TDMS No. 99023 - 03	P18: INCIDENCE RATES OF NON-NEOPLASTIC LESIONS BY ANATOMIC SITE (a) WITH AVERAGE SEVERITY GRADES[b]	Date Report Requested: 08/15/2008
Test Type: CHRONIC	beta-Myrcene	Time Report Requested: 14:01:25
Route: GAVAGE	CAS Number: 123-35-3	First Dose M/F: 03/25/02 / 03/26/02
Species/Strain: RATS/F 344		Lab: BAT
	F1_Rev.2_R2	
C Number:	C99023	
Lock Date:	12/22/2004	
Cage Range:	ALL	

Date Range:

Reasons For Removal:

Removal Date Range:

Treatment Groups:

Study Gender:

TDMSE Version:

ALL

ALL

ALL

Both

2.0.0

Include ALL

MS No. 99023 - 03 st Type: CHRONIC ute: GAVAGE ecies/Strain: RATS/F 344	P18: INCIDENCE RA	Date Report Requested: 08/15/200 Time Report Requested: 14:01:25 First Dose M/F: 03/25/02 / 03/26/02 Lab: BAT			
FISCHER 344 RATS MALE	0 G/KG	0.25 G/KG	0.5 G/KG	1.0 G/KG	
Disposition Summary					
Animals Initially in Study Early Deaths	50	50	50	50	
Dosing Accident Moribund Sacrifice Natural Death Survivors	18 3	1 8 5	13 9	1 24 25	
Terminal Sacrifice Animals Examined Microscopically	29 50	36 50	28 50	50	
ALIMENTARY SYSTEM					
Esophagus	(50)	(50)	(50)	(50)	
Inflammation, Chronic Perforation Muscularis, Periesophageal Tissue, Hemorrhage		1 [4.0]	1 [2.0]	1 1 [2.0]	
Intestine Large, Cecum Inflammation, Chronic	(50)	(50)	(50) 1 [2.0]	(50)	
Intestine Large, Colon Inflammation, Chronic	(50)	(50)	(50) 1 [2.0]	(50)	
Parasite Metazoan Intestine Large, Rectum Inflammation, Chronic	1 [1.0] (50)	1 [1.0] (50)	2 [1.5] (50) 1 [2.0]	(48)	
Parasite Metazoan Ulcer	6 [1.2]	4 [1.0]	3 [1.3]	1 [3.0]	
Intestine Small, Duodenum Intestine Small, Ileum Parasite Metazoan	(49) (50) 1 [1.0]	(50) (50)	(50) (50)	(50) (50)	
Intestine Small, Jejunum Liver	(50) (50)	(50) (50)	(50) (50)	(50) (50)	
Angiectasis Basophilic Focus Clear Cell Focus	2 [2.0] 23 14	4 [1.3] 12 19	3 [1.7] 5 9	2	
Degeneration, Cystic Eosinophilic Focus Fatty Change	1 [1.0] 6 4 [1.8]	1 [1.0] 5 4 [1.5]	3 2 [2.0]		

