SYSTEM

| | | |
|---|--|---|
| Bone Marrow | | + |
| Leukemia Mononuclear | | | X | |
| Lymph Node | | | | + | | | | + | | | + | | | | | | | | | | | | | | | |
| Deep Cervical, Leukemia Mononuclear | | |
| Mediastinal, Leukemia Mononuclear | | |
| Mediastinal, Squamous Cell Carcinoma, Metastatic, Oral Mucosa | | | | | | | | | | X | | | | | | | | | | | | | | | | |
| Lymph Node, Mandibular | | M |

* .. Total animals with tissue examined microscopically; Total animals with tumor

+ .. Tissue examined microscopically

x .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

TDMS No. 99023 - 03
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/F 344

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
beta-Myrcene
CAS Number: 123-35-3

Date Report Reqsted: 09/24/2007
Time Report Reqsted: 12:14:59
First Dose M/F: 03/25/02 / 03/26/02
Lab: BAT

| | | | | |
|-----------------------------------|-------------|-----------------------|--|--|
| FISCHER 344 RATS FEMALE
0 G/KG | DAY ON TEST | 0
7
3
2 | 0
6
3
1 | 0
7
3
1 | 0
7
3
2 | 0
3
4
6 | 0
6
8
8 | 0
7
3
1 | 0
7
3
1 | 0
3
3
0 | 0
7
3
1 | 0
6
8
6 | 0
7
3
2 | 0
6
5
6 | 0
7
3
1 | 0
6
6
1 | 0
3
3
0 | 0
7
3
4 | 0
6
3
2 | 0
7
2
1 | 0
7
3
2 | 0
5
6
0 | 0
6
7
0 | 0
7
3
2 | | | |
| | ANIMAL ID | 0
0
2
0
1 | 0
0
2
0
2 | 0
0
2
0
3 | 0
0
2
0
4 | 0
0
2
0
5 | 0
0
2
0
6 | 0
0
2
0
7 | 0
0
2
0
8 | 0
0
2
0
9 | 0
0
2
1
0 | 0
0
2
1
1 | 0
0
2
1
2 | 0
0
2
1
3 | 0
0
2
1
4 | 0
0
2
1
5 | 0
0
2
1
6 | 0
0
2
1
7 | 0
0
2
1
8 | 0
0
2
0
9 | 0
0
2
1
0 | 0
0
2
2
1 | 0
0
2
2
2 | 0
0
2
2
3 | 0
0
2
2
4 | | |
| | | | | |
| | | | | |
| | | females (cont...) | | | |

Lymph Node, Mesenteric
Leukemia Mononuclear

+ +

Spleen
Leukemia Mononuclear

+
X X X

Thymus
Leukemia Mononuclear

+ + + + + + + + + + + + + + + + + M + + + + + + +

INTEGUMENTARY SYSTEM

Mammary Gland
Fibroadenoma
Fibroadenoma, Multiple

+
X
X X

Skin
Basal Cell Adenoma
Subcutaneous Tissue, Fibroma
Subcutaneous Tissue, Fibrosarcoma

+
X
X X

MUSCULOSKELETAL SYSTEM

Bone

+ +

* .. Total animals with tissue examined microscopically; Total animals with tumor
+ .. Tissue examined microscopically
x .. Lesion present
I .. Insufficient tissue

M .. Missing tissue
A .. Autolysis precludes evaluation
BLANK .. Not examined microscopically

TDMS No. 99023 - 03
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/F 344

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
beta-Myrcene
CAS Number: 123-35-3

Date Report Reqsted: 09/24/2007
Time Report Reqsted: 12:14:59
First Dose M/F: 03/25/02 / 03/26/02
Lab: BAT

| | | | |
|--|--|----------------------|---|
| DAY ON TEST | | 0 | | | |
| | | 7 | 6 | 7 | 7 | 3 | 6 | 7 | 7 | 3 | 7 | 7 | 6 | 7 | 6 | 7 | 6 | 3 | 7 | 6 | 7 | 2 | 7 | 5 | | 6 | 7 |
| | | 3 | 3 | 3 | 3 | 4 | 8 | 3 | 3 | 3 | 3 | 3 | 8 | 3 | 5 | 3 | 6 | 3 | 3 | 4 | 3 | 9 | 3 | 6 | | 7 | 3 |
| | | 2 | 1 | 1 | 2 | 6 | 8 | 1 | 1 | 0 | 1 | 1 | 6 | 2 | 6 | 1 | 1 | 0 | 0 | 4 | 2 | 1 | 2 | 0 | | 0 | 2 |
| | | | |
| FISCHER 344 RATS FEMALE
ANIMAL ID
0 G/KG | | 0 | females
(cont...) | |
| | | 0 | | 0 |
| | | 2 | | 2 |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | | 2 |
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | | 5 |

NERVOUS SYSTEM

| |
|----------------------|
| Brain | + |
| Leukemia Mononuclear | | | | | | X | | | | | | | | | | | | | | | | | | | |
| Peripheral Nerve |
| Spinal Cord |
| Astrocytoma Benign |

RESPIRATORY SYSTEM

| |
|--------------------------------|
| Lung | + |
| Alveolar/Bronchiolar Adenoma | | | | | | | | X | | | X | | | | | | | | | | | | | | |
| Fibrosarcoma, Metastatic, Skin | |
| Leukemia Mononuclear | | X | | | | X | | | | | | | | | | | | | | | | | | | |
| Squamous Cell Carcinoma | | | | | | | | | | | | | | | | X | | | | | | | | | |
| Nose | + |
| Trachea | + |

* .. Total animals with tissue examined microscopically; Total animals with tumor

+ .. Tissue examined microscopically

x .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

TDMS No. 99023 - 03
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/F 344

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
beta-Myrcene
CAS Number: 123-35-3

Date Report Reqsted: 09/24/2007
Time Report Reqsted: 12:14:59
First Dose M/F: 03/25/02 / 03/26/02
Lab: BAT

| | | | |
|--|--|----------------------|---|
| DAY ON TEST | | 0 | | | |
| | | 7 | 6 | 7 | 7 | 3 | 6 | 7 | 7 | 3 | 7 | 7 | 6 | 7 | 6 | 7 | 6 | 3 | 7 | 6 | 7 | 2 | 7 | 5 | | 6 | 7 |
| | | 3 | 3 | 3 | 3 | 4 | 8 | 3 | 3 | 3 | 3 | 3 | 8 | 3 | 5 | 3 | 6 | 3 | 3 | 4 | 3 | 9 | 3 | 6 | | 7 | 3 |
| | | 2 | 1 | 1 | 2 | 6 | 8 | 1 | 1 | 0 | 1 | 1 | 6 | 2 | 6 | 1 | 1 | 0 | 0 | 4 | 2 | 1 | 2 | 0 | | 0 | 2 |
| FISCHER 344 RATS FEMALE
ANIMAL ID
0 G/KG | | 0 | females
(cont...) | |
| | | 0 | | |
| | | 2 | | |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | | |
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | | 5 |

females
(cont...)

SPECIAL SENSES SYSTEM

| |
|-----------------|
| Eye | + |
| Harderian Gland | + |

URINARY SYSTEM

| |
|----------------------|
| Kidney | + |
| Leukemia Mononuclear | | X | | | | X | | | | | | | | | | | | | | | | | | | |
| Nephroblastoma | X | | |
| Urinary Bladder | + |
| Leukemia Mononuclear | |

SYSTEMIC LESIONS

| |
|------------------------|
| Multiple Organ | + |
| Leukemia Mononuclear | | X | | | | X | | | | X | | | | | | | | | | | | | | | |
| Mesothelioma Malignant | | | | | | X | | | | | | | | | | | | | | | | | | | |

* .. Total animals with tissue examined microscopically; Total animals with tumor
+ .. Tissue examined microscopically
x .. Lesion present
I .. Insufficient tissue

M .. Missing tissue
A .. Autolysis precludes evaluation
BLANK .. Not examined microscopically

TDMS No. 99023 - 03
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/F 344

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
beta-Myrcene
CAS Number: 123-35-3

Date Report Reqsted: 09/24/2007
Time Report Reqsted: 12:14:59
First Dose M/F: 03/25/02 / 03/26/02
Lab: BAT

| DAY ON TEST | 0 | 0 |
|-----------------------------------|----------|
| | 7 | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 6 | 7 | 7 | 4 | 6 | 7 | 6 | 7 | 7 | 7 | 4 | 7 | 7 | 7 | 7 | 7 |
| FISCHER 344 RATS FEMALE
0 G/KG | 3 | 3 | 0 | 3 | 0 | 3 | 3 | 3 | 3 | 7 | 3 | 3 | 8 | 6 | 3 | 1 | 3 | 3 | 3 | 9 | 3 | 3 | 3 | 3 | 3 |
| | 0 | 0 | 6 | 0 | 8 | 2 | 0 | 2 | 2 | 6 | 0 | 1 | 6 | 5 | 1 | 9 | 1 | 1 | 2 | 7 | 0 | 2 | 2 | 2 | 2 |
| ANIMAL ID | 0 | 0 |
| | 0 | 0 |
| 0 G/KG | 2 | 2 |
| | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 5 |
| 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 0 |
| | * TOTALS | |

ALIMENTARY SYSTEM

| | |
|---------------------------|----|
| Esophagus | + | 50 |
| Intestine Large, Cecum | + | 50 |
| Intestine Large, Colon | + | 50 |
| Intestine Large, Rectum | + | 50 |
| Intestine Small, Duodenum | + | 50 |
| Intestine Small, Ileum | + | 50 |
| Intestine Small, Jejunum | + | 50 |
| Liver | + | 50 |
| Leukemia Mononuclear | | | | | | | | | | | | X | | | | X | | | | | | | | | 5 |
| Mesentery | | | | | + | | | | | | | | | | | | | + | | | + | | | | 7 |
| Mesothelioma Malignant | 1 |
| Oral Mucosa | 1 |
| Squamous Cell Carcinoma | 1 |

