

TDMS No. 99023 - 04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
beta-Myrcene
CAS Number: 123-35-3

F1_M3

Date Report Reqsted: 07/26/2007
Time Report Reqsted: 09:29:40
First Dose M/F: 04/11/02 / 04/10/02
Lab: BAT

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

TDMS No. 99023 - 04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 07/26/2007
Time Report Requested: 09:29:40
First Dose M/F: 04/11/02 / 04/10/02
Lab: BAT

B6C3F1 MICE MALE 0 G/KG	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	
		7	7	7	7	7	5	7	7	7	6	6	4	7	7	5	7	7	7	7	6	7	7	7	7
		2	2	2	2	2	6	2	2	2	0	5	6	3	2	9	2	2	2	3	1	2	3	2	3
		9	7	9	8	8	7	8	9	9	7	9	8	0	9	9	9	9	9	0	1	9	0	8	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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	0	0	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
males (cont...)																									

ALIMENTARY SYSTEM

Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Inflammation																						1		
Gallbladder	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+
Liver	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Amyloid Deposition																								
Basophilic Focus																				X	X			
Clear Cell Focus																				X				X
Eosinophilic Focus					X	X				X	X		X	X										
Fatty Change					2	1				X	2	2			1	2	2	2		X				
Hematopoietic Cell Proliferation															1									
Inflammation, Chronic Active	1	1	1	1	1				1	1	1				1	1		1	1	1			1	1

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

x .. Lesion present

l .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

Page 2

TDMS No. 99023 - 04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
beta-Myrcene
CAS Number: 123-35-3

Date Report Reqsted: 07/26/2007
Time Report Reqsted: 09:29:40
First Dose M/F: 04/11/02 / 04/10/02
Lab: BAT

		DAY ON TEST																								males (cont...)			
		0 7 2 9	0 7 2 7	0 7 2 9	0 7 2 8	0 7 2 8	0 5 6 7	0 7 2 8	0 7 2 9	0 7 2 9	0 6 5 7	0 6 5 9	0 4 6 8	0 7 3 0	0 7 2 9	0 5 7 9	0 7 2 9	0 7 2 9	0 7 6 1	0 7 2 9	0 7 3 0	0 7 2 8	0 7 3 0	0 7 3 0					
B6C3F1 MICE MALE 0 G/KG	ANIMAL ID	0 0 0 0 1	0 0 0 0 2	0 0 0 0 3	0 0 0 0 4	0 0 0 0 5	0 0 0 0 6	0 0 0 0 7	0 0 0 0 8	0 0 0 0 9	0 0 0 0 0	0 0 0 0 1	0 0 0 0 1	0 0 0 0 2	0 0 0 0 3	0 0 0 0 4	0 0 0 0 5	0 0 0 0 6	0 0 0 0 7	0 0 0 0 8	0 0 0 0 9	0 0 0 0 0	0 0 0 0 1	0 0 0 0 2	0 0 0 0 3		0 0 0 0 4	0 0 0 0 5	
Mixed Cell Focus					X			X	X		X									X	X								
Necrosis			2									3		1	4					1				1					
Pigmentation, Ceroid																													
Pigmentation, Hemosiderin			2																										
Tension Lipidosis													1											1					
Thrombosis																		2											
Vacuolization Cytoplasmic										2								2											
Hepatocyte, Hypertrophy			1																										
Mesentery																													
Fat, Necrosis															+					+									
															1					3									
Pancreas			+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		
Atrophy											1																		
Cytoplasmic Alteration																													
Salivary Glands			+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		
Inflammation																													
Stomach, Forestomach			+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		
Inflammation					1		1				2	2							2		2								
Mineralization																													
Necrosis																													
Ulcer											2	3								2									
Epithelium, Hyperplasia				1	1		3		1		2	3							2		3								
Stomach, Glandular			+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		
Dysplasia																			2										
Hyperplasia																			2					2					

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

x .. Lesion present

l .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

Page 3

TDMS No. 99023 - 04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 07/26/2007
Time Report Requested: 09:29:40
First Dose M/F: 04/11/02 / 04/10/02
Lab: BAT

B6C3F1 MICE MALE 0 G/KG	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	5	7	7	7	6	6	4	7	7	5	7	7	7	6	7	7	7	7	7				
		2	2	2	2	2	6	2	2	2	0	5	6	3	2	9	2	2	2	3	1	2	3	2	3	3			
	9	7	9	8	8	7	8	9	9	7	9	8	0	9	9	9	9	9	9	0	1	9	0	8	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		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
0		0	0	0	0	0	0	0	0	0	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...)																											
Inflammation		1																											
Muscularis, Hypertrophy																													
Tongue																													
Tooth																													
Dysplasia				+	+			+	+			+	+	+	+	+	+	+	+	+	+	+	+	+					
Gingiva, Inflammation				X	X			X	X			X		X	X	X	X	X	X	X	X	X	X	X					
Peridontal Tissue, Inflammation				2																									
Pulp, Inflammation																													

CARDIOVASCULAR SYSTEM

Heart	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Cardiomyopathy		1		1	1		1			1						2			1					
Inflammation																								
Mineralization														2										
Atrium, Thrombosis														1										
Coronary Artery, Inflammation																							1	

ENDOCRINE SYSTEM

Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Amyloid Deposition																								
Hypertrophy																				2				
Subcapsular, Hyperplasia	2	1	1	2	2	1	2	3	1	2	1	1	2	2		2	1	1	1	1	1	2	2	2

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

x .. Lesion present

l .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

Page 4

TDMS No. 99023 - 04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
beta-Myrcene
CAS Number: 123-35-3

Date Report Reqsted: 07/26/2007
Time Report Reqsted: 09:29:40
First Dose M/F: 04/11/02 / 04/10/02
Lab: BAT

B6C3F1 MICE MALE 0 G/KG	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		
		7	7	7	7	7	5	7	7	7	6	6	4	7	7	5	7	7	7	7	6	7	7	7		
		2	2	2	2	2	6	2	2	2	0	5	6	3	2	9	2	2	2	3	1	2	3	3		
		9	7	9	8	8	7	8	9	9	7	9	8	0	9	9	9	9	9	0	1	9	0	8	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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
		0	0	0	0	0	0	0	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	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...)	

Preputial Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Ectasia											2															
Inflammation															2										3	
Prostate	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Inflammation	1							1		1			1		1	1	1	1	1		1				1	1
Seminal Vesicle	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Testes	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Germinal Epithelium, Degeneration		1						1					2													1

HEMATOPOIETIC SYSTEM

Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Atrophy																2										
Myelofibrosis																										
Myeloid Cell, Hyperplasia																										
Lymph Node																										
Lymph Node, Mandibular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Atrophy																	3									
Infiltration Cellular, Plasma Cell																										
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

x .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

Page 6

TDMS No. 99023 - 04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 07/26/2007
Time Report Requested: 09:29:40
First Dose M/F: 04/11/02 / 04/10/02
Lab: BAT

B6C3F1 MICE MALE 0 G/KG	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	5	7	7	7	6	6	4	7	7	5	7	7	7	7	6	7	7	7	7
		2	2	2	2	2	6	2	2	2	0	5	6	3	2	9	2	2	2	3	1	2	3	2	3
		9	7	9	8	8	7	8	9	9	7	9	8	0	9	9	9	9	9	0	1	9	0	8	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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	0	0	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

males
(cont...)

Amyloid Deposition
Atrophy
Inflammation
Pigmentation, Hemosiderin

2 2 4 1 1 1

Spleen
Amyloid Deposition
Hematopoietic Cell Proliferation
Hyperplasia, Lymphoid
Pigmentation, Hemosiderin
Lymphoid Follicle, Atrophy

+ + + + + + + + + + + + + A + + + + + + + + +
2 2 2 1 1 1 1 1 3 3 1 2 1 3 2 2 1 2 1 3
2
2 2 1 2 2

Thymus
Amyloid Deposition
Atrophy

+ + + + + M + + + M M + + + + + + + + + + + + +
3 4 1 2 4 1 2 2 3 3 3 3 2 2 3 3 3 1 2 1 1 3

INTEGUMENTARY SYSTEM

Mammary Gland

M M M M + M

Skin
Inflammation
Ulcer
Hair Follicle, Inflammation

+
2
3
2

MUSCULOSKELETAL SYSTEM

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
+ .. Tissue examined microscopically
x .. Lesion present
I .. Insufficient tissue
M .. Missing tissue
A .. Autolysis precludes evaluation
BLANK .. Not examined microscopically
1-4 .. Lesion qualified as:
1) Minimal 3) Moderate
2) Mild 4) Marked
Page 7

TDMS No. 99023 - 04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
beta-Myrcene
CAS Number: 123-35-3

Date Report Reqsted: 07/26/2007
Time Report Reqsted: 09:29:40
First Dose M/F: 04/11/02 / 04/10/02
Lab: BAT

| | |
|----------------------------|-------------|
| B6C3F1 MICE MALE
0 G/KG | DAY ON TEST | 0 |
| | | 7 | 7 | 7 | 7 | 7 | 5 | 7 | 7 | 7 | 6 | 6 | 4 | 7 | 7 | 5 | 7 | 7 | 7 | 7 | 6 | 7 | 7 | 7 | 7 | 7 |
| | | 2 | 2 | 2 | 2 | 2 | 6 | 2 | 2 | 2 | 0 | 5 | 6 | 3 | 2 | 9 | 2 | 2 | 2 | 3 | 1 | 2 | 3 | 2 | 3 | 3 |
| | | 9 | 7 | 9 | 8 | 8 | 7 | 8 | 9 | 9 | 7 | 9 | 8 | 0 | 9 | 9 | 9 | 9 | 9 | 0 | 1 | 9 | 0 | 8 | 0 | 0 |
| | |
| | ANIMAL ID | 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...)