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

Date Report Requested: 08/15/2008

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: RATS/F 344

beta-Myrcene

CAS Number: 123-35-3

Time Report Requested: 14:01:25 First Dose M/F: 03/25/02 / 03/26/02 Lab: BAT

FISCHER 344 RATS MALE	0 G/KG	0.25 G/KG	0.5 G/KG	1.0 G/KG	
Hemorrhage				1 [3.0]	
Hepatodiaphragmatic Nodule	3	3	2	3	
Inflammation, Chronic	34 [1.1]	36 [1.1]	19 [1.1]	1 [1.0]	
Mixed Cell Focus	6	1			
Necrosis		4 [1.8]	4 [2.0]	4 [1.3]	
Regeneration		1 [2.0]			
Bile Duct, Hyperplasia	39 [1.7]	42 [1.9]	39 [1.9]	6 [1.0]	
Centrilobular, Degeneration	3 [2.0]	1 [2.0]	1 [2.0]		
Hepatocyte, Hypertrophy	1 [1.0]	. [=]	. []	30 [1.6]	
Serosa, Hyperplasia	. []	1 [2.0]			
Serosa, Inflammation, Suppurative		. [=]	1 [3.0]		
Mesentery	(13)	(8)	(5)	(3)	
Fat, Necrosis	12 [2.1]	7 [2.0]	4 [2.8]	3 [2.0]	
Oral Mucosa	(2)	(0)	(0)	(0)	
Inflammation, Chronic	1 [1.0]	(8)	(0)	(0)	
Pancreas	(50)	(50)	(50)	(50)	
Inflammation, Granulomatous	1 [4.0]	(88)	(50)	(88)	
Necrosis	1 [3.0]				
Acinus, Atrophy	9 [1.2]	14 [1.2]	11 [1.6]	5 [1.2]	
Acinus, Hyperplasia	8 [1.8]	7 [1.6]	2 [2.0]	5[1.2]	
Activity, Inflammation, Chronic	0[1.0]	7 [1.0]	1 [2.0]		
Artery, Thrombosis			1 [2.0]	1 [4 0]	
Duct, Cyst	2	2	5	1 [4.0]	
	2	3	5	(40)	
Salivary Glands	(50)	(50)	(50)	(48)	
Atrophy				1 [2.0]	
Cyst		1			
Stomach, Forestomach	(50)	(50)	(50)	(50)	
Erosion	1 [1.0]			3 [2.7]	
Fibrosis			1 [4.0]		
Inflammation, Chronic Active	5 [2.4]	3 [2.0]	12 [2.5]	27 [2.2]	
Ulcer	2 [3.0]	2 [2.5]	5 [2.8]	18 [2.3]	
Serosa, Hyperplasia				1 [2.0]	
Stomach, Glandular	(50)	(50)	(50)	(50)	
Inflammation, Chronic	3 [1.7]	7 [1.1]	2 [1.5]		
Mineralization	1 [2.0]		1 [1.0]		
Ulcer	1 [2.0]	2 [2.5]	1 [3.0]	1 [2.0]	
Epithelium, Ectasia	14 [1.0]	27 [1.1]	33 [1.1]	14 [1.1]	
Epithelium, Hyperplasia	1 [2.0]	2 [1.5]	1 [2.0]		

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

DMS No. 99023 - 03 est Type: CHRONIC oute: GAVAGE pecies/Strain: RATS/F 344	P18: INCIDENCE RA	P18: INCIDENCE RATES OF NON-NEOPLASTIC LESIONS BY ANATOMIC SITE (a) WITH AVERAGE SEVERITY GRADES[b] beta-Myrcene CAS Number: 123-35-3				
FISCHER 344 RATS MALE	0 G/KG	0.25 G/KG	0.5 G/KG	1.0 G/KG		
CARDIOVASCULAR SYSTEM						
Heart	(50)	(50)	(50)	(50)		
Cardiomyopathy Atrium, Thrombosis	39 [1.5] 2 [2.5]	43 [1.6]	42 [1.6] 2 [3.0]	38 [1.2]		
Endocardium, Hyperplasia	Z [Z.3]		2 [3.0]	1 [1.0]		
Epicardium, Hyperplasia				1 [1.0]		
Myocardium, Mineralization Valve, Thrombosis			1 [3.0] 2 [2.0]	1 [2.0]		
			2 [2.0]			
ENDOCRINE SYSTEM						
Adrenal Cortex	(50)	(50)	(50)	(50)		
Hyperplasia	3 [1.3]	5 [1.4]	9 [1.6]	1 [2.0]		
Necrosis Vacuolization Cytoplasmic	13 [1.2]	2 [2.0] 16 [1.1]	15 [1.4]	1 [1.0] 7 [1.1]		
Capsule, Hyperplasia	13 [1.2]	1 [1.0]	15[1.4]	7 [1.1]		
Adrenal Medulla	(50)	(50)	(50)	(50)		
Hyperplasia	9 [1.4]	9 [1.7]	13 [1.8]	()		
Islets, Pancreatic	(50)	(50)	(50)	(50)		
Hyperplasia	1 [2.0]					
Parathyroid Gland	(45)	(47)	(48)	(45)		
Hyperplasia Dituitory Clond	(50)	(40)	1 [2.0] (50)	2 [2.5]		
Pituitary Gland Angiectasis	(50) 8 [1.5]	(49) 8 [2.0]	(50) 9 [1.7]	(50) 1 [1.0]		
Cyst	6	9	5	2		
Pars Distalis, Hyperplasia	15 [1.5]	11 [1.3]	10 [1.8]	4 [1.3]		
Thyroid Gland	(50)	(50)	(50)	(49)		
Čyst	1		1			
Inflammation, Granulomatous				1 [1.0]		
C-cell, Hyperplasia	20 [1.4]	18 [1.5]	15 [1.3]	1 [1.0]		
Follicle, Hyperplasia	4 [2.0]	2 [3.0]	3 [1.7]			