* .. Total animals with tissue examined microscopically; Total animals with tumor

+ .. Tissue examined microscopically

x .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

beta-Myrcene

CAS Number: 123-35-3

| | | |
|-----------------------------------|--|----------|
| DAY ON TEST | | 0 | 0 | | |
| | | 7 | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 6 | 7 | 7 | 4 | 6 | 7 | 6 | 7 | 7 | 7 | 4 | 7 | 7 | 7 | 7 | |
| | | 3 | 3 | 0 | 3 | 0 | 3 | 3 | 3 | 3 | 7 | 3 | 3 | 8 | 6 | 3 | 1 | 3 | 3 | 3 | 9 | 3 | 3 | 3 | 3 | |
| | | 0 | 0 | 6 | 0 | 8 | 2 | 0 | 2 | 2 | 6 | 0 | 1 | 6 | 5 | 1 | 9 | 1 | 1 | 2 | 7 | 0 | 2 | 2 | 2 | |
| | | |
| FISCHER 344 RATS FEMALE
0 G/KG | | 0 | 0 | | |
| | | 0 | 0 | | |
| | | 2 | 2 | |
| | | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | |
| | | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 |
| | | * TOTALS | |

[illegible]

CARDIOVASCULAR SYSTEM

[illegible]

ENDOCRINE SYSTEM

[illegible]

* .. Total animals with tissue examined microscopically; Total animals with tumor
+ .. Tissue examined microscopically
x .. Lesion present
| .. Insufficient tissue

M .. Missing tissue
A .. Autolysis precludes evaluation
BLANK .. Not examined microscopically

TDMS No. 99023 - 03
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/F 344

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 09/24/2007
Time Report Requested: 12:14:59
First Dose M/F: 03/25/02 / 03/26/02
Lab: BAT

| DAY ON TEST | 0 |
|--|----------|
| | 7 | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 6 | 7 | 7 | 4 | 6 | 7 | 6 | 7 | 7 | 7 | 4 | 7 | 7 | 7 | 7 | 7 |
| | 3 | 3 | 0 | 3 | 0 | 3 | 3 | 3 | 3 | 7 | 3 | 3 | 8 | 6 | 3 | 1 | 3 | 3 | 3 | 9 | 3 | 3 | 3 | 3 | 3 |
| | 0 | 0 | 6 | 0 | 8 | 2 | 0 | 2 | 2 | 6 | 0 | 1 | 6 | 5 | 1 | 9 | 1 | 1 | 2 | 7 | 0 | 2 | 2 | 2 | 2 |
| | |
| FISCHER 344 RATS FEMALE
0 G/KG
ANIMAL ID | 0 |
| | 0 |
| | 2 |
| | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 5 |
| | |
| | | * TOTALS |

| | |
|----------------------------------|----|
| Adrenal Medulla | + | 50 |
| Hemangioma | 1 |
| Leukemia Mononuclear | | | | | | | | | | | | | | | X | | | | | | | | | | 1 |
| Pheochromocytoma Benign | | | X | | 1 |
| | |
| Islets, Pancreatic | + | 50 |
| Adenoma | 1 |
| | |
| Parathyroid Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | M | + | 47 |
| | |
| Pituitary Gland | + | 50 |
| Pars Distalis, Adenoma | X | | | X | | X | X | | X | | X | | X | | | | X | | | X | X | | | X | 24 |
| Pars Distalis, Adenoma, Multiple | | | | | | | | | | | | | | | | X | | | | | | | | | 1 |
| | |
| Thyroid Gland | + | 50 |
| Bilateral, C-cell, Adenoma | 1 |
| C-cell, Adenoma | | | X | | X | | | | | | | | | | | | | X | | | | X | | | 4 |

GENERAL BODY SYSTEM
NONE

GENITAL SYSTEM

.....

* .. Total animals with tissue examined microscopically; Total animals with tumor

+ .. Tissue examined microscopically

x .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

Date Report Requested: 09/24/2007
Time Report Requested: 12:14:59
First Dose M/F: 03/25/02 / 03/26/02
Lab: BAT

TDMS No. 99023 - 03
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/F 344

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 09/24/2007
Time Report Requested: 12:14:59
First Dose M/F: 03/25/02 / 03/26/02
Lab: BAT

| DAY ON TEST | 0 |
|-----------------------------------|
| | 7 | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 6 | 7 | 7 | 4 | 6 | 7 | 6 | 7 | 7 | 7 | 4 | 7 | 7 | 7 | 7 | 7 |
| FISCHER 344 RATS FEMALE
0 G/KG | 3 | 3 | 0 | 3 | 0 | 3 | 3 | 3 | 3 | 7 | 3 | 3 | 8 | 6 | 3 | 1 | 3 | 3 | 3 | 9 | 3 | 3 | 3 | 3 | 3 |
| | 0 | 0 | 6 | 0 | 8 | 2 | 0 | 2 | 2 | 6 | 0 | 1 | 6 | 5 | 1 | 9 | 1 | 1 | 2 | 7 | 0 | 2 | 2 | 2 | 2 |
| ANIMAL ID | 0 |
| | 0 |
| | 2 |
| | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 5 |
| | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 |
| * TOTALS |

NERVOUS SYSTEM

| | |
|----------------------|----|
| Brain | + | 50 |
| Leukemia Mononuclear | | | | | | | | | | | | | | | | X | | | | | | | | | 2 |
| Peripheral Nerve | | | | | | | | | | | | | | | + | | | | | | | | | | 1 |
| Spinal Cord | | | | | | | | | | | | | | | | + | | | | | | | | | 1 |
| Astrocytoma Benign | | | | | | | | | | | | | | | | X | | | | | | | | | 1 |

RESPIRATORY SYSTEM

| | |
|--------------------------------|----|
| Lung | + | 50 |
| Alveolar/Bronchiolar Adenoma | | | | | | | X | | | | | | | | | | | | | X | | | | | 4 |
| Fibrosarcoma, Metastatic, Skin | | | | | | X | | | | | | | | | | | | | | | | | | | 1 |
| Leukemia Mononuclear | | | | | | | | | | | | X | | | | X | | | | | | | | | 4 |
| Squamous Cell Carcinoma | 1 |
| Nose | + | 50 |
| Trachea | + | 50 |

* .. Total animals with tissue examined microscopically; Total animals with tumor

+ .. Tissue examined microscopically

x .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

Date Report Requested: 09/24/2007
Time Report Requested: 12:14:59
First Dose M/F: 03/25/02 / 03/26/02
Lab: BAT

TDMS No. 99023 - 03
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/F 344

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
beta-Myrcene
CAS Number: 123-35-3

Date Report Reqsted: 09/24/2007
Time Report Reqsted: 12:14:59
First Dose M/F: 03/25/02 / 03/26/02
Lab: BAT

| | |
|---|---|
| DAY ON TEST | 0 |
| | 7 | 7 | 7 | 6 | 7 | 6 | 7 | 7 | 7 | 7 | 6 | 6 | 7 | 7 | 7 | 5 | 4 | 6 | 7 | 7 | 7 | 7 | 7 | 0 | 7 |
| | 3 | 3 | 3 | 9 | 3 | 5 | 3 | 3 | 3 | 3 | 6 | 6 | 3 | 3 | 3 | 9 | 7 | 8 | 3 | 3 | 3 | 3 | 3 | 6 | 3 |
| | 0 | 2 | 1 | 9 | 2 | 1 | 1 | 1 | 0 | 2 | 6 | 6 | 2 | 2 | 0 | 6 | 6 | 9 | 1 | 0 | 0 | 0 | 1 | 6 | 2 |
| | |
| FISCHER 344 RATS FEMALE
0.25 G/KG
ANIMAL ID | 0 |
| | 0 |
| | 2 |
| | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 7 |
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 |
| females (cont...) |

ALIMENTARY SYSTEM

| |
|---------------------------|
| Esophagus | + |
| Intestine Large, Cecum | + |
| Intestine Large, Colon | + |
| Intestine Large, Rectum | + |
| Intestine Small, Duodenum | + |
| Intestine Small, Ileum | + |
| Intestine Small, Jejunum | + |
| Liver | + |
| Hepatocellular Carcinoma | X | |
| Leukemia Mononuclear | X | | | X | | | | | X | | | | X | | | | | | | | | | | | |
| Mesentery | | | | | | | | + | + | + | | + | | | | | | + | | | | | | | + |
| Pancreas | + |
| Salivary Glands | + |

* .. Total animals with tissue examined microscopically; Total animals with tumor

+ .. Tissue examined microscopically

x .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

TDMS No. 99023 - 03
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/F 344

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 09/24/2007
Time Report Requested: 12:14:59
First Dose M/F: 03/25/02 / 03/26/02
Lab: BAT

| | | |
|---|--|-------------------|
| DAY ON TEST | | 0 | 0 | | |
| | | 7 | 7 | 7 | 6 | 7 | 6 | 7 | 7 | 7 | 7 | 6 | 6 | 7 | 7 | 7 | 5 | 4 | 6 | 7 | 7 | 7 | 7 | 0 | 7 | |
| | | 3 | 3 | 3 | 9 | 3 | 5 | 3 | 3 | 3 | 3 | 6 | 6 | 3 | 3 | 3 | 9 | 7 | 8 | 3 | 3 | 3 | 3 | 6 | 3 | |
| | | 0 | 2 | 1 | 9 | 2 | 1 | 1 | 1 | 0 | 2 | 6 | 6 | 2 | 2 | 0 | 6 | 6 | 9 | 1 | 0 | 0 | 0 | 1 | 6 | 2 |
| FISCHER 344 RATS FEMALE
ANIMAL ID
0.25 G/KG | | 0 | 0 | | |
| | | 0 | 0 | | |
| | | 2 | 2 | | |
| | | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | | |
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 |
| | | females (cont...) | |