Bone +
Joint, Arthrosis

NERVOUS SYSTEM

Brain +

RESPIRATORY SYSTEM

Lung +
Inflammation, Chronic Active 2
Alveolar Epithelium, Hyperplasia 1 1
Alveolus, Infiltration Cellular, Histiocyte 4 2
Bronchiole, Hyperplasia 1
Nose +
Inflammation 2
Polyp, Inflammatory 3 2
Olfactory Epithelium, Degeneration 1 1 2
Olfactory Epithelium, Metaplasia, 3 2
Respiratory
Respiratory Epithelium, Hyperplasia
Trachea +

SPECIAL SENSES SYSTEM

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
+ .. Tissue examined microscopically
x .. Lesion present
I .. Insufficient tissue

M .. Missing tissue
A .. Autolysis precludes evaluation
BLANK .. Not examined microscopically
Page 8

1-4 .. Lesion qualified as:
1) Minimal 3) Moderate
2) Mild 4) Marked

TDMS No. 99023 - 04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 07/26/2007
Time Report Requested: 09:29:40
First Dose M/F: 04/11/02 / 04/10/02
Lab: BAT

| | |
|--------------------------------|-------------|
| B6C3F1 MICE MALE

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

ALIMENTARY SYSTEM

| | |
|----------------------------------|--------|
| Esophagus | + | 50 |
| Inflammation | | | | | | 1 | | | | | | | | | | | | | | | | | | | 2 1.0 |
| Gallbladder | + | 49 |
| Intestine Large, Cecum | + | 49 |
| Intestine Large, Colon | + | 50 |
| Intestine Large, Rectum | + | 50 |
| Intestine Small, Duodenum | + | 49 |
| Intestine Small, Ileum | + | 49 |
| Intestine Small, Jejunum | + | 49 |
| Liver | + | 50 |
| Amyloid Deposition | | | | | | 3 | | | | | | | | | | | | | | | | | | | 1 3.0 |
| Basophilic Focus | | | | | | | | | | | | | X | | | | | | | | | | | | 3 |
| Clear Cell Focus | | | | | | | | | | | | | X | | | | | | | | | | | | 15 |
| Eosinophilic Focus | | X | | | | | | | | | | | X | X | X | X | | | X | X | | | | | 16 |
| Fatty Change | 2 | 1 | | X | | 2 | | 2 | 2 | | 3 | | 1 | 1 | 2 | 3 | X | | 1 | 1 | | | X | 2 | 1 |
| Hematopoietic Cell Proliferation | | | | | | | 2 | | | | 1 | | | | | | | | | | | | | | 3 1.3 |
| Inflammation, Chronic Active | | | | | | 1 | | | | 1 | | | | | 1 | | 1 | 1 | | 1 | 1 | 1 | | 2 | 1 |
| | 26 1.0 |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

x .. Lesion present

l .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

Page 10

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

TDMS No. 99023 - 04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 07/26/2007
Time Report Requested: 09:29:40
First Dose M/F: 04/11/02 / 04/10/02
Lab: BAT

| B6C3F1 MICE MALE
0 G/KG | DAY ON TEST | 0
7
3
0 | 0
7
2
9 | 0
6
2
1 | 0
5
6
0 | 0
6
4
5 | 0
7
2
9 | 0
6
7
3 | 0
5
4
6 | 0
7
2
9 | 0
6
4
4 | 0
5
2
9 | 0
7
4
9 | 0
6
2
9 | 0
7
3
0 | 0
7
3
0 | 0
7
2
9 | 0
6
4
8 | 0
7
3
6 | 0
7
3
0 | 0
7
3
0 | 0
7
6
9 | 0
7
2
9 | 0
7
3
0 | 0
7
3
0 | 0
6
7 | | |
|------------------------------|---|-----------------------|--------|
| | ANIMAL ID | 0
0
0
2
6 | 0
0
0
2
7 | 0
0
0
2
8 | 0
0
0
2
9 | 0
0
0
3
0 | 0
0
0
3
1 | 0
0
0
3
2 | 0
0
0
3
3 | 0
0
0
3
3 | 0
0
0
3
4 | 0
0
0
3
5 | 0
0
0
3
6 | 0
0
0
3
7 | 0
0
0
3
8 | 0
0
0
3
9 | 0
0
0
4
0 | 0
0
0
4
1 | 0
0
0
4
2 | 0
0
0
4
3 | 0
0
0
4
4 | 0
0
0
4
5 | 0
0
0
4
6 | 0
0
0
4
7 | 0
0
0
4
8 | 0
0
0
4
9 | 0
0
0
5
0 | |
| | * TOTALS | |
| | Adrenal Medulla
Hyperplasia | + | 50 | 1 1.0 |
| | Islets, Pancreatic
Hyperplasia | + | 50 | 38 1.2 |
| | Parathyroid Gland | + | + | M | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | 45 | |
| | Pituitary Gland
Pars Distalis, Hyperplasia | + | 49 | 1 1.0 |
| | Thyroid Gland
Mineralization | + | 50 | 1 1.0 |
| | C-cell, Hyperplasia | 1 3.0 |
| | Follicle, Cyst | 1 1.0 |
| Follicle, Degeneration | | | 1 1.0 | |
| Follicular Cell, Hypertrophy | | | 1 2.0 | |

GENERAL BODY SYSTEM
NONE

GENITAL SYSTEM

| | |
|-----------------|-------|
| Epididymis | + | 50 |
| Cyst | 1 1.0 |
| Fibrosis | 1 1.0 |
| Granuloma Sperm | | 1 1.0 |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

x .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

Page 13

TDMS No. 99023 - 04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 07/26/2007
Time Report Requested: 09:29:40
First Dose M/F: 04/11/02 / 04/10/02
Lab: BAT

| | |
|--------------------------------|-------------|
| B6C3F1 MICE MALE

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

| | |
|-----------------------------------|-----|
| Preputial Gland | + | 50 |
| Ectasia | 4 |
| Inflammation | 2.3 |
| | | | | | 3 | | | | | 2 | | | | | 4 | | | | | | | | | | | 5 |
| Prostate | + | 50 |
| Inflammation | 1 | | 1 | 1 | 1 | | 3 | 1 | | | | | | | 1 | 1 | 1 | 1 | | 1 | 1 | | | | 1 | 25 |
| | 1.1 |
| Seminal Vesicle | + | 50 |
| Testes | + | 50 |
| Germinal Epithelium, Degeneration | | | | | | | | | | | | | | | | 1 | | | | | | | | | | 5 |
| | 1.2 |

HEMATOPOIETIC SYSTEM

| | |
|------------------------------------|-----|
| Bone Marrow | + | 50 |
| Atrophy | 1 |
| Myelofibrosis | 1 |
| Myeloid Cell, Hyperplasia | 1 |
| | 2.0 |
| | 1 |
| | 1.0 |
| | 2.0 |
| Lymph Node | | | + | | 2 |
| Lymph Node, Mandibular | + | + | M | + | 49 |
| Atrophy | 3 |
| Infiltration Cellular, Plasma Cell | | 3.0 |
| | 1 |
| | 3.0 |
| Lymph Node, Mesenteric | + | 49 |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

x .. Lesion present

l .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

Page 14

TDMS No. 99023 - 04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 07/26/2007
Time Report Requested: 09:29:40
First Dose M/F: 04/11/02 / 04/10/02
Lab: BAT

| | |
|----------------------------|-------------|
| B6C3F1 MICE MALE
0 G/KG | DAY ON TEST | 0 | |
| | | 7 | 7 | 6 | 5 | 6 | 7 | 6 | 5 | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 6 | 7 | 7 | 7 | 6 | 7 | 7 | 6 | |
| | | 3 | 2 | 2 | 6 | 4 | 2 | 7 | 4 | 2 | 4 | 2 | 2 | 3 | 3 | 3 | 2 | 2 | 6 | 3 | 3 | 3 | 2 | 3 | 3 | 0 |
| | | 0 | 9 | 1 | 0 | 5 | 9 | 3 | 6 | 9 | 4 | 9 | 9 | 0 | 0 | 0 | 9 | 8 | 6 | 0 | 0 | 0 | 9 | 0 | 0 | 7 |
| | |
| | ANIMAL ID | 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 |
| * TOTALS | |

| | | |
|----------------------------------|----|-----|
| Amyloid Deposition | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | 1 | 1.0 |
| Atrophy | | | | 4 | | | | 1 | | | | | | 1 | | | 1 | 3 | | | | 2 | | | | | 12 | 1.9 |
| Inflammation | | | | | | | | | | 2 | | | | | | | | | | | | | | | | | 1 | 2.0 |
| Pigmentation, Hemosiderin | | | | | | | | | | 2 | | | | | | | | | | | | | | | | | 1 | 2.0 |
| <hr/> | | |
| Spleen | + | 49 | |
| Amyloid Deposition | | | | | | | | 2 | | | | | | | | | | | | | | | | | | | 1 | 2.0 |
| Hematopoietic Cell Proliferation | 2 | 2 | | | 4 | | | 3 | | 1 | 4 | 1 | | 1 | | 2 | | 1 | 2 | | 1 | | | | 1 | | 33 | 1.8 |
| Hyperplasia, Lymphoid | 1 | 2.0 |
| Pigmentation, Hemosiderin | 1 | | | | | 1 | 1.0 |
| Lymphoid Follicle, Atrophy | | | | | | | | | | | 4 | | | | | | | | | | | 2 | | | | | 7 | 2.1 |
| <hr/> | | |
| Thymus | + | 47 | |
| Amyloid Deposition | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | 1 | 1.0 |
| Atrophy | 1 | 1 | 3 | 4 | 2 | 1 | 4 | 4 | 2 | 4 | 1 | 3 | 1 | 3 | 3 | 2 | 4 | | 3 | 1 | 1 | 4 | 1 | | 4 | | 45 | 2.4 |