GENERAL BODY SYSTEM

None

GENITAL SYSTEM

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

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

Date Report Requested: 08/15/2008

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: RATS/F 344

beta-Myrcene

CAS Number: 123-35-3

Time Report Requested: 14:01:25 First Dose M/F: 03/25/02 / 03/26/02 Lab: BAT

FISCHER 344 RATS MALE	0 G/KG	0.25 G/KG	0.5 G/KG	1.0 G/KG	
Epididymis Granuloma Sperm Inflammation, Chronic	(50)	(50)	(50) 1 [1.0] 1 [2.0]	(48)	
Vacuolization Cytoplasmic, Focal Preputial Gland Atrophy Cyst	1 [3.0] (50) 1 [2.0] 1	(50)	(50)	(47)	
Hyperplasia Inflammation, Chronic Prostate Atrophy	1 [2.0] 42 [1.6] (50)	2 [2.0] 44 [1.6] (50)	43 [1.7] (50)	36 [1.4] (50) 1 [2.0]	
Hyperplasia Inflammation, Chronic Inflammation, Chronic Active Necrosis	7 [1.0] 4 [1.8] 1 [2.0]	3 [1.7] 6 [1.5]	6 [1.5] 8 [1.5]	1 [1.0] 6 [1.7]	
Seminal Vesicle Atrophy Testes	(50)	(50)	(50)	1 [3.0] (50) 1 [2.0]	
Interstitial Cell, Hyperplasia	(50) 6 [1.7]	(50) 2 [1.5]	(50) 2 [1.0]	(48) 9 [1.6]	
HEMATOPOIETIC SYSTEM					
Bone Marrow Hyperplasia Lymph Node Mediastinal, Ectasia	(50) 8 [2.8] (3) 1 [2.0]	(50) 5 [2.6] (5)	(50) 7 [1.9] (6)	(50) 1 [2.0] (0)	
Mediastinal, Hemorrhage Mediastinal, Hyperplasia, Lymphoid Mediastinal, Pigmentation, Hemosiderin	. [=.0]	1 [2.0] 2 [3.0] 1 [2.0]	1 [2.0] 1 [2.0]		
Lymph Node, Mandibular Lymph Node, Mesenteric Pigmentation, Hemosiderin	(0) (50)	(0) (50)	(1) (50)	(0) (50) 1 [2.0]	
Spleen Atrophy Congestion	(50) 1 [2.0]	(50) 2 [2.5]	(50) 6 [1.7] 2 [2.0]	(50) 46 [3.2]	
Fibrosis Hematopoietic Cell Proliferation Infarct	3 [2.7] 8 [2.0]	6 [1.7]	4 [2.0] 1 [3.0]		
Necrosis, Focal		1 [2.0]	1 [3.0]		