Stomach, Forestomach

+ +

Stomach, Glandular

+ +

CARDIOVASCULAR SYSTEM

Blood Vessel

+ +

Heart

+ +

ENDOCRINE SYSTEM

Adrenal Cortex

+ +

Adrenal Medulla

+ +

Leukemia Mononuclear

X

Islets, Pancreatic

+ +

Adenoma

Parathyroid Gland

+ + + + + + + + + + M + + + + + + + + + + + + +

Pituitary Gland

+ +

* .. Total animals with tissue examined microscopically; Total animals with tumor
+ .. Tissue examined microscopically
x .. Lesion present
I .. Insufficient tissue

M .. Missing tissue
A .. Autolysis precludes evaluation
BLANK .. Not examined microscopically

TDMS No. 99023 - 03
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/F 344

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
beta-Myrcene
CAS Number: 123-35-3

Date Report Reqsted: 09/24/2007
Time Report Reqsted: 12:14:59
First Dose M/F: 03/25/02 / 03/26/02
Lab: BAT

| | | |
|----------------------------------|--|-------------------|
| | | 0 | 0 | |
| DAY ON TEST | | 7 | 7 | 7 | 6 | 7 | 6 | 7 | 7 | 7 | 7 | 6 | 6 | 7 | 7 | 7 | 5 | 4 | 6 | 7 | 7 | 7 | 7 | 7 | 0 | 7 |
| | | 3 | 3 | 3 | 9 | 3 | 5 | 3 | 3 | 3 | 3 | 6 | 6 | 3 | 3 | 3 | 9 | 7 | 8 | 3 | 3 | 3 | 3 | 3 | 6 | 3 |
| | | 0 | 2 | 1 | 9 | 2 | 1 | 1 | 1 | 0 | 2 | 6 | 6 | 2 | 2 | 0 | 6 | 6 | 9 | 1 | 0 | 0 | 0 | 1 | 6 | 2 |
| | | |
| FISCHER 344 RATS FEMALE | | 0 | 0 | |
| ANIMAL ID | | 0 | 0 | |
| 0.25 G/KG | | 2 | 2 | |
| | | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | |
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 |
| | | females (cont...) | |
| Pars Distalis, Adenoma | | | X | X | | | | | | | X | X | X | X | | | | | X | | X | | X | | X | |
| Pars Distalis, Adenoma, Multiple | | |
| Thyroid Gland | | + | + | |
| C-cell, Adenoma | | | | | | | X | | X | | | X | X | | X | | | | | X | | | | | | |
| Follicle, Adenoma | | |
| | | |
| GENERAL BODY SYSTEM | | |
| NONE | | |
| | | |
| GENITAL SYSTEM | | |
| Clitoral Gland | | + | + | |
| Adenoma | | |
| Ovary | | + | + | |
| Granulosa Cell Tumor Malignant | | | | | | | | | | | | | | | | X | | | | | | | | | | |
| Thecoma Benign | | | | | | | X | | | | | | | | | | | | | | | | | | | |
| Uterus | | + | + | |
| Deciduoma Malignant | | | | | | | | | | | | | | | | X | | | | | | | | | | |
| Polyp Stromal | | X | | | | | | | | | | | X | | X | | | | | | | | | | | |
| Sarcoma Stromal | | |

GENERAL BODY SYSTEM
NONE

GENITAL SYSTEM

| |
|--------------------------------|
| Clitoral Gland | + |
| Adenoma |
| Ovary | + |
| Granulosa Cell Tumor Malignant | | | | | | | | | | | | | | | X | | | | | | | | | | |
| Thecoma Benign | | | | | | | X | | | | | | | | | | | | | | | | | | |
| Uterus | + |
| Deciduoma Malignant | | | | | | | | | | | | | | | | X | | | | | | | | | |
| Polyp Stromal | X | | | | | | | | | | | X | | X | | | | | | | | | | | |
| Sarcoma Stromal |

* .. Total animals with tissue examined microscopically; Total animals with tumor

+ .. Tissue examined microscopically

x .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

CAS Number: 123-35-3

**females
(cont...)**

TDMS No. 99023 - 03
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/F 344

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
beta-Myrcene
CAS Number: 123-35-3

Date Report Reqsted: 09/24/2007
Time Report Reqsted: 12:14:59
First Dose M/F: 03/25/02 / 03/26/02
Lab: BAT

| | | | |
|---|--|-------------------|--|
| DAY ON TEST | | 0 | 0 | | |
| | | 7 | 7 | 7 | 6 | 7 | 6 | 7 | 7 | 7 | 7 | 6 | 6 | 7 | 7 | 7 | 5 | 4 | 6 | 7 | 7 | 7 | 7 | 7 | 0 | 7 | |
| | | 3 | 3 | 3 | 9 | 3 | 5 | 3 | 3 | 3 | 3 | 6 | 6 | 3 | 3 | 3 | 9 | 7 | 8 | 3 | 3 | 3 | 3 | 6 | 6 | 3 | |
| | | 0 | 2 | 1 | 9 | 2 | 1 | 1 | 1 | 0 | 2 | 6 | 6 | 2 | 2 | 0 | 6 | 6 | 9 | 1 | 0 | 0 | 0 | 1 | 6 | 2 | |
| | | | |
| FISCHER 344 RATS FEMALE
ANIMAL ID
0.25 G/KG | | 0 | 0 | | |
| | | 0 | 0 | | |
| | | 2 | 2 | | |
| | | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | | |
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | |
| | | females (cont...) | |

females
(cont...)

SPECIAL SENSES SYSTEM

| |
|---------------------------|
| Ear |
| Pinna, Neural Crest Tumor | |
| Eye | + |
| Harderian Gland | + |

URINARY SYSTEM

| |
|-----------------------|
| Kidney | + |
| Leukemia Mononuclear | |
| Renal Tubule, Adenoma | |
| Urinary Bladder | + |

SYSTEMIC LESIONS

| |
|----------------------|
| Multiple Organ | + |
| Leukemia Mononuclear | X | | | X | | | | | X | | | | X | | | | | | | | | | | | |

* .. Total animals with tissue examined microscopically; Total animals with tumor

+ .. Tissue examined microscopically

x .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

TDMS No. 99023 - 03
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/F 344

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
beta-Myrcene
CAS Number: 123-35-3

Date Report Reqsted: 09/24/2007
Time Report Reqsted: 12:14:59
First Dose M/F: 03/25/02 / 03/26/02
Lab: BAT

| DAY ON TEST | | 0 | 0 | |
|--------------------------------------|--|----------|
| | | 7 | 7 | 4 | 7 | 7 | 7 | 3 | 7 | 6 | 6 | 6 | 7 | 7 | 1 | 7 | 7 | 5 | 4 | 7 | 7 | 7 | 7 | 7 | 5 | |
| | | 3 | 3 | 0 | 3 | 3 | 3 | 8 | 3 | 9 | 7 | 4 | 3 | 3 | 9 | 3 | 3 | 4 | 6 | 3 | 3 | 3 | 3 | 3 | 8 | |
| | | 2 | 1 | 8 | 1 | 1 | 0 | 5 | 1 | 7 | 3 | 6 | 1 | 1 | 7 | 2 | 0 | 8 | 2 | 2 | 2 | 2 | 0 | 0 | 1 | 1 |
| FISCHER 344 RATS FEMALE
ANIMAL ID | | 0 | 0 | |
| | | 0 | 0 | |
| | | 2 | 2 | 3 | |
| | | 7 | 7 | 7 | 7 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 0 | |
| | | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 |
| 0.25 G/KG | | * TOTALS | |

ALIMENTARY SYSTEM

| | |
|---------------------------|----|
| Esophagus | + | 50 |
| Intestine Large, Cecum | + | 50 |
| Intestine Large, Colon | + | 50 |
| Intestine Large, Rectum | + | 50 |
| Intestine Small, Duodenum | + | 50 |
| Intestine Small, Ileum | + | 50 |
| Intestine Small, Jejunum | + | 50 |
| Liver | + | 50 |
| Hepatocellular Carcinoma | 1 |
| Leukemia Mononuclear | X | X | | | | | | | | | | | | | X | | | | | | | | | X | | 8 |
| Mesentery | | + | | + | + | | | | + | | | + | | | | + | | | | | | | + | | | 13 |
| Pancreas | + | 50 |
| Salivary Glands | + | M | 49 |

* .. Total animals with tissue examined microscopically; Total animals with tumor
+ .. Tissue examined microscopically
x .. Lesion present
I .. Insufficient tissue

M .. Missing tissue
A .. Autolysis precludes evaluation
BLANK .. Not examined microscopically

TDMS No. 99023 - 03
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/F 344

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 09/24/2007
Time Report Requested: 12:14:59
First Dose M/F: 03/25/02 / 03/26/02
Lab: BAT

| DAY ON TEST | | 0 | 0 | | |
|--------------------------------------|--|-----------|--|
| | | 7 | 7 | 4 | 7 | 7 | 7 | 3 | 7 | 6 | 6 | 6 | 7 | 7 | 1 | 7 | 7 | 5 | 4 | 7 | 7 | 7 | 7 | 7 | 7 | 5 | |
| | | 3 | 3 | 0 | 3 | 3 | 3 | 8 | 3 | 9 | 7 | 4 | 3 | 3 | 9 | 3 | 3 | 4 | 6 | 3 | 3 | 3 | 3 | 3 | 3 | 8 | |
| | | 2 | 1 | 8 | 1 | 1 | 0 | 5 | 1 | 7 | 3 | 6 | 1 | 1 | 7 | 2 | 0 | 8 | 2 | 2 | 2 | 2 | 0 | 0 | 1 | 1 | |
| | | | |
| FISCHER 344 RATS FEMALE
0.25 G/KG | | ANIMAL ID | 0 | |
| | | 0 | 0 | |
| | | 2 | 2 | 3 | |
| | | 7 | 7 | 7 | 7 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 0 | |
| | | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | |
| | | * TOTALS | |

| | |
|----------------------|----|
| Stomach, Forestomach | + | 50 |
| Stomach, Glandular | + | 50 |