INTEGUMENTARY SYSTEM

| | | |
|-----------------------------|----|-----|
| Mammary Gland | M | 1 | |
| Skin | + | 50 | |
| Inflammation | 1 | 2.0 |
| Ulcer | 1 | 3.0 |
| Hair Follicle, Inflammation | | 1 | 2.0 |

MUSCULOSKELETAL SYSTEM

TDMS No. 99023 - 04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 07/26/2007
Time Report Requested: 09:29:40
First Dose M/F: 04/11/02 / 04/10/02
Lab: BAT

| | | |
|----------------------------|-------------|----------|
| B6C3F1 MICE MALE
0 G/KG | DAY ON TEST | 0 | |
| | | 7 | 7 | 6 | 5 | 6 | 7 | 6 | 5 | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 6 | 7 | 7 | 7 | 6 | 7 | 7 | 6 | 6 | |
| | | 3 | 2 | 2 | 6 | 4 | 2 | 7 | 4 | 2 | 4 | 2 | 2 | 3 | 3 | 3 | 2 | 2 | 6 | 3 | 3 | 3 | 2 | 3 | 3 | 0 | 0 |
| | | 0 | 9 | 1 | 0 | 5 | 9 | 3 | 6 | 9 | 4 | 9 | 9 | 0 | 0 | 0 | 9 | 8 | 6 | 0 | 0 | 0 | 9 | 0 | 0 | 7 | 7 |
| | | |
| | ANIMAL ID | 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 | * TOTALS |

| | |
|------------------|-------|
| Bone | + | 50 |
| Joint, Arthrosis | | | | | | | | | | 4 | | | | | | | | | | | | | | | | | 1 4.0 |

NERVOUS SYSTEM

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

RESPIRATORY SYSTEM

| | |
|---|-------|
| Lung | + | 50 |
| Inflammation, Chronic Active | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | 2 1.5 |
| Alveolar Epithelium, Hyperplasia | | | | | | | | | | | | | | | 1 | | | | | 3 | | | | | | | 4 1.5 |
| Alveolus, Infiltration Cellular, Histocyte | | | | | | | | | | | | | | 1 | | | | | | | | 3 | | | | | 4 2.5 |
| Bronchiole, Hyperplasia | 1 1.0 |
| Nose | + | 50 |
| Inflammation | | | | 3 | | 2 | | 3 2.3 |
| Polyp, Inflammatory | | 1 | | | | | | | | | 2 | | | | | 3 | | | | | | | | | 3 | | 6 2.3 |
| Olfactory Epithelium, Degeneration | | | | | | | | 1 | | | | | | | | | | | | | | | 1 | | | | 5 1.2 |
| Olfactory Epithelium, Metaplasia, Respiratory | | | | 2 | | | | | | | 2 | | | | | 3 | 2 | | | | | | | 2 | | | 7 2.3 |
| Respiratory Epithelium, Hyperplasia | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | 1 1.0 |
| Trachea | + | 50 |

SPECIAL SENSES SYSTEM

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

x .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

Page 16

TDMS No. 99023 - 04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 07/26/2007
Time Report Requested: 09:29:40
First Dose M/F: 04/11/02 / 04/10/02
Lab: BAT

| B6C3F1 MICE MALE
0 G/KG | DAY ON TEST | 0 | |
|---|-------------|--------|----------|
| | | 7 | 7 | 6 | 5 | 6 | 7 | 6 | 5 | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 6 | 7 | 7 | 7 | 6 | 7 | 7 | 6 | | |
| | | 3 | 2 | 2 | 6 | 4 | 2 | 7 | 4 | 2 | 4 | 2 | 2 | 3 | 3 | 3 | 2 | 2 | 6 | 3 | 3 | 3 | 2 | 3 | 3 | 0 | |
| | | 0 | 9 | 1 | 0 | 5 | 9 | 3 | 6 | 9 | 4 | 9 | 9 | 0 | 0 | 0 | 9 | 8 | 6 | 0 | 0 | 0 | 9 | 0 | 0 | 7 | |
| B6C3F1 MICE MALE
0 G/KG | ANIMAL ID | 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 | 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 |
| Eye | | + | 50 | |
| Optic Nerve, Fibrosis | | 1 2.0 | |
| Harderian Gland | | + | 50 | |
| Fibrosis | | 1 2.0 | |
| Hyperplasia | | 1 2.0 | |
| URINARY SYSTEM | | | |
| Kidney | | + | 50 | |
| Infarct | | 1 | | | | 2 | 1 | | | | | | | | | | | | | | | | | 4 | | 6 2.2 | |
| Mineralization | | 1 | 1 | | 1 | | | | 1 | 1 | 1 | | 1 | 1 | 1 | 1 | | 1 | 1 | 1 | 1 | | | 1 | 1 | 31 1.0 | |
| Nephropathy | | 1 | 1 | | 1 | 1 | 1 | | 4 | 1 | | 1 | 1 | 1 | 1 | 1 | 4 | 2 | 2 | 1 | 1 | | 2 | 1 | 1 | 44 1.4 | |
| Cortex, Cyst | | | | | | | | | | | | 1 | | | | | | | | | | | | | | 6 1.0 | |
| Cortex, Inflammation | | | | | | | | 4 | | | | | | | | | | | | | | | | | | 1 4.0 | |
| Cortex, Metaplasia, Osseous | | | | | | | | | | | | | | | | | | | | 1 | | | | | | 1 1.0 | |
| Papilla, Inflammation | | | | | | | | | | 3 | | | | | | | | | | | | | | | | 1 3.0 | |
| Papilla, Necrosis | | | | | | | | | | 4 | | | | | | | | | | | | | | | | 1 4.0 | |
| Pelvis, Inflammation | | | | | | | | | | 2 | | | | | | | | | | | | | | | | 1 2.0 | |
| Renal Tubule, Hyperplasia | | 1 | | | | 1 | | | | | | 1 | 1 | | | 2 | | | | 1 | | | | 1 | | 14 1.3 | |
| Renal Tubule, Pigmentation, Hemosiderin | | 1 2.0 | |
| Renal Tubule, Vacuolization Cytoplasmic | | 2 | 1 | | | 1 | | | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 1 | | 1 | 1 | 1 | 1 | 1 | | 1 | 2 | 39 1.2 |
| Urinary Bladder | | + | 50 | |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

x .. Lesion present

l .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

Page 17

TDMS No. 99023 - 04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 07/26/2007
Time Report Requested: 09:29:40
First Dose M/F: 04/11/02 / 04/10/02
Lab: BAT

| | |
|-----------------------------------|-------------|
| B6C3F1 MICE MALE

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

ALIMENTARY SYSTEM

| |
|------------------------------|
| Esophagus | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 2 | + | + | + | + | + | + |
| Inflammation | | | | | | | | | | | | | | | | | | | 2 | 1 | | | | | |
| Muscularis, Degeneration | | | | | | | | | | | | | | | | | | | 1 | | | | | | |
| Gallbladder | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Large, Cecum | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + |
| Lymphoid Tissue, Hyperplasia | |
| Intestine Large, Colon | + |
| Intestine Large, Rectum | + |
| Intestine Small, Duodenum | A | + | A | + | + | + |
| Intestine Small, Ileum | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + |
| Intestine Small, Jejunum | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + |
| Liver | + |
| Angiectasis |
| Basophilic Focus |
| Clear Cell Focus | | | X | | | | X | | | | X | | | X | | | | X | X | X | X | | | X | X |
| Eosinophilic Focus | | | X | | | X | X | X | X | X | X | X | | X | | X | X | X | X | X | | | X | | X |
| Fatty Change | 1 | | | 2 | | | 1 | | 1 | 2 | | | | | | | | | 2 | 2 | | | 1 | | 2 |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

x .. Lesion present

l .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

Page 18

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

TDMS No. 99023 - 04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
beta-Myrcene
CAS Number: 123-35-3