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

OMS No. 99023 - 03 est Type: CHRONIC oute: GAVAGE becies/Strain: RATS/F 344	P18: INCIDENCE RA	Date Report Requested: 08/15/20 Time Report Requested: 14:01:20 First Dose M/F: 03/25/02 / 03/26/0 Lab: BAT			
FISCHER 344 RATS MALE	0 G/KG	0.25 G/KG	0.5 G/KG	1.0 G/KG	
Thymus Atrophy Inflammation, Suppurative Epithelial Cell, Hyperplasia	(47) 40 [2.9]	(50) 42 [3.4] 1 [3.0]	(48) 43 [3.4] 1 [3.0]	(47) 44 [3.8]	
INTEGUMENTARY SYSTEM					
Mammary Gland	(50)	(50)	(49)	(50)	
Cyst Inflammation, Chronic Skin Hyperkeratosis Inflammation, Chronic Ulcer Subcutaneous Tissue, Inflammation, Granulomatous	(50)	(50) 1 [1.0] 1 [2.0]	1 1 [2.0] (50) 1 [1.0] 1 [1.0] 1 [3.0]	(50)	
MUSCULOSKELETAL SYSTEM					
Bone Skeletal Muscle	(50) (1)	(50) (1)	(50) (1)	(50) (0)	
NERVOUS SYSTEM					
Brain Hydrocephalus Cerebrum, Compression Hypothalamus, Compression	(50) 3 [2.7]	(50) 1 [3.0]	(50)	(50)	
Neuron, Necrosis, Focal Peripheral Nerve Axon, Degeneration	1 [3.0] (2) 1 [3.0]	(0)	1 [3.0] (0)	(0)	
RESPIRATORY SYSTEM					
Lung Inflammation Inflammation, Chronic Metaplasia, Osseous	(50) 32 [1.2] 1 [1.0] 5 [1.0]	(50) 33 [1.0]	(50) 18 [1.1] 1 [1.0]	(50) 14 [1.0] 2 [1.0]	

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

CAS Number: 123-35-3

Date Report Requested: 08/15/2008

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: RATS/F 344

Time Report Requested: 14:01:25 First Dose M/F: 03/25/02 / 03/26/02 Lab: BAT

FISCHER 344 RATS MALE	0 G/KG	0.25 G/KG	0.5 G/KG	1.0 G/KG	
Alveolar Epithelium, Hyperplasia Alveolus, Emphysema	9 [1.3] 1 [3.0]	9 [1.9]	2 [1.5]	4 [1.3]	
Nose	(50)	(50)	(50)	(50)	
Dysplasia Inflammation, Chronic Active Ulcer	14 [1.5]	19 [1.2]	1 [2.0] 27 [1.3] 1 [1.0]	35 [1.6]	
Olfactory Epithelium, Degeneration Trachea Peritracheal Tissue, Inflammation, Chronic	45 [1.2] (50)	49 [1.2] (50) 1 [3.0]	47 [1.4] (50)	49 [2.6] (50)	
SPECIAL SENSES SYSTEM					
Eye	(50)	(50)	(50)	(50)	
Cataract Anterior Chamber, Inflammation, Suppurative	1 [3.0]	1 [3.0]			
Cornea, Inflammation, Suppurative Retina, Degeneration		1 [3.0] 1 [3.0]			
Sclera, Metaplasia, Osseous Harderian Gland Atrophy	23 [1.5] (50)	25 [1.4] (50) 1 [2.0]	30 [1.5] (50)	6 [1.5] (49) 1 [3.0]	
Cyst Hyperplasia	1 1 [1.0]	2 [1.5]		1 [2.0]	
Inflammation, Chronic Pigmentation, Porphyrin Zymbal's Gland	2 [1.0] 50 [1.9] (0)	1 [1.0] 50 [2.1] (1)	50 [2.2] (0)	2 [2.5] 49 [2.4] (0)	
JRINARY SYSTEM					
Kidney	(50)	(50)	(50)	(50)	
Hydronephrosis Inflammation, Suppurative, Focal Inflammation, Chronic	1 [3.0] 1 [1.0] 1 [2.0]	22 [1.0]	22 [1.0]		
Metaplasia, Osseous Mineralization	. [=.0]	1 [1.0]	1 [2.0]		
Nineralization Necrosis Nephropathy Pigmentation	1 [3.0] 45 [1.2] 1 [3.0]	2 [2.5] 48 [2.0]	2 [3.0] 48 [2.6]	49 [3.9]	