CARDIOVASCULAR SYSTEM

| | |
|--------------|----|
| Blood Vessel | + | 50 |
| Heart | + | 50 |

ENDOCRINE SYSTEM

| | |
|----------------------|----|
| Adrenal Cortex | + | 50 |
| Adrenal Medulla | + | 50 |
| Leukemia Mononuclear | | 1 |
| Islets, Pancreatic | + | 50 |
| Adenoma | | | | | | | | | | | X | | | | | | | | | | | | | | 1 |
| Parathyroid Gland | + | M | 48 |
| Pituitary Gland | + | 50 |

* .. Total animals with tissue examined microscopically; Total animals with tumor

+ .. Tissue examined microscopically

x .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

TDMS No. 99023 - 03
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/F 344

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
beta-Myrcene
CAS Number: 123-35-3

Date Report Reqsted: 09/24/2007
Time Report Reqsted: 12:14:59
First Dose M/F: 03/25/02 / 03/26/02
Lab: BAT

| | |
|---|--|
| DAY ON TEST | 0 | |
| | 7 | 7 | 4 | 7 | 7 | 7 | 3 | 7 | 6 | 6 | 6 | 7 | 7 | 1 | 7 | 7 | 5 | 4 | 7 | 7 | 7 | 7 | 7 | 5 | |
| | 3 | 3 | 0 | 3 | 3 | 3 | 8 | 3 | 9 | 7 | 4 | 3 | 3 | 9 | 3 | 3 | 4 | 6 | 3 | 3 | 3 | 3 | 3 | 8 | |
| | 2 | 1 | 8 | 1 | 1 | 0 | 5 | 1 | 7 | 3 | 6 | 1 | 1 | 7 | 2 | 0 | 8 | 2 | 2 | 2 | 2 | 0 | 0 | 1 | |
| | |
| FISCHER 344 RATS FEMALE
ANIMAL ID
0.25 G/KG | 0 | |
| | 0 | |
| | 2 | 3 | |
| | 7 | 7 | 7 | 7 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 0 | |
| | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | |
| * TOTALS | | |

HEMATOPOIETIC SYSTEM

| | | |
|------------------------|----|----|
| Bone Marrow | + | 50 | |
| Leukemia Mononuclear | X | | 3 | |
| Lymph Node | | | | | + | | | | | | | | | | | | | | | | | | | | 3 | |
| Lymph Node, Mandibular | M | 0 | |
| Lymph Node, Mesenteric | + | 50 | |
| Spleen | + | 50 | |
| Leukemia Mononuclear | X | X | | | | | | | | | | | | X | | | | | | | | | | X | 8 | |
| Thymus | + | M | + | 48 |

INTEGUMENTARY SYSTEM

| | |
|------------------------|----|
| Mammary Gland | + | 50 |
| Carcinoma | 2 |
| Fibroadenoma | X | | | | X | X | | X | | X | | | | | | | X | | X | | X | | | | 15 |
| Fibroadenoma, Multiple | | | | | | | | | | | | X | X | | | | | | | | | | | | 5 |
| Skin | + | 50 |

* .. Total animals with tissue examined microscopically; Total animals with tumor

+ .. Tissue examined microscopically

x .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

TDMS No. 99023 - 03
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/F 344

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
beta-Myrcene
CAS Number: 123-35-3

Date Report Reqsted: 09/24/2007
Time Report Reqsted: 12:14:59
First Dose M/F: 03/25/02 / 03/26/02
Lab: BAT

| | | |
|--------------------------------------|--|----------|
| DAY ON TEST | | 0 | 0 | |
| | | 7 | 7 | 4 | 7 | 7 | 7 | 3 | 7 | 6 | 6 | 6 | 7 | 7 | 1 | 7 | 7 | 5 | 4 | 7 | 7 | 7 | 7 | 7 | 5 |
| | | 3 | 3 | 0 | 3 | 3 | 3 | 8 | 3 | 9 | 7 | 4 | 3 | 3 | 9 | 3 | 3 | 4 | 6 | 3 | 3 | 3 | 3 | 3 | 8 |
| | | 2 | 1 | 8 | 1 | 1 | 0 | 5 | 1 | 7 | 3 | 6 | 1 | 1 | 7 | 2 | 0 | 8 | 2 | 2 | 2 | 2 | 0 | 0 | 1 |
| FISCHER 344 RATS FEMALE
ANIMAL ID | | 0 | 0 | |
| | | 0 | 0 | |
| | | 2 | 2 | 3 |
| | | 7 | 7 | 7 | 7 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 0 |
| | | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
| 0.25 G/KG | | * TOTALS | |

| | |
|-----------------------------|---|
| Keratoacanthoma | 1 |
| Subcutaneous Tissue, Lipoma | 1 |

MUSCULOSKELETAL SYSTEM

| | |
|------|----|
| Bone | + | 50 |
|------|----|

NERVOUS SYSTEM

| | |
|----------------------|----|
| Brain | + | 50 |
| Leukemia Mononuclear | | X | 1 |

RESPIRATORY SYSTEM

| | |
|--------------------------------|----|
| Lung | + | 50 |
| Alveolar/Bronchiolar Adenoma | | | | | | | | | | | | | | X | | | | | | | | | | | 3 |
| Alveolar/Bronchiolar Carcinoma | | | | | | | | | | X | | | | | | | | | | | | | | | 1 |
| Leukemia Mononuclear | X | X | | | | | | | | | | | | | | X | | | | | | | | | 5 |
| Nose | + | 50 |
| Trachea | + | 50 |

* .. Total animals with tissue examined microscopically; Total animals with tumor

+ .. Tissue examined microscopically

x .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

TDMS No. 99023 - 03
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/F 344

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
beta-Myrcene
CAS Number: 123-35-3

Date Report Reqsted: 09/24/2007
Time Report Reqsted: 12:14:59
First Dose M/F: 03/25/02 / 03/26/02
Lab: BAT

| DAY ON TEST | 0 |
|---|----------|
| | 7 | 7 | 4 | 7 | 7 | 7 | 3 | 7 | 6 | 6 | 6 | 7 | 7 | 1 | 7 | 7 | 5 | 4 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 5 |
| FISCHER 344 RATS FEMALE
0.25 G/KG
ANIMAL ID | 3 | 3 | 0 | 3 | 3 | 3 | 8 | 3 | 9 | 7 | 4 | 3 | 3 | 9 | 3 | 3 | 4 | 6 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 8 |
| | 2 | 1 | 8 | 1 | 1 | 0 | 5 | 1 | 7 | 3 | 6 | 1 | 1 | 7 | 2 | 0 | 8 | 2 | 2 | 2 | 2 | 0 | 0 | 1 | 1 | |
| | 0 |
| | 0 |
| | 2 | 3 | |
| | 7 | 7 | 7 | 7 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 0 | |
| | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | * TOTALS |

SPECIAL SENSES SYSTEM

| | |
|---------------------------|----|
| Ear | 3 |
| Pinna, Neural Crest Tumor | | 1 |
| Eye | + | 50 |
| Harderian Gland | + | 50 |

URINARY SYSTEM

| | |
|-----------------------|----|
| Kidney | + | 50 |
| Leukemia Mononuclear | 1 |
| Renal Tubule, Adenoma | | 1 |
| Urinary Bladder | + | 50 |

SYSTEMIC LESIONS

| | |
|----------------------|----|
| Multiple Organ | + | 50 |
| Leukemia Mononuclear | X | X | | | | | | | | | | | | X | | | | | | | | | X | | 8 |

* .. Total animals with tissue examined microscopically; Total animals with tumor

+ .. Tissue examined microscopically

x .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

TDMS No. 99023 - 03
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/F 344

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
beta-Myrcene
CAS Number: 123-35-3

Date Report Reqsted: 09/24/2007
Time Report Reqsted: 12:14:59
First Dose M/F: 03/25/02 / 03/26/02
Lab: BAT

| | | |
|--|--|-------------------|
| DAY ON TEST | | 0 | 0 |
| | | 5 | 5 | 7 | 7 | 7 | 7 | 7 | 6 | 7 | 7 | 7 | 7 | 3 | 7 | 7 | 7 | 7 | 6 | 5 | 7 | 7 | 7 | 6 |
| | | 9 | 5 | 3 | 3 | 3 | 3 | 3 | 6 | 3 | 3 | 3 | 3 | 4 | 3 | 3 | 3 | 0 | 3 | 3 | 9 | 3 | 3 | 1 |
| | | 2 | 6 | 2 | 1 | 0 | 0 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 0 | 1 | 2 | 7 | 1 | 7 | 6 | 0 | 2 |
| | | |
| FISCHER 344 RATS FEMALE
ANIMAL ID
0.5 G/KG | | 0 | 0 |
| | | 0 | 0 |
| | | 3 | 3 |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 |
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 |
| | | females (cont...) | |

Stomach, Forestomach

+ +

Stomach, Glandular

+ +

Tongue

CARDIOVASCULAR SYSTEM

Blood Vessel

+ +

Heart

+ +

Leukemia Mononuclear

ENDOCRINE SYSTEM

Adrenal Cortex

+ +

Adrenal Medulla

+ +

Islets, Pancreatic

+ +

Parathyroid Gland

+ + M + + + + + + + + + + + + + + + + + + + M +

Pituitary Gland

+ +

* .. Total animals with tissue examined microscopically; Total animals with tumor