Date Report Reqsted: 07/26/2007
Time Report Reqsted: 09:29:40
First Dose M/F: 04/11/02 / 04/10/02
Lab: BAT

| | | |
|-----------------------------------|-------------|-----------------|
| | DAY ON TEST | 0 | 0 | |
| | | 5 | 6 | 7 | 6 | 4 | 7 | 5 | 7 | 7 | 7 | 6 | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 6 | 6 | 7 | 7 | 7 | |
| | | 3 | 8 | 3 | 3 | 3 | 3 | 8 | 2 | 2 | 3 | 7 | 2 | 2 | 2 | 2 | 3 | 2 | 2 | 2 | 3 | 5 | 0 | 3 | 3 | 3 |
| | | 3 | 4 | 0 | 4 | 6 | 0 | 2 | 9 | 8 | 0 | 3 | 8 | 8 | 9 | 8 | 0 | 8 | 9 | 9 | 0 | 1 | 0 | 0 | 0 | 0 |
| B6C3F1 MICE MALE

0.25 G/KG | ANIMAL ID | 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...) | |

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|---------------------------------|---|---|---|---|--|--|--|--|---|---|---|---|--|---|---|---|---|---|---|---|---|---|---|--|---|
| Tooth | + | + | + | + | | | | | + | + | + | + | | + | + | + | + | + | + | + | + | + | + | | + |
| Dysplasia | X | X | X | | | | | | X | X | X | X | | X | X | X | X | X | X | X | X | X | | | X |
| Peridontal Tissue, Inflammation | | | | | | | | | | | | | | | | | | | | | | | | | |
| Pulp, Inflammation | | | | | | | | | | | | | | | | | | | | | | | | | |

CARDIOVASCULAR SYSTEM

| |
|--------------------------|
| Blood Vessel |
| Mineralization |
| Heart | + |
| Cardiomyopathy |
| Fibrosis |
| Inflammation |
| Mineralization |
| Necrosis |
| Vein, Venule, Thrombosis | |

ENDOCRINE SYSTEM

| | | |
|-------------------------------|-------|--|
| Adrenal Cortex | + | + | |
| Hypertrophy | | | 1 | | | | | | | 1 | | | | | | | | | | | | | | | | |
| Subcapsular, Hyperplasia | 1 | 2 | 2 | 1 | 1 | 1 | 1 | 2 | 1 | 1 | 2 | 1 | 1 | 2 | 4 | 3 | 2 | 2 | 2 | 2 | | 1 | | 2 | 1 | |
| Zona Fasciculata, Atrophy | | |
| Zona Fasciculata, Hyperplasia | | |
| | <hr/> | |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

x .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

Page 20

Date Report Requested: 07/26/2007
Time Report Requested: 09:29:40
First Dose M/F: 04/11/02 / 04/10/02
Lab: BAT

TDMS No. 99023 - 04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 07/26/2007
Time Report Requested: 09:29:40
First Dose M/F: 04/11/02 / 04/10/02
Lab: BAT

| | | | |
|-------------------------------|-------------|--------------------|---|
| B6C3F1 MICE MALE
0.25 G/KG | DAY ON TEST | 0 | males
(cont...) | |
| | | 5 | 6 | 7 | 6 | 4 | 7 | 5 | 7 | 7 | 6 | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 6 | 6 | 7 | 7 | 7 | | |
| | | 3 | 8 | 3 | 3 | 3 | 3 | 8 | 2 | 2 | 3 | 7 | 2 | 2 | 2 | 3 | 2 | 2 | 2 | 3 | 5 | 0 | 3 | 3 | | 3 |
| | | 3 | 4 | 0 | 4 | 6 | 0 | 2 | 9 | 8 | 0 | 3 | 8 | 8 | 9 | 8 | 0 | 8 | 9 | 9 | 0 | 1 | 0 | 0 | | 0 |
| | | | |
| ANIMAL ID | 0 | 0 | males
(cont...) | |
| | 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 |

| |
|-----------------------------------|
| Prostate | + |
| Hyperplasia | 2 | | | | | |
| Inflammation | 1 | | | | | | | 1 | 1 | | | | | 1 | | | | | | | 1 | 3 | | | 1 | |
| Seminal Vesicle | + |
| Testes | + |
| Germinal Epithelium, Degeneration | |

HEMATOPOIETIC SYSTEM

| |
|------------------------------------|
| Bone Marrow | + |
| Necrosis, Focal |
| Pigmentation |
| Myeloid Cell, Hyperplasia | 2 | | | | |
| Lymph Node, Mandibular | + |
| Atrophy | | | | 1 | | | | 1 | | | | | | | | | | | | | 1 | | | | |
| Hyperplasia, Lymphoid | | | | | | 2 | | | | | | | | | | | | | | | | | | | |
| Infiltration Cellular, Plasma Cell | | | | | | | | | | 2 | | | | | | | | | | | | | | | |
| Lymph Node, Mesenteric | + |
| Atrophy | 2 | 1 | | | | 1 | 1 | | 1 | | | | 3 | | | | 2 | | | | 2 | | | | |
| Hyperplasia, Lymphoid | 1 | |
| Infiltration Cellular, Plasma Cell | | | | 2 | |
| Spleen | + |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

x .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

Page 22

TDMS No. 99023 - 04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
beta-Myrcene
CAS Number: 123-35-3

Date Report Reqsted: 07/26/2007
Time Report Reqsted: 09:29:40
First Dose M/F: 04/11/02 / 04/10/02
Lab: BAT

| | | |
|-------------------------------|-------------|-----------------------|
| B6C3F1 MICE MALE
0.25 G/KG | DAY ON TEST | 0
5
3
3 | 0
6
8
4 | 0
7
3
0 | 0
6
3
4 | 0
4
3
6 | 0
7
3
0 | 0
5
8
2 | 0
7
2
9 | 0
7
2
8 | 0
7
3
0 | 0
6
7
3 | 0
7
2
8 | 0
6
2
8 | 0
7
2
9 | 0
7
3
8 | 0
7
2
8 | 0
7
2
9 | 0
7
2
9 | 0
7
3
0 | 0
6
2
1 | 0
6
0
0 | 0
7
3
0 | 0
7
3
0 | 0
7
3
0 | |
| | ANIMAL ID | 0
0
0
5
1 | 0
0
0
5
2 | 0
0
0
5
3 | 0
0
0
5
4 | 0
0
0
5
5 | 0
0
0
5
6 | 0
0
0
5
7 | 0
0
0
5
8 | 0
0
0
5
9 | 0
0
0
6
0 | 0
0
0
6
1 | 0
0
0
6
2 | 0
0
0
6
3 | 0
0
0
6
4 | 0
0
0
6
5 | 0
0
0
6
6 | 0
0
0
6
6 | 0
0
0
6
6 | 0
0
0
6
6 | 0
0
0
7
0 | 0
0
0
7
1 | 0
0
0
7
2 | 0
0
0
7
3 | 0
0
0
7
4 | 0
0
0
7
5 |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | | | | | | | | | | | | | | | | | | | </ | | | | | | |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

x .. Lesion present

l .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

Page 23

TDMS No. 99023 - 04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
beta-Myrcene
CAS Number: 123-35-3

Date Report Reqsted: 07/26/2007
Time Report Reqsted: 09:29:40
First Dose M/F: 04/11/02 / 04/10/02
Lab: BAT

| | | |
|------------------|-------------|--------------------|
| | DAY ON TEST | 0 | | |
| | | 5 | 6 | 7 | 6 | 4 | 7 | 5 | 7 | 7 | 7 | 6 | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 6 | 6 | 7 | 7 | | 7 |
| | | 3 | 8 | 3 | 3 | 3 | 3 | 8 | 2 | 2 | 3 | 7 | 2 | 2 | 2 | 3 | 2 | 2 | 2 | 3 | 5 | 0 | 3 | 3 | | 3 |
| | | 3 | 4 | 0 | 4 | 6 | 0 | 2 | 9 | 8 | 0 | 3 | 8 | 8 | 9 | 8 | 0 | 8 | 9 | 9 | 0 | 1 | 0 | 0 | | 0 |
| B6C3F1 MICE MALE | ANIMAL ID | 0 | males
(cont...) |
| | | 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 | |
| 0.25 G/KG | | 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 | + |
| Inflammation, Chronic Active |
| Alveolar Epithelium, Hyperplasia | 1 | | 1 | | | | | | | | | | 3 | | | | | | | 1 | | | | | |
| Alveolus, Infiltration Cellular, Histiocyte | 1 | | 1 | | | | | | | | | 2 | 2 | | | | 4 | | 1 | 2 | | | | | |
| Arteriole, Degeneration | 1 | | |
| Bronchiole, Hyperplasia | 2 | | | | | |
| Glands, Inflammation | 2 | |
| Nose | + |
| Inflammation |
| Glands, Dilatation | | | | | | | 2 | | | | | | | 2 | | | | | | 1 | | | | | |
| Olfactory Epithelium, Degeneration | | | | | | | | | | | | 2 | | 1 | 1 | 1 | | | | 1 | | | | | |
| Olfactory Epithelium, Metaplasia, Respiratory | |
| Respiratory Epithelium, Hyperplasia |
| Trachea | + |