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

MS No. 99023 - 03 st Type: CHRONIC ute: GAVAGE ecies/Strain: RATS/F 344	P18: INCIDENCE RA	ATES OF NON-NEOPLA AVERAGE SEVI beta-f CAS Numl	Date Report Requested: 08/15/200 Time Report Requested: 14:01:25 First Dose M/F: 03/25/02 / 03/26/02 Lab: BAT		
FISCHER 344 RATS MALE	0 G/KG	0.25 G/KG	0.5 G/KG	1.0 G/KG	
Papilla, Mineralization Renal Tubule, Cyst Renal Tubule, Hyperplasia Renal Tubule, Hyperplasia, Oncocytic	1 [1.0] 1	48 [2.1] 3 3 [1.7]	40 [1.9] 2 2 [1.0]	4 [1.0]	
Renal Tubule, Nephrosis Transitional Epithelium, Hyperplasia Vein, Thrombosis		42 [1.8] 21 [1.4]	46 [2.7] 19 [1.4] 3 [2.3]	48 [3.9] 18 [1.4] 3 [2.7]	
Urinary Bladder Inflammation	(50)	(50)	(50)	(49) 1 [2.0]	

*** END OF MALE ***

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

IS No. 99023 - 03 : Type: CHRONIC te: GAVAGE cies/Strain: RATS/F 344	P18: INCIDENCE RA	Date Report Requested: 08/15/200 Time Report Requested: 14:01:25 First Dose M/F: 03/25/02 / 03/26/02 Lab: BAT			
FISCHER 344 RATS FEMALE	0 G/KG	0.25 G/KG	0.5 G/KG	1.0 G/KG	
Disposition Summary					
Animals Initially in Study Early Deaths	50	50	50	50	
Accidently Killed		1			
Dosing Accident		1		1	
Moribund Sacrifice	11	9	12	7	
Natural Death	8	6	10	9	
Survivors	6	6	10	0	
Terminal Sacrifice	31	33	28	33	
Animals Examined Microscopically	50	50	50	50	
ALIMENTARY SYSTEM					
Esophagus Perforation	(50)	(50)	(49)	(50)	
Muscularis, Inflammation, Chronic		1		1 [2.0]	
	(50)	(50)	(50)	(50)	
Intestine Large, Colon Parasite Metazoan	(50)	(50)		(50)	
Ulcer		1 [1.0]	1 [1.0]	1 [2.0]	
Intestine Large, Rectum	(50)	(50)	(50)	(50)	
Parasite Metazoan	1 [1.0]	5 [1.0]	5 [1.4]	2 [1.5]	
Ulcer	1 [3.0]	5[1.0]	5[1:4]	2 [1.5]	
Intestine Small, Duodenum	(50)	(50)	(49)	(50)	
Intestine Small, Ileum	(50)	(50)	(49)	(50)	
Epithelium, Hyperplasia, Focal	(00)	(00)	()	1 [2.0]	
Liver	(50)	(50)	(49)	(50)	
Angiectasis	1 [2.0]		(-)	1 [1.0]	
Basophilic Focus	44	43	42	31	
Clear Cell Focus	4	6	6	8	
Eosinophilic Focus	6	10	15	24	
Fatty Change	3 [2.0]	3 [2.0]	4 [1.8]	1 [1.0]	
Fibrosis			2 [1.0]	-	
Hemorrhage		1 [3.0]			
Hepatodiaphragmatic Nodule	6	5	6	8	
Inflammation, Chronic	41 [1.0]	41 [1.1]	41 [1.0]	33 [1.0]	
Mineralization			1 [1.0]		
Mixed Cell Focus	6	5		6	

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

Date Report Requested: 08/15/2008

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: RATS/F 344

beta-Myrcene CAS Number: 123-35-3 Time Report Requested: 14:01:25 First Dose M/F: 03/25/02 / 03/26/02 Lab: BAT