+ .. Tissue examined microscopically

x .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

TDMS No. 99023 - 03
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/F 344

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
beta-Myrcene
CAS Number: 123-35-3

Date Report Reqsted: 09/24/2007
Time Report Reqsted: 12:14:59
First Dose M/F: 03/25/02 / 03/26/02
Lab: BAT

| | | | | |
|--------------------------|--|----------------------|--|---|
| | | 0 | 0 | | |
| DAY ON TEST | | 5 | 5 | 7 | 7 | 7 | 7 | 7 | 6 | 7 | 7 | 7 | 7 | 3 | 7 | 7 | 7 | 7 | 6 | 5 | 7 | 7 | 7 | 7 | 6 | 6 | | |
| | | 9 | 5 | 3 | 3 | 3 | 3 | 3 | 3 | 6 | 3 | 3 | 3 | 3 | 4 | 3 | 3 | 3 | 0 | 3 | 3 | 9 | 3 | 3 | 3 | 1 | | |
| | | 2 | 6 | 2 | 1 | 0 | 0 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 0 | 1 | 2 | 7 | 1 | 7 | 6 | 0 | 2 | 2 | 8 | | |
| | | | | |
| FISCHER 344 RATS FEMALE | | 0 | 0 | | |
| ANIMAL ID | | 0 | 0 | | |
| 0.5 G/KG | | 3 | 3 | | |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | | |
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | | |
| | | females
(cont...) | | |
| Pars Distalis, Adenoma | | | | | | | | | | X | | | X | | | | | | | | | X | | | X | | | X |
| Pars Intermedia, Adenoma | | X | | |
| | | | | |
| Thyroid Gland | | + | + | | |
| C-cell, Adenoma | | | | | | | | | | | | | | | | | X | | | | | | | | | | | |
| Follicle, Carcinoma | | | | | | X | | |
| | | | | |
| GENERAL BODY SYSTEM | | | | |
| NONE | | | | |
| | | | | |
| GENITAL SYSTEM | | | | |
| | | | | |
| Clitoral Gland | | + | + | | |
| Adenoma | | | | | | | X | | | | | | | | | | | X | | | | | | | | | | |
| Carcinoma | | | | | | | | | | | | | | | | | | | | | X | | | | | | | |
| | | | | |
| Ovary | | + | + | | |
| | | | | |
| Uterus | | + | + | | |
| Adenoma | | | | | | | | | | | | | | X | | | | | | | | | | | | | | |
| Polyp Stromal | | | | | | X | | | | | | | | | | X | | | X | | | | X | | | X | | |
| Polyp Stromal, Multiple | | | | | | | X | | | | | | X | | | | | | | | | | | | | | | |
| Bilateral, Polyp Stromal | | | | |

* .. Total animals with tissue examined microscopically; Total animals with tumor

+ .. Tissue examined microscopically

x .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

| | | |
|--------------------------------------|--|-------------------|
| DAY ON TEST | | 0 | 0 | | |
| | | 5 | 5 | 7 | 7 | 7 | 7 | 7 | 7 | 6 | 7 | 7 | 7 | 7 | 3 | 7 | 7 | 7 | 7 | 6 | 5 | 7 | 7 | 7 | 6 | |
| | | 9 | 5 | 3 | 3 | 3 | 3 | 3 | 3 | 6 | 3 | 3 | 3 | 3 | 4 | 3 | 3 | 3 | 0 | 3 | 3 | 9 | 3 | 3 | 3 | 1 |
| | | 2 | 6 | 2 | 1 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 0 | 1 | 2 | 7 | 1 | 7 | 6 | 0 | 2 | 2 |
| FISCHER 344 RATS FEMALE
ANIMAL ID | | 0 | 0 | |
| | | 0 | 0 |
| | | 3 | 3 |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2 |
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 |
| 0.5 G/KG | | females (cont...) | |

HEMATOPOIETIC SYSTEM

[illegible]

INTEGUMENTARY SYSTEM

Mammary Gland

M .. Missing tissue
A .. Autolysis precludes evaluation
BLANK .. Not examined microscopically

TDMS No. 99023 - 03
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/F 344

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 09/24/2007
Time Report Requested: 12:14:59
First Dose M/F: 03/25/02 / 03/26/02
Lab: BAT

| | | 0 | | | |
|--|--|--|--|---|
| DAY ON TEST | | 5 | 5 | 7 | 7 | 7 | 7 | 7 | 6 | 7 | 7 | 7 | 7 | 3 | 7 | 7 | 7 | 7 | 6 | 5 | 7 | 7 | 7 | 7 | 6 | | | | |
| | | 9 | 5 | 3 | 3 | 3 | 3 | 3 | 6 | 3 | 3 | 3 | 3 | 4 | 3 | 3 | 3 | 0 | 3 | 3 | 9 | 3 | 3 | 3 | 1 | | | | |
| | | 2 | 6 | 2 | 1 | 0 | 0 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 0 | 1 | 2 | 7 | 1 | 7 | 6 | 0 | 2 | 2 | 8 | | | |
| | | | | |
| FISCHER 344 RATS FEMALE | | 0 | | | | |
| ANIMAL ID | | 0 | | | | |
| 0.5 G/KG | | 3 | | | | |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | | | | |
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | | | | |
| | | | | |
| Fibroadenoma | | | | | | | | | | X | | | | | | | | | X | X | | | | | | | | | X |
| Fibroadenoma, Multiple | | | | | | | | X | | | | | X | | | | | | | | | | | | | | | | |
| Skin | | + | | | | |
| Basal Cell Carcinoma | | | | | | | | | | | | | | | | X | | | | | | | | | | | | | |
| Subcutaneous Tissue, Fibroma | | | | |
| Subcutaneous Tissue, Lipoma | | | | | | X | | | | | | | | | | | | | X | | | | | | | | | | |
| Subcutaneous Tissue, Mast Cell Tumor Malignant | | | | |
| Subcutaneous Tissue, Schwannoma Malignant | | X | | | | | |

MUSCULOSKELETAL SYSTEM

| |
|-----------------|
| Bone | + |
| Skeletal Muscle | |

NERVOUS SYSTEM

| |
|-------|
| Brain | + |
|-------|

RESPIRATORY SYSTEM

* .. Total animals with tissue examined microscopically; Total animals with tumor

+ .. Tissue examined microscopically

x .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

TDMS No. 99023 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/F 344

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

beta-Myrcene

CAS Number: 123-35-3

Date Report Requested: 09/24/2007
 Time Report Requested: 12:14:59
 First Dose M/F: 03/25/02 / 03/26/02
 Lab: BAT

| | | |
|--|--|----------|
| DAY ON TEST | | 0 | 0 | |
| | | 6 | 7 | 7 | 6 | 7 | 6 | 2 | 3 | 5 | 7 | 7 | 7 | 7 | 7 | 3 | 7 | 7 | 7 | 6 | 6 | 5 | 7 | 7 | 3 | 2 |
| | | 8 | 1 | 3 | 2 | 3 | 2 | 8 | 7 | 0 | 3 | 3 | 0 | 3 | 3 | 9 | 3 | 3 | 3 | 6 | 7 | 9 | 3 | 3 | 6 | 1 |
| | | 7 | 6 | 2 | 3 | 2 | 0 | 3 | 1 | 5 | 1 | 1 | 1 | 0 | 1 | 9 | 2 | 2 | 1 | 6 | 3 | 5 | 1 | 2 | 6 | 7 |
| <hr/> | | |
| FISCHER 344 RATS FEMALE

ANIMAL ID

0.5 G/KG | | 0 | 0 | |
| | | 0 | 0 | |
| | | 3 | 3 |
| | | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 5 |
| | | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 |
| | | * TOTALS | |

ALIMENTARY SYSTEM

| | |
|---------------------------|----|
| Esophagus | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | 49 |
| Intestine Large, Cecum | + | 49 |
| Intestine Large, Colon | + | 50 |
| Intestine Large, Rectum | + | 50 |
| Intestine Small, Duodenum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | 49 |
| Intestine Small, Ileum | + | 49 |
| Intestine Small, Jejunum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | 49 |
| Liver | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | 49 |
| Leukemia Mononuclear | | | | | | | | X | X | | | | | | | | | | | | | | | | | 3 |
| Mesentery | + | | | | | | | | | | | | | + | + | | | | | | | | | | | 7 |
| Pancreas | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | 49 |
| Salivary Glands | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | 49 |
| Myoepithelioma | | | | | | | | X | | | | | | | | | | | | | | | | | | 1 |

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 x .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

TDMS No. 99023 - 03
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/F 344

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 09/24/2007
Time Report Requested: 12:14:59
First Dose M/F: 03/25/02 / 03/26/02
Lab: BAT

| | |
|--|---|
| DAY ON TEST | 0 | |
| | 6 | 7 | 7 | 6 | 7 | 6 | 2 | 3 | 5 | 7 | 7 | 7 | 7 | 3 | 7 | 7 | 7 | 6 | 6 | 5 | 7 | 7 | 3 | 2 | |
| | 8 | 1 | 3 | 2 | 3 | 2 | 8 | 7 | 0 | 3 | 3 | 0 | 3 | 3 | 9 | 3 | 3 | 6 | 7 | 9 | 3 | 3 | 6 | 1 | |
| | 7 | 6 | 2 | 3 | 2 | 0 | 3 | 1 | 5 | 1 | 1 | 1 | 0 | 1 | 9 | 2 | 2 | 1 | 6 | 3 | 5 | 1 | 2 | 6 | 7 |
| | |
| FISCHER 344 RATS FEMALE
ANIMAL ID
0.5 G/KG | 0 | |
| | 0 | |
| | 3 | |
| | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | |
| | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 |
| * TOTALS | |

| | |
|----------------------|----|
| Stomach, Forestomach | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | 49 |
| Stomach, Glandular | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | 49 |
| Tongue | | | | | | | | | | | | | | + | | | | | | | | | | | | 1 |