SPECIAL SENSES SYSTEM

| |
|-------------------------------|
| Eye | + |
| Cornea, Hyperplasia, Squamous | |
| Cornea, Inflammation |
| Lens, Cataract |
| Optic Nerve, Fibrosis |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

x .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

Page 24

TDMS No. 99023 - 04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 07/26/2007
Time Report Requested: 09:29:40
First Dose M/F: 04/11/02 / 04/10/02
Lab: BAT

| | | | |
|-------------------------------|-------------|-----------------------|--|
| B6C3F1 MICE MALE
0.25 G/KG | DAY ON TEST | 0
5
3
3 | 0
6
8
4 | 0
7
3
0 | 0
6
3
4 | 0
4
3
6 | 0
7
3
0 | 0
5
8
2 | 0
7
2
9 | 0
7
2
8 | 0
6
7
3 | 0
7
2
8 | 0
6
7
8 | 0
7
2
9 | 0
6
7
8 | 0
7
2
0 | 0
7
2
8 | 0
7
2
9 | 0
7
2
9 | 0
6
5
0 | 0
6
0
0 | 0
7
3
0 | 0
7
3
0 | 0
7
3
0 | | | |
| | ANIMAL ID | 0
0
0
5
1 | 0
0
0
5
2 | 0
0
0
5
3 | 0
0
0
5
4 | 0
0
0
5
5 | 0
0
0
5
6 | 0
0
0
5
7 | 0
0
0
5
8 | 0
0
0
5
9 | 0
0
0
6
0 | 0
0
0
6
1 | 0
0
0
6
2 | 0
0
0
6
3 | 0
0
0
6
4 | 0
0
0
6
5 | 0
0
0
6
6 | 0
0
0
6
7 | 0
0
0
6
8 | 0
0
0
6
9 | 0
0
0
7
0 | 0
0
0
7
1 | 0
0
0
7
2 | 0
0
0
7
3 | 0
0
0
7
4 | 0
0
0
7
5 | |
| | | | |
| | | | |
| | | | |
| Retina, Degeneration | | 2 | | | | | | | | | | 1 | | | | | | | | | | | | | | | |
| Harderian Gland | | + | |
| Fibrosis | | | |
| Hyperplasia | | 4 | | | | | | | | | | 2 | | | | | | | | | | | | | | | |

URINARY SYSTEM

| | |
|---|---|
| Kidney | + |
| Infarct | | | | | | | | | 2 | | | | | | 3 | | | | | | | | | | | |
| Mineralization | 1 | 1 | 1 | 1 | | | 1 | 1 | 1 | | 1 | | | 1 | 1 | 1 | | 1 | 1 | | 1 | | | | 1 | |
| Nephropathy | 3 | 1 | 1 | 2 | 1 | 3 | | 1 | 1 | 1 | 2 | 2 | 1 | 1 | 2 | 2 | | 1 | 1 | 2 | | 1 | 1 | | 1 | |
| Cortex, Cyst | | | | | | | | | | | | | | 1 | | | | 2 | | | | | | | | |
| Cortex, Inflammation | | | | | | | | | | | 3 | | | | | | | | | | 3 | | | | | |
| Papilla, Inflammation | | | | | | | | | | 2 | | | | | | | | | | | 3 | | | | | |
| Papilla, Necrosis | | | | | | | | | | | | | | 1 | | | | | | | | | | | | |
| Renal Tubule, Hyperplasia | | | 2 | | | | | | | 1 | | 1 | | | | 1 | | | | 1 | | | | 1 | | |
| Renal Tubule, Pigmentation, Hemosiderin | | | | | | | | | | | | | | | | | | | | 4 | | | | | | |
| Renal Tubule, Vacuolization Cytoplasmic | | 1 | 1 | 2 | 1 | | 1 | 2 | 2 | 1 | 2 | 1 | 1 | 2 | 1 | 1 | | 1 | 1 | 1 | | 1 | 1 | | 1 | |
| Urinary Bladder | + |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

x .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

Page 25

TDMS No. 99023 - 04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 07/26/2007
Time Report Requested: 09:29:40
First Dose M/F: 04/11/02 / 04/10/02
Lab: BAT

| | |
|-----------------------------------|-------------|
| B6C3F1 MICE MALE

0.25 G/KG | DAY ON TEST | 0 | |
| | | 6 | 6 | 7 | 7 | 7 | 7 | 5 | 7 | 7 | 7 | 7 | 5 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 6 | 7 | 7 | 7 | 7 | |
| | | 3 | 7 | 0 | 2 | 2 | 2 | 0 | 2 | 2 | 2 | 3 | 0 | 3 | 2 | 2 | 2 | 2 | 2 | 3 | 1 | 2 | 2 | 3 | 3 | |
| | | 5 | 3 | 6 | 9 | 9 | 9 | 3 | 8 | 8 | 9 | 0 | 3 | 0 | 9 | 9 | 8 | 8 | 9 | 9 | 8 | 0 | 1 | 9 | 8 | 0 |
| | |
| | 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 | 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 |

ALIMENTARY SYSTEM

| | | |
|------------------------------|----|-----|
| Esophagus | + | 50 | |
| Inflammation | | | | | | | 1 | | 1 | | | | | 1 | | | | | | | 1 | | | | | 6 | 1.2 |
| Muscularis, Degeneration | | | | | | | | | | | | | | 2 | | | | | | | | | | | | 3 | 1.3 |
| Gallbladder | + | 49 | |
| Intestine Large, Cecum | + | 48 | |
| Lymphoid Tissue, Hyperplasia | | | | | | 3 | | | | | | | | | | | | | | 2 | | | | | | 2 | 2.5 |
| Intestine Large, Colon | + | 50 | |
| Intestine Large, Rectum | + | 50 | |
| Intestine Small, Duodenum | + | A | + | + | 47 | |
| Intestine Small, Ileum | + | + | A | + | 47 | |
| Intestine Small, Jejunum | + | + | A | + | 47 | |
| Liver | + | 50 | |
| Angiectasis | | | | | | 1 | | | | | | | | | | | | | | | | | | | | 1 | 1.0 |
| Basophilic Focus | | | X | | | | | | | | | | | X | | | | | | | | | | | | 7 | |
| Clear Cell Focus | | | | | X | | X | | | | X | | | X | X | | | | X | X | X | | X | | X | 21 | |
| Eosinophilic Focus | | X | X | X | | X | | | | X | | | X | X | | | | X | X | | X | | | | | 23 | |
| Fatty Change | | | | | | 2 | | 2 | | | | | 1 | | 2 | | | 1 | | 1 | | 2 | | 2 | 2 | 18 | 1.6 |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

x .. Lesion present

l .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

Page 26

2) Mild 4) Marked

TDMS No. 99023 - 04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
beta-Myrcene
CAS Number: 123-35-3

Date Report Reqsted: 07/26/2007
Time Report Reqsted: 09:29:40
First Dose M/F: 04/11/02 / 04/10/02
Lab: BAT

| B6C3F1 MICE MALE
0.25 G/KG | DAY ON TEST | 0
6
3
5 | 0
6
7
3 | 0
7
0
6 | 0
7
2
9 | 0
7
2
9 | 0
7
2
9 | 0
5
2
3 | 0
7
2
8 | 0
7
2
8 | 0
7
2
9 | 0
5
3
0 | 0
7
2
3 | 0
7
2
9 | 0
7
2
9 | 0
7
2
8 | 0
7
2
8 | 0
7
2
9 | 0
7
2
9 | 0
7
2
8 | 0
7
2
0 | 0
6
1
9 | 0
7
2
8 | 0
7
2
8 | 0
7
2
0 | | |
|-------------------------------|---|-----------------------|--------------|
| | ANIMAL ID | 0
0
0
7
6 | 0
0
0
7
7 | 0
0
0
7
8 | 0
0
0
7
9 | 0
0
0
8
0 | 0
0
0
8
1 | 0
0
0
8
2 | 0
0
0
8
3 | 0
0
0
8
4 | 0
0
0
8
5 | 0
0
0
8
6 | 0
0
0
8
7 | 0
0
0
8
8 | 0
0
0
8
9 | 0
0
0
9
0 | 0
0
0
9
1 | 0
0
0
9
2 | 0
0
0
9
3 | 0
0
0
9
4 | 0
0
0
9
5 | 0
0
0
9
6 | 0
0
0
9
7 | 0
0
0
9
8 | 0
0
0
9
9 | 0
0
0
9
0 | * TOTALS |
| | Adrenal Medulla
Hyperplasia | + | 50
2 1.0 |
| | Islets, Pancreatic
Hyperplasia | + | 50
36 1.3 |
| | Parathyroid Gland | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | M | + | + | + | 47 |
| | Pituitary Gland
Pars Distalis, Hyperplasia | + | + | + | + | M | + | 49
1 3.0 |
| | Thyroid Gland
Follicle, Cyst | + | 50
3 1.0 |
| | Follicle, Degeneration | 1 4.0 |
| | Follicular Cell, Hyperplasia | | 4 2.3 |
| | Follicular Cell, Hypertrophy | | 1 1.0 |

GENERAL BODY SYSTEM
NONE

GENITAL SYSTEM

| | |
|-----------------|-------|
| Epididymis | + | 50 |
| Preputial Gland | + | 50 |
| Ectasia | | | | | 2 | | | | | | | | | | | | | | 2 | | | | | | | | 5 2.4 |
| Inflammation | | | | | | | | | | | | | | | | 2 | | | | | | | | | | | 3 2.7 |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

x .. Lesion present

l .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:
1) Minimal 3) Moderate
2) Mild 4) Marked