FISCHER 344 RATS FEMALE	0 G/KG	0.25 G/KG	0.5 G/KG	1.0 G/KG	
Necrosis	2 [1.5]	1 [3.0]	1 [2.0]	1 [1.0]	
Regeneration Bile Duct, Cyst	1 [2.0]			1 [1.0]	
Bile Duct, Cyst Bile Duct, Hyperplasia	8 [1.1]	11 [1.3]	12 [1.2]	11 [1.5]	
Centrilobular, Degeneration	1 [3.0]	11[1.0]	2 [2.5]	1 [3.0]	
Centrilobular, Necrosis	1 [0.0]		2 [3.0]	1 [0:0]	
Sinusoid, Congestion	1 [3.0]		2 [0:0]		
Sinusoid, Infiltration Cellular, Histiocyte	1 [3.0]				
Mesentery	(7)	(13)	(7)	(9)	
Fat, Necrosis	6 [2.3]	13 [2.2]	7 [2.1]	9 [2.3]	
Oral Mucosa	(1)	(0)	(0)	(0)	
Pancreas	(50)	(50)	(49)	(50)	
Acinus, Atrophy	9 [1.2]	9 [1.1]	10 [1.1]	3 [1.0]	
Acinus, Hyperplasia	1 [1.0]		1 [2.0]		
Duct, Cyst	3	2	3	4	
Salivary Glands	(50)	(49)	(49)	(50)	
Hyperplasia				1 [2.0]	
Stomach, Forestomach	(50)	(50)	(49)	(50)	
Inflammation, Chronic Active	1 [1.0]	1 [2.0]	2 [2.0]	3 [1.3]	
Ulcer			1 [3.0]	1 [1.0]	
Stomach, Glandular	(50)	(50)	(49)	(50)	
Mineralization	1 [2.0]	4 [1.3]		1 [1.0]	
Epithelium, Ectasia	38 [1.3]	39 [1.6]	36 [1.4]	38 [1.6]	
_Epithelium, Hyperplasia	(1)			1 [1.0]	
Tongue	(1)	(0)	(1)	(0)	
CARDIOVASCULAR SYSTEM					
Heart	(50)	(50)	(49)	(50)	
Cardiomyopathy	43 [1.3]	31 [1.2]	30 [1.2]	34 [1.2]	
Fibrosis	10 [1.0]	1 [2.0]	00[112]	0 [[]	
Atrium, Thrombosis		. [=:0]	1 [3.0]		
Myocardium, Inflammation, Chronic		1 [3.0]	.[]		
Valve, Inflammation, Chronic		1 [4.0]			
ENDOCRINE SYSTEM					
Adrenal Cortex	(50)	(50)	(50)	(50)	
Hyperplasia	10 [1.5]	10 [1.6]	12 [1.6]	8 [1.8]	
i i por pidola	10[1.0]	10[1.0]	12[1.0]	0[1:0]	

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

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

Date Report Requested: 08/15/2008

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: RATS/F 344

beta-Myrcene

CAS Number: 123-35-3

Time Report Requested: 14:01:25 First Dose M/F: 03/25/02 / 03/26/02 Lab: BAT

FISCHER 344 RATS FEMALE	0 G/KG	0.25 G/KG	0.5 G/KG	1.0 G/KG	
Necrosis			1 [2.0]		
Vacuolization Cytoplasmic	17 [1.3]	14 [1.2]	14 [1.6]	16 [1.5]	
Adrenal Medulla	(50)	(50)	(50)	(50)	
Hyperplasia	3 [1.0]	1 [1.0]	4 [1.5]	1 [2.0]	
Islets, Pancreatic	(50)	(50)	(49)	(50)	
Hyperplasia	, , , , , , , , , , , , , , , , , , ,	2 [2.0]	4 [1.0]		
Parathyroid Gland	(47)	(48)	(47)	(45)	
Cyst				1 [2.0]	
Pituitary Gland	(50)	(50)	(50)	(50)	
Angiectasis	17 [2.1]	24 [1.9]	16 [1.8]	14 [1.9]	
Cyst	14	22	16	9	
Fibrosis	1 [1.0]	2 [1.5]			
Pars Distalis, Hyperplasia	14 [1.8]	13 [1.7]	15 [1.4]	10 [1.8]	
Pars Intermedia, Hyperplasia	1 [2.0]				
Thyroid Gland	(50)	(49)	(49)	(50)	
Čyst		. ,	1		
C-cell, Hyperplasia	19 [1.5]	20 [1.8]	22 [1.4]	17 [1.6]	
Follicle, Hyperplasia	1 [2.0]	1 [2.0]	4 [1.3]	4 [1.8]	