CARDIOVASCULAR SYSTEM

| | |
|----------------------|----|
| Blood Vessel | + | 50 |
| Heart | + | + | + | + | + | + | + | X | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | 49 |
| Leukemia Mononuclear | | 1 |

ENDOCRINE SYSTEM

| | |
|--------------------|----|
| Adrenal Cortex | + | 50 |
| Adrenal Medulla | + | 50 |
| Islets, Pancreatic | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | 49 |
| Parathyroid Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | 47 |
| Pituitary Gland | + | 50 |

* .. Total animals with tissue examined microscopically; Total animals with tumor

+ .. Tissue examined microscopically

x .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

CAS Number: 123-35-3

| | | |
|--|--|----------|
| DAY ON TEST | | 0 | | | |
| | | 6 | 7 | 7 | 6 | 7 | 6 | 2 | 3 | 5 | 7 | 7 | 7 | 7 | 7 | 3 | 7 | 7 | 7 | 6 | 6 | 5 | 7 | 7 | 3 | 2 | |
| | | 8 | 1 | 3 | 2 | 3 | 2 | 8 | 7 | 0 | 3 | 3 | 0 | 3 | 3 | 9 | 3 | 3 | 3 | 6 | 7 | 9 | 3 | 3 | 6 | 1 | |
| | | 7 | 6 | 2 | 3 | 2 | 0 | 3 | 1 | 5 | 1 | 1 | 1 | 0 | 1 | 9 | 2 | 2 | 1 | 6 | 3 | 5 | 1 | 2 | 6 | 7 | |
| FISCHER 344 RATS FEMALE
ANIMAL ID
0.5 G/KG | | |
| | | 0 | | |
| | | 0 | | |
| | | 3 | | |
| | | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | | |
| | | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | * TOTALS |

[illegible]

NONE

GENITAL SYSTEM

[illegible]

M .. Missing tissue
A .. Autolysis precludes evaluation
BLANK .. Not examined microscopically

TDMS No. 99023 - 03
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/F 344

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
beta-Myrcene
CAS Number: 123-35-3

Date Report Reqsted: 09/24/2007
Time Report Reqsted: 12:14:59
First Dose M/F: 03/25/02 / 03/26/02
Lab: BAT

| DAY ON TEST | | 0 | 0 | | |
|--|--|----------|--|
| | | 6 | 7 | 7 | 6 | 7 | 6 | 2 | 3 | 5 | 7 | 7 | 7 | 7 | 3 | 7 | 7 | 7 | 6 | 6 | 5 | 7 | 7 | 3 | 2 | | |
| | | 8 | 1 | 3 | 2 | 3 | 2 | 8 | 7 | 0 | 3 | 3 | 0 | 3 | 3 | 9 | 3 | 3 | 6 | 6 | 7 | 9 | 3 | 3 | 6 | 1 | |
| | | 7 | 6 | 2 | 3 | 2 | 0 | 3 | 1 | 5 | 1 | 1 | 1 | 0 | 1 | 9 | 2 | 2 | 1 | 6 | 3 | 5 | 1 | 2 | 6 | 7 | |
| FISCHER 344 RATS FEMALE
ANIMAL ID
0.5 G/KG | | 0 | 0 | | |
| | | 0 | 0 | | |
| | | 3 | 3 | | |
| | | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | | |
| | | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | |
| | | * TOTALS | |

HEMATOPOIETIC SYSTEM

| | |
|--|----|
| Bone Marrow | + | 50 |
| Leukemia Mononuclear | | | | | | | | | X | | | | X | | | | | | | | | | | | | 2 |
| Lymph Node | | | | | | | | | + | | | | | | | | | | | | | | | | | 2 |
| Mediastinal, Schwannoma Malignant,
Metastatic, Skin | | 1 |
| Pancreatic, Leukemia Mononuclear | | | | | | | | | X | | | | | | | | | | | | | | | | | 1 |
| Lymph Node, Mandibular | M | 0 |
| Lymph Node, Mesenteric | + | 50 |
| Leukemia Mononuclear | | | | | | | | | X | | | | | | | | | | | | | | | | | 1 |
| Spleen | + | 50 |
| Leukemia Mononuclear | | | | | | | | | X | X | | | X | | | | | | | | | | | | | 4 |
| Thymus | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | 49 |
| Leukemia Mononuclear | | | | | | | | | X | | | | | | | | | | | | | | | | | 1 |

INTEGUMENTARY SYSTEM

| | |
|---------------|----|
| Mammary Gland | + | 50 |
|---------------|----|

* .. Total animals with tissue examined microscopically; Total animals with tumor

+ .. Tissue examined microscopically

x .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

TDMS No. 99023 - 03
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/F 344

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
beta-Myrcene
CAS Number: 123-35-3

Date Report Reqsted: 09/24/2007
Time Report Reqsted: 12:14:59
First Dose M/F: 03/25/02 / 03/26/02
Lab: BAT

| DAY ON TEST | | 0 | 0 | |
|--|--|----------|
| | | 6 | 7 | 7 | 6 | 7 | 6 | 2 | 3 | 5 | 7 | 7 | 7 | 7 | 3 | 7 | 7 | 7 | 6 | 6 | 5 | 7 | 7 | 3 | 2 | |
| | | 8 | 1 | 3 | 2 | 3 | 2 | 8 | 7 | 0 | 3 | 3 | 0 | 3 | 3 | 9 | 3 | 3 | 3 | 6 | 7 | 9 | 3 | 3 | 6 | 1 |
| | | 7 | 6 | 2 | 3 | 2 | 0 | 3 | 1 | 5 | 1 | 1 | 1 | 0 | 1 | 9 | 2 | 2 | 1 | 6 | 3 | 5 | 1 | 2 | 6 | 7 |
| FISCHER 344 RATS FEMALE
ANIMAL ID
0.5 G/KG | | 0 | 0 | |
| | | 0 | 0 | |
| | | 3 | 3 | |
| | | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | |
| | | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 |
| | | * TOTALS | |

| | |
|--|----|
| Fibroadenoma | | | | | | X | | | | | | | | | | | | | | X | X | X | | | 8 |
| Fibroadenoma, Multiple | | | | | | | | | | | | X | | | | | | | | | | X | | | 4 |
| Skin | + | 50 |
| Basal Cell Carcinoma | 1 |
| Subcutaneous Tissue, Fibroma | | | | | | | | | | | | | | X | | | | | | | | | | | 1 |
| Subcutaneous Tissue, Lipoma | | | | X | | 3 |
| Subcutaneous Tissue, Mast Cell Tumor Malignant | | | | | | | | | | | | | | | | X | | | | | | | | | 1 |
| Subcutaneous Tissue, Schwannoma Malignant | 1 |

MUSCULOSKELETAL SYSTEM

| | |
|-----------------|----|
| Bone | + | 50 |
| Skeletal Muscle | | | | | | | | | | | | | | | | | + | | | | | | | | 1 |

NERVOUS SYSTEM

| | |
|-------|----|
| Brain | + | 50 |
|-------|----|

RESPIRATORY SYSTEM

* .. Total animals with tissue examined microscopically; Total animals with tumor

+ .. Tissue examined microscopically

x .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

TDMS No. 99023 - 03
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/F 344

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
beta-Myrcene
CAS Number: 123-35-3

Date Report Reqsted: 09/24/2007
Time Report Reqsted: 12:14:59
First Dose M/F: 03/25/02 / 03/26/02
Lab: BAT

| DAY ON TEST | | 0 | 0 | |
|--|--|----------|
| | | 6 | 7 | 7 | 6 | 7 | 6 | 2 | 3 | 5 | 7 | 7 | 7 | 7 | 3 | 7 | 7 | 7 | 6 | 6 | 5 | 7 | 7 | 3 | 2 | |
| | | 8 | 1 | 3 | 2 | 3 | 2 | 8 | 7 | 0 | 3 | 3 | 0 | 3 | 3 | 9 | 3 | 3 | 3 | 6 | 7 | 9 | 3 | 3 | 6 | 1 |
| | | 7 | 6 | 2 | 3 | 2 | 0 | 3 | 1 | 5 | 1 | 1 | 1 | 0 | 1 | 9 | 2 | 2 | 1 | 6 | 3 | 5 | 1 | 2 | 6 | 7 |
| FISCHER 344 RATS FEMALE
ANIMAL ID
0.5 G/KG | | 0 | 0 | |
| | | 0 | 0 | |
| | | 3 | 3 | |
| | | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | |
| | | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 |
| | | * TOTALS | |

| | |
|--|----|
| Lung | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | 49 |
| Alveolar/Bronchiolar Adenoma | | | | | | | X | | | | | | | | | | | | | | | | | | | 2 |
| Carcinoma, Metastatic, Clitoral Gland | 1 |
| Leukemia Mononuclear | | | | | | | | X | | | | X | | | | | | | | | | | | | | 3 |
| Schwannoma Malignant, Metastatic, Skin | | 1 |
| Nose | + | 50 |
| Trachea | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | 49 |

SPECIAL SENSES SYSTEM

| | |
|-----------------|----|
| Eye | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | 49 |
| Harderian Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | 49 |

URINARY SYSTEM

| | |
|------------------------------------|----|
| Kidney | + | 50 |
| Leukemia Mononuclear | | | | | | | X | | | | | | | | | | | | | | | | | | | 1 |
| Urinary Bladder | + | 50 |
| Transitional Epithelium, Carcinoma | | | | | | | | | | | | | | | | | | X | | | | | | | | 1 |