Page 29

TDMS No. 99023 - 04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 07/26/2007
Time Report Requested: 09:29:40
First Dose M/F: 04/11/02 / 04/10/02
Lab: BAT

| | |
|-----------------------------------|-------------|
| B6C3F1 MICE MALE

0.25 G/KG | DAY ON TEST | 0 | |
| | | 6 | 6 | 7 | 7 | 7 | 7 | 5 | 7 | 7 | 7 | 7 | 5 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 6 | 7 | 7 | |
| | | 3 | 7 | 0 | 2 | 2 | 2 | 0 | 2 | 2 | 2 | 3 | 0 | 3 | 2 | 2 | 2 | 2 | 2 | 2 | 3 | 1 | 2 | 2 | |
| | | 5 | 3 | 6 | 9 | 9 | 9 | 3 | 8 | 8 | 9 | 0 | 3 | 0 | 9 | 9 | 8 | 8 | 9 | 9 | 8 | 0 | 1 | 9 | |
| | |
| | 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 |
| | | 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 | |

| | |
|-----------------------------------|--------|
| Prostate | + | 50 |
| Hyperplasia | | | | | | | | | | | | 2 | | | | | | | | | | | | | | 2 2.0 |
| Inflammation | | 1 | 1 | | | | 1 | | | 1 | | 1 | | | 1 | | | | | | 1 | 1 | | | | 15 1.1 |
| Seminal Vesicle | + | 50 |
| Testes | + | 50 |
| Germinal Epithelium, Degeneration | 2 | 2 | | 2 2.0 |

HEMATOPOIETIC SYSTEM

| | |
|------------------------------------|--------|
| Bone Marrow | + | 50 |
| Necrosis, Focal | | | | | | | | | 2 | | | | | | | | | | | | | | | | | 1 2.0 |
| Pigmentation | 2 | | | 1 2.0 |
| Myeloid Cell, Hyperplasia | | | | 2 | | | | | 2 | | | | | | | | | | | | | | | | | 3 2.0 |
| Lymph Node, Mandibular | + | 50 |
| Atrophy | | 1 | | | | | | 1 | | | | | | | 2 | | | | | | | | | | | 6 1.2 |
| Hyperplasia, Lymphoid | | | | | 2 | | 1 | | | | | | | | | | | | | | | | | | | 3 1.7 |
| Infiltration Cellular, Plasma Cell | 2 | | | 2 | | 3 2.0 |
| Lymph Node, Mesenteric | + | 50 |
| Atrophy | | 1 | 1 | | | | | | | | | 4 | | | 1 | | | | | | | | | | | 12 1.7 |
| Hyperplasia, Lymphoid | | | | | | | | | | | | | | | | | 2 | | | | | | | | | 2 1.5 |
| Infiltration Cellular, Plasma Cell | | 1 2.0 |
| Spleen | + | 50 |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

x .. Lesion present

l .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

Page 30

TDMS No. 99023 - 04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 07/26/2007
Time Report Requested: 09:29:40
First Dose M/F: 04/11/02 / 04/10/02
Lab: BAT

| | | |
|------------------|-------------|----------|
| | DAY ON TEST | 0 |
| | | 6 | 6 | 7 | 7 | 7 | 7 | 5 | 7 | 7 | 7 | 7 | 5 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 7 |
| | | 3 | 7 | 0 | 2 | 2 | 2 | 0 | 2 | 2 | 2 | 3 | 0 | 3 | 2 | 2 | 2 | 2 | 2 | 2 | 3 | 1 | 2 | 2 | 3 | 3 | 3 | 3 |
| | | 5 | 3 | 6 | 9 | 9 | 9 | 3 | 8 | 8 | 9 | 0 | 3 | 0 | 9 | 9 | 8 | 8 | 9 | 9 | 8 | 0 | 1 | 9 | 8 | 0 | 0 | 0 |
| B6C3F1 MICE MALE | ANIMAL ID | 0 |
| | | 0 |
| | | 0 | 1 | 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 |
| 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 | 0 | * TOTALS |

| | | |
|---|----|-----|
| Hematopoietic Cell Proliferation
Pigmentation, Hemosiderin
Lymphoid Follicle, Atrophy | 4 | 3 | 2 | 2 | 1 | 1 | 2 | 2 | 3 | 3 | 1 | | 3 | 1 | 1 | 4 | 2 | 2 | 1 | | 1 | 2 | 1 | | 1 | | 43 | 1.9 |
| | | 1 | 1.0 |
| | 4 | | 5 | 2.2 |
| | | |
| Thymus
Atrophy | + | + | + | M | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 47 | |
| | | 4 | | | 1 | 3 | 1 | 3 | | 4 | 1 | | 4 | 1 | 1 | 4 | | 4 | | | 1 | 2 | 1 | 1 | 1 | | 40 | 2.3 |

INTEGUMENTARY SYSTEM

| | | |
|--|----|-----|
| Mammary Gland | M | 0 | |
| | | |
| Skin
Infiltration Cellular, Mast Cell, Focal
Ulcer | + | 50 | |
| | | 1 | 3.0 |
| | | 2 | 3.5 |

MUSCULOSKELETAL SYSTEM

| | | |
|---------------------------------|----|-----|
| Bone
Osteoporosis | + | 50 | |
| | 1 | 3.0 |
| Skeletal Muscle
Inflammation | | 2 | |
| | 1 | 2.0 |

NERVOUS SYSTEM

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

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

x .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

Page 31

TDMS No. 99023 - 04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 07/26/2007
Time Report Requested: 09:29:40
First Dose M/F: 04/11/02 / 04/10/02
Lab: BAT

| | |
|-------------------------------|-------------|
| | DAY ON TEST | 0 | |
| | | 6 | 6 | 7 | 7 | 7 | 7 | 5 | 7 | 7 | 7 | 7 | 5 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 6 | 7 | 7 | 7 | |
| | | 3 | 7 | 0 | 2 | 2 | 2 | 0 | 2 | 2 | 2 | 3 | 0 | 3 | 2 | 2 | 2 | 2 | 2 | 2 | 3 | 1 | 2 | 2 | 3 | |
| | | 5 | 3 | 6 | 9 | 9 | 9 | 3 | 8 | 8 | 9 | 0 | 3 | 0 | 9 | 9 | 8 | 8 | 9 | 9 | 8 | 0 | 1 | 9 | 8 | 0 |
| B6C3F1 MICE 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 | 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 |

RESPIRATORY SYSTEM

| | |
|---|-------|
| Lung | + | 50 |
| Inflammation, Chronic Active | 1 1.0 |
| Alveolar Epithelium, Hyperplasia | 8 2.0 |
| Alveolus, Infiltration Cellular, Histiocyte | 9 1.8 |
| Arteriole, Degeneration | 1 1.0 |
| Bronchiole, Hyperplasia | 2 2.0 |
| Glands, Inflammation | 2 1.5 |
| Nose | + | 50 |
| Inflammation | 2 2.0 |
| Glands, Dilatation | 3 1.7 |
| Olfactory Epithelium, Degeneration | 5 1.2 |
| Olfactory Epithelium, Metaplasia, Respiratory | | 2 2.0 |
| Respiratory Epithelium, Hyperplasia | 1 2.0 |
| Trachea | + | 50 |

SPECIAL SENSES SYSTEM

| | |
|-------------------------------|-------|
| Eye | + | 50 |
| Cornea, Hyperplasia, Squamous | | 2 2.0 |
| Cornea, Inflammation | 2 2.0 |
| Lens, Cataract | 2 3.0 |
| Optic Nerve, Fibrosis | 1 2.0 |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

x .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

Page 32

TDMS No. 99023 - 04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 07/26/2007
Time Report Requested: 09:29:40
First Dose M/F: 04/11/02 / 04/10/02
Lab: BAT

| | | | |
|---|-------------|---------|----------|
| B6C3F1 MICE MALE
0.25 G/KG | DAY ON TEST | 0635 | 0673 | 0072 | 0072 | 0072 | 0050 | 0072 | 0077 | 0077 | 0077 | 0057 | 0077 | 0077 | 0077 | 0077 | 0077 | 0077 | 0077 | 0077 | 0067 | 0077 | 0077 | 0003 | 0012 | 0023 | 0003 |
| | ANIMAL ID | 0007 | 0007 | 0000 | 0001 | 0009 | 0000 |
| | | 76 | 77 | 78 | 77 | 80 | 81 | 82 | 83 | 84 | 85 | 86 | 87 | 88 | 88 | 90 | 91 | 92 | 93 | 94 | 95 | 96 | 97 | 98 | 99 | 00 | |
| | | | |
| | | | * TOTALS |
| Retina, Degeneration | | 2 1.5 | |
| Harderian Gland | | 50 | |
| Fibrosis | | 3 1 3.0 | |
| Hyperplasia | | 2 3 2.7 | |
| URINARY SYSTEM | | | |
| Kidney | | 50 | |
| Infarct | | 6 1.7 | |
| Mineralization | | 31 1.0 | |
| Nephropathy | | 44 1.6 | |
| Cortex, Cyst | | 6 1.3 | |
| Cortex, Inflammation | | 2 3.0 | |
| Papilla, Inflammation | | 2 2.5 | |
| Papilla, Necrosis | | 1 1.0 | |
| Renal Tubule, Hyperplasia | | 16 1.1 | |
| Renal Tubule, Pigmentation, Hemosiderin | | 2 4.0 | |
| Renal Tubule, Vacuolization Cytoplasmic | | 41 1.3 | |
| Urinary Bladder | | 50 | |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

x .. Lesion present

l .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

Page 33

TDMS No. 99023 - 04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
beta-Myrcene
CAS Number: 123-35-3