GENERAL BODY SYSTEM

None

GENITAL SYSTEM

Clitoral Gland	(50)	(50)	(50)	(50)
Cyst	3	1	1	
Hyperplasia	8 [1.6]	8 [1.5]	13 [1.3]	4 [2.0]
Inflammation, Chronic	22 [1.1]	11 [1.2]	26 [1.1]	14 [1.1]
Ovary	(50)	(50)	(50)	(50)
Atrophy		1 [3.0]		
Cyst	3	7	6	4
Uterus	(50)	(50)	(50)	(50)
Angiectasis	()			1 [2.0]
Cyst		2	2	
Dilatation	2 [1.5]	1 [3.0]	2 [2.0]	1 [1.0]
Inflammation, Suppurative		1 [2.0]		1 [2.0]
Inflammation, Chronic	1 [3.0]			1 [2.0]
Necrosis	[]		1 [3.0]	L - J

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

MS No. 99023 - 03 at Type: CHRONIC ate: GAVAGE acies/Strain: RATS/F 344	P18: INCIDENCE RATES OF NON-NEOPLASTIC LESIONS BY ANATOMIC SITE (a) WITH AVERAGE SEVERITY GRADES[b] beta-Myrcene CAS Number: 123-35-3				Date Report Requested: 08/15/2008 Time Report Requested: 14:01:25 First Dose M/F: 03/25/02 / 03/26/02 Lab: BAT
FISCHER 344 RATS FEMALE	0 G/KG	0.25 G/KG	0.5 G/KG	1.0 G/KG	
Endometrium, Hyperplasia, Cystic	4 [1.3]	7 [1.1]	7 [1.3]	13 [1.5]	
HEMATOPOIETIC SYSTEM					
Bone Marrow Hyperplasia Lymph Node Deep Cervical, Hyperplasia, Lymphoid Deep Cervical, Infiltration Cellular,	(50) 3 [2.0] (5) 1 [1.0]	(50) 1 [3.0] (3) 1 [2.0]	(50) 2 [1.5] (2)	(50) 1 [2.0] (6) 1 [2.0]	
Histiocyte Deep Cervical, Pigmentation Mediastinal, Ectasia Mediastinal, Hyperplasia, Lymphoid Lymph Node, Mesenteric Infiltration Cellular, Histiocyte Pigmentation, Hemosiderin	1 [2.0] (50)	1 [3.0] 2 [2.5] (50)	(50)	1 [2.0] 1 [3.0] (50) 1 [2.0] 1 [2.0]	
Spleen Atrophy Fibrosis	(50) 6 [2.0]	(50) 2 [2.0]	(50) 3 [2.3] 1 [3.0]	(50) 2 [1.0]	
Hematopoietic Cell Proliferation	7 [1.7]	12 [1.3]	13 [1.8] 1 [3.0]	9 [1.3]	
Thymus Atrophy Cyst	(49) 46 [3.2]	(48) 45 [3.6]	(49) 47 [3.3] 1 [1.0]	(50) 44 [3.3]	
Infiltration Cellular, Lymphocyte Inflammation, Chronic Epithelial Cell, Hyperplasia	1 [3.0] 1 [2.0]	1 [2.0]	1 [2.0]	1 [2.0]	
NTEGUMENTARY SYSTEM					
Mammary Gland Cyst Skin Cyst Epithelial Inclusion	(50) 2 (50)	(50) 1 (50) 1	(50) 2 (50)	(50) 2 (50)	
MUSCULOSKELETAL SYSTEM					
Skeletal Muscle	(0)	(0)	(1)	(0)	