* .. Total animals with tissue examined microscopically; Total animals with tumor

+ .. Tissue examined microscopically

x .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

TDMS No. 99023 - 03
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/F 344

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
beta-Myrcene
CAS Number: 123-35-3

Date Report Reqsted: 09/24/2007
Time Report Reqsted: 12:14:59
First Dose M/F: 03/25/02 / 03/26/02
Lab: BAT

| | | |
|--|--|----------|
| DAY ON TEST | | 0 | | |
| | | 6 | 7 | 7 | 6 | 7 | 6 | 2 | 3 | 5 | 7 | 7 | 7 | 7 | 3 | 7 | 7 | 7 | 6 | 6 | 5 | 7 | 7 | 3 | 2 | | |
| | | 8 | 1 | 3 | 2 | 3 | 2 | 8 | 7 | 0 | 3 | 3 | 0 | 3 | 3 | 9 | 3 | 3 | 6 | 7 | 9 | 3 | 3 | 6 | 1 | | |
| | | 7 | 6 | 2 | 3 | 2 | 0 | 3 | 1 | 5 | 1 | 1 | 1 | 0 | 1 | 9 | 2 | 2 | 1 | 6 | 3 | 5 | 1 | 2 | 6 | 7 | |
| | | |
| FISCHER 344 RATS FEMALE
ANIMAL ID
0.5 G/KG | | 0 | | |
| | | 0 | | |
| | | 3 | |
| | | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | |
| | | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | * TOTALS |

SYSTEMIC LESIONS

| | |
|----------------------|----|
| Multiple Organ | + | 50 |
| Leukemia Mononuclear | | | | | | | | X | X | | | X | | | | | | | | | | | | | | 4 |

* .. Total animals with tissue examined microscopically; Total animals with tumor

+ .. Tissue examined microscopically

x .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

CAS Number: 123-35-3

females
(cont...)

TDMS No. 99023 - 03
Test Type: CHRONIC
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Species/Strain: RATS/F 344

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beta-Myrcene
CAS Number: 123-35-3

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First Dose M/F: 03/25/02 / 03/26/02
Lab: BAT

| | |
|--|---|
| DAY ON TEST | 0 |
| | 7 | 7 | 7 | 7 | 7 | 2 | 7 | 5 | 7 | 7 | 7 | 0 | 7 | 4 | 7 | 7 | 6 | 7 | 7 | 7 | 5 | 7 | 7 | 7 | 7 |
| | 3 | 3 | 3 | 3 | 3 | 2 | 3 | 6 | 3 | 3 | 3 | 6 | 3 | 3 | 3 | 3 | 7 | 3 | 3 | 3 | 8 | 0 | 3 | 3 | 2 |
| | 0 | 2 | 0 | 0 | 1 | 5 | 0 | 0 | 0 | 1 | 2 | 4 | 0 | 5 | 1 | 0 | 8 | 1 | 2 | 0 | 8 | 3 | 1 | 2 | 4 |
| | |
| FISCHER 344 RATS FEMALE
1.0 G/KG
ANIMAL ID | 0 |
| | 0 |
| | 3 |
| | 5 |
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 |
| females (cont...) |

| |
|----------------------|
| Pancreas | + |
| Leukemia Mononuclear | |
| Lymphoma Malignant |
| Salivary Glands | + |
| Stomach, Forestomach | + |
| Leukemia Mononuclear | |
| Stomach, Glandular | + |
| Leukemia Mononuclear | |
| Lymphoma Malignant |

CARDIOVASCULAR SYSTEM

| |
|----------------------|
| Blood Vessel | + |
| Heart | + |
| Leukemia Mononuclear | |

ENDOCRINE SYSTEM

| |
|----------------|
| Adrenal Cortex | + |
|----------------|

* .. Total animals with tissue examined microscopically; Total animals with tumor

+ .. Tissue examined microscopically

x .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

TDMS No. 99023 - 03
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/F 344

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
beta-Myrcene
CAS Number: 123-35-3

Date Report Reqsted: 09/24/2007
Time Report Reqsted: 12:14:59
First Dose M/F: 03/25/02 / 03/26/02
Lab: BAT

| | |
|--|---|
| DAY ON TEST | 0 |
| | 7 | 7 | 7 | 7 | 7 | 2 | 7 | 5 | 7 | 7 | 7 | 0 | 7 | 4 | 7 | 7 | 6 | 7 | 7 | 7 | 5 | 7 | 7 | 7 | 7 |
| | 3 | 3 | 3 | 3 | 3 | 2 | 3 | 6 | 3 | 3 | 3 | 6 | 3 | 3 | 3 | 3 | 7 | 3 | 3 | 3 | 8 | 0 | 3 | 3 | 2 |
| | 0 | 2 | 0 | 0 | 1 | 5 | 0 | 0 | 0 | 1 | 2 | 4 | 0 | 5 | 1 | 0 | 8 | 1 | 2 | 0 | 8 | 3 | 1 | 2 | 4 |
| | |
| FISCHER 344 RATS FEMALE
1.0 G/KG
ANIMAL ID | 0 |
| | 0 |
| | 3 |
| | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 7 |
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 |
| females (cont...) |

Adrenal Medulla

+ +

Islets, Pancreatic

+ +

Parathyroid Gland

+ + + + + + + + + + + + + + M + + + + M + + + + +

Pituitary Gland

+ +

Leukemia Mononuclear

X

Pars Distalis, Adenoma

X

X

X

X

X

X

X

X

X

Pars Distalis, Adenoma, Multiple

Thyroid Gland

+ +

C-cell, Adenoma

X

Follicle, Adenoma

X

GENERAL BODY SYSTEM

NONE

GENITAL SYSTEM

Clitoral Gland

+ +

Adenoma

* .. Total animals with tissue examined microscopically; Total animals with tumor
+ .. Tissue examined microscopically
x .. Lesion present
I .. Insufficient tissue

M .. Missing tissue
A .. Autolysis precludes evaluation
BLANK .. Not examined microscopically

TDMS No. 99023 - 03
Test Type: CHRONIC
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Species/Strain: RATS/F 344

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 09/24/2007
Time Report Requested: 12:14:59
First Dose M/F: 03/25/02 / 03/26/02
Lab: BAT

| DAY ON TEST | 0 | 0 |
|-------------------------------------|--|---|
| | 7 | 7 | 7 | 7 | 7 | 2 | 7 | 5 | 7 | 7 | 7 | 0 | 7 | 4 | 7 | 7 | 6 | 7 | 7 | 7 | 5 | 7 | 7 | 7 | 7 | 7 |
| FISCHER 344 RATS FEMALE
1.0 G/KG | ANIMAL ID | 3 | 3 | 3 | 3 | 3 | 2 | 3 | 6 | 3 | 3 | 3 | 6 | 3 | 3 | 3 | 3 | 7 | 3 | 3 | 3 | 8 | 0 | 3 | 3 | 2 |
| | | 0 | 2 | 0 | 0 | 1 | 5 | 0 | 0 | 0 | 1 | 2 | 4 | 0 | 5 | 1 | 0 | 8 | 1 | 2 | 0 | 8 | 3 | 1 | 2 | 4 |
| Ovary | Granulosa Cell Tumor Malignant
Leukemia Mononuclear
Lymphoma Malignant | 0 |
| | | 0 |
| | | 3 |
| | | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 7 |
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 |
| Uterus | Leukemia Mononuclear
Lymphoma Malignant
Polyp Stromal
Sarcoma Stromal | + |
| | | + |
| | | |
| | | |
| | | |
| Vagina | | + |
| | | + |
| | | |
| | | |
| | | |

HEMATOPOIETIC SYSTEM

| Bone Marrow | + |
|------------------------|
| | + |
| Lymph Node | + |
| | + |
| Lymph Node, Mandibular | M |
| | M |

* .. Total animals with tissue examined microscopically; Total animals with tumor

+ .. Tissue examined microscopically

x .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

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beta-Myrcene
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First Dose M/F: 03/25/02 / 03/26/02
Lab: BAT

| | | |
|--|--|-------------------|
| DAY ON TEST | | 0 | 0 |
| | | 7 | 7 | 7 | 7 | 7 | 2 | 7 | 5 | 7 | 7 | 7 | 0 | 7 | 4 | 7 | 7 | 6 | 7 | 7 | 7 | 5 | 7 | 7 | 7 |
| | | 3 | 3 | 3 | 3 | 3 | 2 | 3 | 6 | 3 | 3 | 3 | 6 | 3 | 3 | 3 | 3 | 7 | 3 | 3 | 3 | 8 | 0 | 3 | 3 |
| | | 0 | 2 | 0 | 0 | 1 | 5 | 0 | 0 | 0 | 0 | 1 | 2 | 4 | 0 | 5 | 1 | 0 | 8 | 1 | 2 | 0 | 8 | 3 | 1 |
| | | |
| FISCHER 344 RATS FEMALE
ANIMAL ID
1.0 G/KG | | 0 | 0 |
| | | 0 | 0 |
| | | 3 | 3 |
| | | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 7 |
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 |
| | | females (cont...) | |

| |
|----------------------|
| Brain | + |
| Leukemia Mononuclear | | X | | | | X | | | | | | | | | | | X | | | | | | | |

RESPIRATORY SYSTEM

| |
|--------------------------------|
| Lung | + |
| Alveolar/Bronchiolar Adenoma | X | |
| Alveolar/Bronchiolar Carcinoma | |
| Leukemia Mononuclear | | | | | | X | | | X | | X | | | | | | X | | | | | | | |
| Nose | + |
| Leukemia Mononuclear | | | | | | | | | X | | | | | | | | | | | | | | | |
| Trachea | + |