Date Report Reqsted: 07/26/2007
Time Report Reqsted: 09:29:40
First Dose M/F: 04/11/02 / 04/10/02
Lab: BAT

| | | | |
|------------------------------|-------------|--------------------|---|
| B6C3F1 MICE MALE
0.5 G/KG | DAY ON TEST | 0 | males
(cont...) | |
| | | 5 | 5 | 7 | 7 | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 5 | 7 | 7 | 6 | 7 | 7 | | |
| | | 8 | 8 | 2 | 2 | 2 | 3 | 2 | 3 | 3 | 3 | 2 | 2 | 3 | 3 | 3 | 3 | 2 | 2 | 8 | 2 | 2 | 6 | 3 | | 3 |
| | | 7 | 0 | 9 | 8 | 8 | 7 | 8 | 0 | 0 | 0 | 9 | 9 | 0 | 0 | 0 | 0 | 9 | 9 | 8 | 3 | 9 | 9 | 0 | | 0 |
| | | | |
| ANIMAL ID | 0 | 0 | males
(cont...) | |
| | 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 | | |
| | 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 | + |
| Inflammation | | | | 2 | |
| Gallbladder | + |
| Intestine Large, Cecum | + |
| Edema | | | | | | 2 | | | | | | | | | | | | | | | | | | | |
| Intestine Large, Colon | + |
| Intestine Large, Rectum | + |
| Intestine Small, Duodenum | + |
| Intestine Small, Ileum | + |
| Intestine Small, Jejunum | + |
| Peyer's Patch, Hyperplasia, Lymphoid | | | | | | | | | | | | 3 | | | | | | | | | | | 4 | | |
| Liver | + |
| Amyloid Deposition |
| Angiectasis | | | | 3 | | 2 |
| Basophilic Focus | X |
| Clear Cell Focus | X | | X | X | | | | X | | | X | X | X | | X | X | | X | X | X | X | | | | X |
| Degeneration, Cystic |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

x .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

Page 34

TDMS No. 99023 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

beta-Myrcene

CAS Number: 123-35-3

Date Report Requested: 07/26/2007
 Time Report Requested: 09:29:40
 First Dose M/F: 04/11/02 / 04/10/02
 Lab: BAT

| B6C3F1 MICE MALE
0.5 G/KG | | DAY ON TEST | 0
5
8
7 | 0
5
8
0 | 0
7
2
9 | 0
7
2
8 | 0
7
2
8 | 0
6
3
7 | 0
7
2
8 | 0
7
3
0 | 0
7
3
0 | 0
7
2
9 | 0
7
3
9 | 0
7
2
0 | 0
7
3
0 | 0
7
3
0 | 0
7
2
9 | 0
7
2
9 | 0
5
8
3 | 0
7
2
9 | 0
7
6
0 | 0
7
3
0 | 0
7
3
0 | | | | |
|---------------------------------------|--|--------------------|-----------------------|
| | | 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
1
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
2
8 | 0
0
1
2
9 | 0
0
1
2
0 | 0
0
1
2
1 | 0
0
1
2
2 | 0
0
1
2
3 | 0
0
1
2
4 | 0
0
1
2
5 |
| | | males
(cont...) | |
| | | | |
| Eosinophilic Focus | | | | X | X | | | X | X | X | | X | | | X | X | X | X | | | X | X | | X | X | | |
| Fatty Change | | 3 | | 1 | | | | | | | 1 | | | | | 2 | | | | | 1 | X | | | | | 2 |
| Hematopoietic Cell Proliferation | | | |
| Inflammation, Chronic Active | | | | | 1 | | 1 | | 1 | 1 | | | 1 | 1 | 1 | | 1 | | | 1 | | 1 | | 1 | 1 | | |
| Mineralization | | | | 1 | | | |
| Mixed Cell Focus | | X | | | | | | | | | | | | | | X | | | X | | | | | | | | |
| Necrosis | | 2 | | | | | | | | | | | 2 | | 2 | 1 | | 1 | | | | | | 3 | 2 | | |
| Tension Lipidosis | | | | | | | | | | 2 | | | | | | | | | | | | 1 | | | | | |
| Vacuolization Cytoplasmic | | 2 | |
| Hepatocyte, Hypertrophy | | | | | | 1 | | | | 1 | 1 | | | 2 | 2 | 1 | | | 2 | 1 | | 2 | | | | 1 | |
| Hepatocyte, Pigmentation, Hemosiderin | | | |
| Oval Cell, Hyperplasia | | | |
| | | | |
| Mesentery | | | | | + | | | + | | | | | | + | | | | | | | | | | | | | |
| Fat, Necrosis | | | | | 3 | | | 1 | | | | | | 1 | | | | | | | | | | | | | |
| | | | |
| Pancreas | | + | + |
| Cytoplasmic Alteration | | | | | 1 | |
| | | | |
| Salivary Glands | | + | + |
| Inflammation | | | | | | 2 | |
| | | | |
| Stomach, Forestomach | | + | + |
| Inflammation | | | | | | | | | 2 | 3 | | | | | | | | | | | | | 3 | | | | |
| Necrosis | | | |
| Ulcer | | | | | | | | | | | 1 | | | | | | | 2 | | | | | | | | | |
| Epithelium, Hyperplasia | | | | | | | | | 4 | 4 | | | | | | | | 2 | | | 1 | | 3 | | | | |
| Epithelium, Metaplasia | | | |

males
(cont...)

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

x .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

TDMS No. 99023 - 04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 07/26/2007
Time Report Requested: 09:29:40
First Dose M/F: 04/11/02 / 04/10/02
Lab: BAT

| | | |
|---|-------------|--------------------|
| B6C3F1 MICE MALE
0.5 G/KG | DAY ON TEST | 0
5
8
7 | 0
5
8
0 | 0
7
2
9 | 0
7
2
8 | 0
7
2
8 | 0
6
3
7 | 0
7
2
8 | 0
7
3
0 | 0
7
3
0 | 0
7
3
0 | 0
7
2
9 | 0
7
2
9 | 0
7
3
0 | 0
7
3
0 | 0
7
3
0 | 0
7
2
9 | 0
7
2
9 | 0
7
8
3 | 0
7
2
9 | 0
7
2
9 | 0
6
2
0 | 0
7
2
0 | 0
3
6
0 | 0
7
3
0 | 0
7
3
0 |
| | 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
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
1
4
5 | males
(cont...) |
| | | |
| | | |
| | | |
| | | |
| Stomach, Glandular
Hyperplasia
Inflammation
Metaplasia, Squamous
Necrosis | | + |
| Tooth
Dysplasia
Pulp, Inflammation | | + | | + | | + | + | + | | | + | + | + | | + | + | + | + | + | + | + | + | + | + | + | + |
| | | X | | X | | X | X | X | | | X | X | X | | X | X | X | X | X | X | X | X | X | X | X | X |
| | | | | | | 1 | |

CARDIOVASCULAR SYSTEM

| | |
|--------------------|--|
| Blood Vessel | + | | |
| Heart | + | |
| Cardiomyopathy | | | 1 | | | | 1 | | 1 | | | 1 | | | 1 | | | | | 1 | | | | 1 | | 1 | |
| Mineralization | | | | | | 2 | | | | | | | | | | | | | | | | | | | 2 | | |
| Atrium, Thrombosis | | |

ENDOCRINE SYSTEM

| |
|-------------------------------|
| Adrenal Cortex | + |
| Hypertrophy | | | 1 | | 2 | | | | | | | | | | 3 | | | | | | | 1 | | | | |
| Thrombosis | 1 | | | | | | |
| Subcapsular, Hyperplasia | 2 | 1 | 2 | 2 | 2 | 2 | 1 | 2 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 1 | 2 | 1 | 1 | 2 | 2 | |
| Zona Fasciculata, Hyperplasia | | 1 | | |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

x .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

Page 36

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

TDMS No. 99023 - 04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
beta-Myrcene
CAS Number: 123-35-3

Date Report Reqsted: 07/26/2007
Time Report Reqsted: 09:29:40
First Dose M/F: 04/11/02 / 04/10/02
Lab: BAT

| B6C3F1 MICE MALE
0.5 G/KG | DAY ON TEST | 0 | | |
|-----------------------------------|-----------------|--------------------|
| | | 5 | 5 | 7 | 7 | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 5 | 7 | 7 | 6 | 7 | 7 | |
| | | 8 | 8 | 2 | 2 | 2 | 3 | 2 | 3 | 3 | 3 | 2 | 2 | 3 | 3 | 3 | 3 | 2 | 2 | 2 | 8 | 2 | 2 | 6 | 3 | 3 | | |
| | | 7 | 0 | 9 | 8 | 8 | 7 | 8 | 0 | 0 | 0 | 9 | 9 | 0 | 0 | 0 | 0 | 9 | 9 | 8 | 3 | 9 | 9 | 0 | 0 | 0 | | |
| | ANIMAL ID | 0 | males
(cont...) |
| | | 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 | 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 | | |
| | Adrenal Medulla | | + | |
| Islets, Pancreatic | | + | | |
| Hyperplasia | | 1 | | 2 | | | 1 | | 1 | 1 | | 1 | 2 | 1 | 1 | | | | | 1 | 1 | | 1 | 3 | 1 | 1 | | |
| Infiltration Cellular, Mixed Cell | | |
| Parathyroid Gland | | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | |
| Pituitary Gland | | + | | |
| Thyroid Gland | | + | | |
| C-cell, Hyperplasia | | |