TDMS No. 99023 - 03 Test Type: CHRONIC Route: GAVAGE Species/Strain: RATS/F 344 FISCHER 344 RATS FEMALE	P18: INCIDENCE RA	Date Report Requested: 08/15/2008 Time Report Requested: 14:01:25 First Dose M/F: 03/25/02 / 03/26/02 Lab: BAT			
	0 G/KG	0.25 G/KG	0.5 G/KG	1.0 G/KG	
Inflammation, Suppurative			1 [1.0]		
NERVOUS SYSTEM					
Brain Hydrocephalus Hypothalamus, Compression Meninges, Inflammation, Chronic Spinal Cord	(50) 3 [2.7] 4 [2.8] (1)	(50) 4 [2.5] 4 [3.0] (0)	(50) 6 [2.7] 8 [3.1] 1 [1.0] (0)	(50) 2 [2.5] 5 [3.0] 2 [1.0] (0)	
RESPIRATORY SYSTEM					
Lung Congestion Edema Inflammation Metaplasia, Osseous Alveolar Epithelium, Hyperplasia Nose Erosion	(50) 1 [3.0] 34 [1.1] 1 [1.0] 6 [1.5] (50) 1 [1.0]	(50) 1 [3.0] 43 [1.0] 3 [2.0] (50)	(49) 40 [1.1] 4 [1.5] (50)	(50) 32 [1.0] 2 [1.0] 7 [1.3] (50)	
Inflammation, Chronic Active Olfactory Epithelium, Degeneration	16 [1.1] 45 [1.0]	10 [1.0] 44 [1.0]	13 [1.2] 45 [1.0]	10 [1.0] 48 [1.0]	
SPECIAL SENSES SYSTEM					
Ear Hyperplasia Eye Cataract Degeneration Optic Nerve, Atrophy Retina, Atrophy Sclera, Metaplasia, Osseous	(0) (50) 1 [3.0] 1 [3.0] 1 [1.0]	(3) 1 [1.0] (50)	(0) (49) 1 [3.0]	(0) 1 [3.0] 1 [2.0] 1 [3.0] 1 [3.0] 1 [1.0]	
Harderian Gland Atrophy Hyperplasia Inflammation, Chronic Pigmentation, Porphyrin	(50) 1 [4.0] 1 [2.0] 7 [1.0] 50 [2.1]	(50) 1 [4.0] 8 [1.0] 48 [2.1]	(49) 2 [2.0] 1 [1.0] 7 [1.1] 48 [2.0]	(50) 1 [2.0] 2 [1.5] 45 [2.1]	

TDMS No. 99023 - 03	P18: INCIDENCE RA	Date Report Requested: 08/15/2008 Time Report Requested: 14:01:25 First Dose M/F: 03/25/02 / 03/26/02 Lab: BAT			
Test Type: CHRONIC Route: GAVAGE Species/Strain: RATS/F 344					
FISCHER 344 RATS FEMALE	0 G/KG	0.25 G/KG	0.5 G/KG	1.0 G/KG	
Zymbal's Gland	(0)	(0)	(0)	(2)	
URINARY SYSTEM					
Kidney Inflammation, Suppurative, Focal Mineralization	(50) 1 [2.0]	(50) 1 [1.0]	(50)	(50) 1 [1.0]	
Necrosis Nephropathy Pigmentation	1 [3.0] 26 [1.0] 1 [3.0]	1 [3.0] 43 [1.0]	1 [2.0] 41 [1.3]	44 [1.7]	
Papilla, Inflammation, Suppurative Papilla, Mineralization Pelvis, Inflammation, Chronic Renal Tubule, Cyst	1 [1.0] 5 [1.0] 1 [2.0] 2	3 [1.0] 3 [2.0]	1 [1.0] 1		
Renal Tubule, Hyperplasia Renal Tubule, Nephrosis Transitional Epithelium, Hyperplasia Urinary Bladder Inflammation	1 [1.0] (50) 2 [1.0]	2 [1.0] 12 [1.3] (50)	27 [1.0] 15 [1.3] (50) 1 [1.0]	1 [1.0] 45 [1.2] 19 [1.2] (50)	

*** END OF REPORT ***