SPECIAL SENSES SYSTEM

| |
|----------------------|
| Eye | + |
| Leukemia Mononuclear | | | | | | | | | X | | | | | | | | | | | | | | | |
| Harderian Gland | + |
| Zymbal's Gland |

* .. Total animals with tissue examined microscopically; Total animals with tumor

+ .. Tissue examined microscopically

x .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

TDMS No. 99023 - 03
Test Type: CHRONIC
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Species/Strain: RATS/F 344

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
beta-Myrcene
CAS Number: 123-35-3

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Time Report Reqsted: 12:14:59
First Dose M/F: 03/25/02 / 03/26/02
Lab: BAT

| |
|-------------------------------------|
| DAY ON TEST | 0 |
| | 7 | 7 | 7 | 7 | 7 | 2 | 7 | 5 | 7 | 7 | 7 | 0 | 7 | 4 | 7 | 7 | 6 | 7 | 7 | 7 | 5 | 7 | 7 | 7 | 7 |
| | 3 | 3 | 3 | 3 | 3 | 2 | 3 | 6 | 3 | 3 | 3 | 6 | 3 | 3 | 3 | 3 | 7 | 3 | 3 | 3 | 8 | 0 | 3 | 3 | 2 |
| | 0 | 2 | 0 | 0 | 1 | 5 | 0 | 0 | 0 | 1 | 2 | 4 | 0 | 5 | 1 | 0 | 8 | 1 | 2 | 0 | 8 | 3 | 1 | 2 | 4 |
| |
| FISCHER 344 RATS FEMALE
1.0 G/KG | 0 |
| | 0 |
| | 3 |
| | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 7 |
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 |
| females (cont...) |

Carcinoma

URINARY SYSTEM

| |
|-----------------------|
| Kidney | + |
| Leukemia Mononuclear | | X | | | | X | | | X | | | | | | | X | | | | | | | | | |
| Renal Tubule, Adenoma | | | | | | | X | | | | | | | | | | | | | | | | | | |
| |
| Urinary Bladder | + |
| Leukemia Mononuclear | | | | | | | | | X | | | | | | | | | | | | | | | | |

SYSTEMIC LESIONS

| |
|----------------------|
| Multiple Organ | + |
| Leukemia Mononuclear | | X | | | | X | | | X | | X | | | | | X | | | | | | | | | |
| Lymphoma Malignant | | | | | | | X | | | | | | | | | | | | | | | | | | |

* .. Total animals with tissue examined microscopically; Total animals with tumor

+ .. Tissue examined microscopically

x .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

TDMS No. 99023 - 03
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/F 344

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 09/24/2007
Time Report Requested: 12:14:59
First Dose M/F: 03/25/02 / 03/26/02
Lab: BAT

| DAY ON TEST | 0 |
|--|----------|
| | 4 | 6 | 7 | 7 | 7 | 0 | 7 | 0 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 5 | 7 | 6 | | |
| | 9 | 8 | 3 | 1 | 3 | 4 | 3 | 0 | 3 | 3 | 3 | 3 | 3 | 3 | 0 | 3 | 6 | 3 | 3 | 3 | 3 | 3 | 7 | 3 | 7 | |
| | 1 | 3 | 2 | 6 | 2 | 9 | 0 | 9 | 1 | 1 | 0 | 2 | 1 | 8 | 2 | 3 | 0 | 2 | 0 | 1 | 1 | 1 | 8 | 0 | 2 | |
| | |
| FISCHER 344 RATS FEMALE
1.0 G/KG
ANIMAL ID | 0 |
| | 0 |
| | 3 | 4 | |
| | 7 | 7 | 7 | 7 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 0 | |
| | |
| | | * TOTALS |

| | |
|----------------------|----|
| Pancreas | + | 50 |
| Leukemia Mononuclear | | 1 |
| Lymphoma Malignant | 1 |
| Salivary Glands | + | 50 |
| Stomach, Forestomach | + | 50 |
| Leukemia Mononuclear | | 1 |
| Stomach, Glandular | + | 50 |
| Leukemia Mononuclear | | 1 |
| Lymphoma Malignant | 1 |

CARDIOVASCULAR SYSTEM

| | |
|----------------------|----|
| Blood Vessel | + | 50 |
| Heart | + | 50 |
| Leukemia Mononuclear | | | | | | | | | | X | | | | | | | | | | | | | | | | 4 |

ENDOCRINE SYSTEM

| | |
|----------------|----|
| Adrenal Cortex | + | 50 |
|----------------|----|

* .. Total animals with tissue examined microscopically; Total animals with tumor

+ .. Tissue examined microscopically

x .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

Date Report Requested: 09/24/2007
Time Report Requested: 12:14:59
First Dose M/F: 03/25/02 / 03/26/02
Lab: BAT

TDMS No. 99023 - 03
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/F 344

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

beta-Myrcene

CAS Number: 123-35-3

Date Report Requested: 09/24/2007
Time Report Requested: 12:14:59
First Dose M/F: 03/25/02 / 03/26/02
Lab: BAT

| | | |
|---|--|----------|
| DAY ON TEST | | 0 | 0 | |
| | | 4 | 6 | 7 | 7 | 7 | 0 | 7 | 0 | 7 | 7 | 7 | 7 | 7 | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 5 | 7 | 6 | |
| | | 9 | 8 | 3 | 1 | 3 | 4 | 3 | 0 | 3 | 3 | 3 | 3 | 3 | 0 | 3 | 6 | 3 | 3 | 3 | 3 | 3 | 7 | 3 | 7 | |
| | | 1 | 3 | 2 | 6 | 2 | 9 | 0 | 9 | 1 | 1 | 0 | 2 | 1 | 8 | 2 | 3 | 0 | 2 | 0 | 1 | 1 | 1 | 8 | 0 | 2 |
| <hr/> | | |
| FISCHER 344 RATS FEMALE

1.0 G/KG | | 0 | 0 | |
| | | 0 | 0 | |
| | | 3 | 3 | 4 | |
| | | 7 | 7 | 7 | 7 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 0 | |
| | | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 |
| | | * TOTALS | |

| | |
|--------------------------------|----|
| Ovary | + | 50 |
| Granulosa Cell Tumor Malignant | | 1 |
| Leukemia Mononuclear | 3 |
| Lymphoma Malignant | 1 |
| Uterus | + | 50 |
| Leukemia Mononuclear | 1 |
| Lymphoma Malignant | 1 |
| Polyp Stromal | | | | | | | | | | | | | X | | | | | | | | | X | | | | 6 |
| Sarcoma Stromal | 1 |
| Vagina | + | | 1 |

HEMATOPOIETIC SYSTEM

| | |
|-----------------------------------|----|
| Bone Marrow | + | 50 |
| Leukemia Mononuclear | | | | | | | | | | X | | | | X | | | | X | | | | | | | | 6 |
| Lymphoma Malignant | 1 |
| Lymph Node | + | | | | | | | | | | | | | | | | | + | | | | | | | | 6 |
| Mediastinal, Leukemia Mononuclear | | | | | | | | | | | | | | | | | | X | | | | | | | | 2 |
| Pancreatic, Leukemia Mononuclear | 3 |
| Lymph Node, Mandibular | M | 0 |

* .. Total animals with tissue examined microscopically; Total animals with tumor
+ .. Tissue examined microscopically
x .. Lesion present
I .. Insufficient tissue

M .. Missing tissue
A .. Autolysis precludes evaluation
BLANK .. Not examined microscopically

TDMS No. 99023 - 03
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/F 344

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 09/24/2007
Time Report Requested: 12:14:59
First Dose M/F: 03/25/02 / 03/26/02
Lab: BAT

| DAY ON TEST | | 0 | 0 | |
|--|--|----------|
| | | 4 | 6 | 7 | 7 | 7 | 0 | 7 | 0 | 7 | 7 | 7 | 7 | 7 | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 5 | 7 | 6 | |
| | | 9 | 8 | 3 | 1 | 3 | 4 | 3 | 0 | 3 | 3 | 3 | 3 | 3 | 0 | 3 | 6 | 3 | 3 | 3 | 3 | 3 | 7 | 3 | 7 | |
| | | 1 | 3 | 2 | 6 | 2 | 9 | 0 | 9 | 1 | 1 | 0 | 2 | 1 | 8 | 2 | 3 | 0 | 2 | 0 | 1 | 1 | 1 | 8 | 0 | 2 |
| FISCHER 344 RATS FEMALE
1.0 G/KG
ANIMAL ID | | 0 | 0 | |
| | | 0 | 0 | |
| | | 3 | 3 | 4 | |
| | | 7 | 7 | 7 | 7 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 0 | |
| | | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 |
| | | * TOTALS | |

| | |
|------------------------|----|
| Lymph Node, Mesenteric | + | 50 |
| Leukemia Mononuclear | X | | | | | | | | | | | | | X | | | | | | | | | | | 6 |
| Lymphoma Malignant | 1 |
| Spleen | + | 50 |
| Leukemia Mononuclear | X | | | | | | X | | | X | | | X | | | X | | | X | | | | | | 10 |
| Thymus | + | 50 |
| Leukemia Mononuclear | | | | | | | | | | | X | | | | | | | | | | | | | | 2 |

INTEGUMENTARY SYSTEM

| | |
|---------------|----|
| Mammary Gland | + | 50 |
| Fibroadenoma | | X | | | | | | | | | | | | | | | | | | | | X | X | X | 7 |
| Skin | + | 50 |

MUSCULOSKELETAL SYSTEM

| | |
|------|----|
| Bone | + | 50 |
|------|----|

NERVOUS SYSTEM

* .. Total animals with tissue examined microscopically; Total animals with tumor

+ .. Tissue examined microscopically

x .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

Date Report Requested: 09/24/2007
Time Report Requested: 12:14:59
First Dose M/F: 03/25/02 / 03/26/02
Lab: BAT

CAS Number: 123-35-3

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