GENERAL BODY SYSTEM
NONE

GENITAL SYSTEM

| |
|-----------------|
| Epididymis | + |
| Cyst |
| Inflammation | | | | | 2 | | | | | | | | | | | | | | 2 | | | | | |
| Preputial Gland | + |
| Ectasia | | | | | | | | | | | | | | | | 1 | | | 2 | | | | | |
| Inflammation | | | | | 3 | | | | | | | | | | | | | | | | | | | |
| Prostate | + |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

x .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

Page 37

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

TDMS No. 99023 - 04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 07/26/2007
Time Report Requested: 09:29:40
First Dose M/F: 04/11/02 / 04/10/02
Lab: BAT

| | | | |
|------------------------------|-------------|--------------------|---|
| B6C3F1 MICE MALE
0.5 G/KG | DAY ON TEST | 0 | males
(cont...) | |
| | | 5 | 5 | 7 | 7 | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 5 | 7 | 7 | 6 | 7 | | 7 |
| | | 8 | 8 | 2 | 2 | 2 | 3 | 2 | 3 | 3 | 3 | 2 | 2 | 3 | 3 | 3 | 3 | 2 | 2 | 8 | 2 | 2 | 6 | 3 | | 3 |
| | | 7 | 0 | 9 | 8 | 8 | 7 | 8 | 0 | 0 | 0 | 9 | 9 | 0 | 0 | 0 | 0 | 9 | 9 | 8 | 3 | 9 | 9 | 0 | | 0 |
| | | | |
| ANIMAL ID | 0 | 0 | males
(cont...) | |
| | 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 | | |
| | 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...)

| | |
|-------------------------|---|
| Atrophy
Inflammation | 1 | |
|-------------------------|---|

HEMATOPOIETIC SYSTEM

| | |
|--|---|
| Bone Marrow
Atrophy
Myelofibrosis
Pigmentation
Myeloid Cell, Hyperplasia | + |
| Lymph Node
Inguinal, Atrophy
Inguinal, Infiltration Cellular, Histiocyte
Mediastinal, Inflammation, Granulomatous | | + | | | | | | | | | | | | | + | | | | | | | + | + | | | |
| Lymph Node, Mandibular
Atrophy
Hyperplasia, Lymphoid
Infiltration Cellular, Plasma Cell | + |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

x .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

Page 38

TDMS No. 99023 - 04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 07/26/2007
Time Report Requested: 09:29:40
First Dose M/F: 04/11/02 / 04/10/02
Lab: BAT

| | |
|------------------------------|-------------|
| B6C3F1 MICE MALE
0.5 G/KG | DAY ON TEST | 0 | |
| | | 5 | 5 | 7 | 7 | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 5 | 7 | 7 | 6 | 7 | 7 | |
| | | 8 | 8 | 2 | 2 | 2 | 3 | 2 | 3 | 3 | 3 | 2 | 2 | 3 | 3 | 3 | 3 | 2 | 2 | 2 | 8 | 2 | 2 | 6 | 3 | 3 |
| | | 7 | 0 | 9 | 8 | 8 | 7 | 8 | 0 | 0 | 0 | 9 | 9 | 0 | 0 | 0 | 0 | 9 | 9 | 8 | 3 | 9 | 9 | 0 | 0 | 0 |
| | |
| 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...) | |

males
(cont...)

Lymph Node, Mesenteric
Atrophy
Hyperplasia, Lymphoid
Inflammation, Granulomatous

+ + + + + + + + + + + + + + + + + + M + + + + +
1 3 2 1 2 2

Spleen
Amyloid Deposition
Hematopoietic Cell Proliferation
Hyperplasia, Lymphoid
Infiltration Cellular, Histiocyte
Lymphoid Follicle, Atrophy
Lymphoid Follicle, Hyperplasia

+
2 3 1 1 4 4 1 2 2 1 2 1 2 3 1 2 3 1 2 4 3 2
4 1 3 3

Thymus
Atrophy

+ + + + + M +
1 2 1 2 4 2 1 2 1 3 3 4 1 2 1 1 4 1 4 4 4

INTEGUMENTARY SYSTEM

Mammary Gland

M M

Skin
Inflammation
Ulcer
Subcutaneous Tissue, Edema

+
4
2

MUSCULOSKELETAL SYSTEM

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
+ .. Tissue examined microscopically
x .. Lesion present
I .. Insufficient tissue

M .. Missing tissue
A .. Autolysis precludes evaluation
BLANK .. Not examined microscopically
Page 39

1-4 .. Lesion qualified as:
1) Minimal 3) Moderate
2) Mild 4) Marked

TDMS No. 99023 - 04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 07/26/2007
Time Report Requested: 09:29:40
First Dose M/F: 04/11/02 / 04/10/02
Lab: BAT

| | |
|------------------------------|-------------|
| B6C3F1 MICE MALE
0.5 G/KG | DAY ON TEST | 0 | |
| | | 5 | 5 | 7 | 7 | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 5 | 7 | 7 | 6 | 7 | 7 | |
| | | 8 | 8 | 2 | 2 | 2 | 3 | 2 | 3 | 3 | 3 | 2 | 2 | 3 | 3 | 3 | 3 | 2 | 2 | 2 | 8 | 2 | 2 | 6 | 3 | 3 |
| | | 7 | 0 | 9 | 8 | 8 | 7 | 8 | 0 | 0 | 0 | 9 | 9 | 0 | 0 | 0 | 0 | 9 | 9 | 8 | 3 | 9 | 9 | 0 | 0 | 0 |
| | |
| 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...) | |

males
(cont...)

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

NERVOUS SYSTEM

| | |
|---|---|
| Brain | + |
| Vein, Infiltration Cellular, Lymphocyte | | | | | | | | | | | | 1 | | | | | | | | | | | | | | |
| Peripheral Nerve | + | |
| Infiltration Cellular, Lymphocyte | 2 | |
| Spinal Cord | + | |

RESPIRATORY SYSTEM

| | |
|--|---|
| Lung | + |
| Hematopoietic Cell Proliferation |
| Inflammation, Suppurative | 2 | | |
| Inflammation, Chronic Active | | | | | | | | | | | | | | | 1 | | | | | | | | | | | |
| Thrombosis | | | | | | | | | | | | 1 | | | | | | | | | | | | | | |
| Alveolar Epithelium, Hyperplasia | | | | | | | 3 | | | | | | | | | | 1 | | | | | | | | | |
| Alveolus, Infiltration Cellular, Histocyte | | | | | | | | | | | | | | | | | 2 | | | | | | | | | |
| Glands, Inflammation | 2 | | |
| Nose | + |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

x .. Lesion present

l .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

Page 40

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

TDMS No. 99023 - 04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 07/26/2007
Time Report Requested: 09:29:40
First Dose M/F: 04/11/02 / 04/10/02
Lab: BAT

| | |
|------------------------------|-------------|
| B6C3F1 MICE MALE
0.5 G/KG | DAY ON TEST | 0 | |
| | | 5 | 6 | 4 | 6 | 7 | 6 | 7 | 7 | 7 | 6 | 7 | 7 | 7 | 5 | 7 | 7 | 6 | 7 | 6 | 7 | 5 | 7 | 7 | 5 | |
| | | 4 | 8 | 5 | 3 | 2 | 9 | 1 | 2 | 3 | 7 | 2 | 2 | 2 | 3 | 2 | 3 | 7 | 0 | 6 | 3 | 3 | 8 | 3 | 2 | 2 |
| | | 9 | 5 | 0 | 7 | 9 | 1 | 6 | 9 | 0 | 9 | 8 | 8 | 1 | 1 | 9 | 0 | 3 | 8 | 7 | 0 | 0 | 6 | 0 | 9 | 5 |
| | |
| | ANIMAL ID | 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 | 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 |
| Inflammation | 1 | | | | | | 1 | | | | | | | | | | | | | | | | | | | 3 1.3 |
| Gallbladder | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49 |
| Intestine Large, Cecum | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | 49 |
| Edema | 1 2.0 |
| Intestine Large, Colon | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | 49 |
| Intestine Large, Rectum | + | 50 |
| Intestine Small, Duodenum | A | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | 47 |
| Intestine Small, Ileum | + | + | + | + | + | A | + | + | + | + | + | + | A | + | + | + | + | + | A | + | + | + | + | + | + | 47 |
| Intestine Small, Jejunum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | 49 |
| Peyer's Patch, Hyperplasia, Lymphoid | | 2 3.5 |
| Liver | + | 50 |
| Amyloid Deposition | | | | | | | 3 | | | | | | | | | | | | | | | | | | | 1 3.0 |
| Angiectasis | 2 2.5 |
| Basophilic Focus | X | X | | | | | X | | | | X | | | | | | | | X | | | | | | | 6 |
| Clear Cell Focus | | | | | X | | | | X | | X | | | | | | | | | X | X | | X | X | | 21 |
| Degeneration, Cystic | 1 | | | 1 1.0 |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

x .. Lesion present

l .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

Page 43

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

TDMS No. 99023 - 04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 07/26/2007
Time Report Requested: 09:29:40
First Dose M/F: 04/11/02 / 04/10/02
Lab: BAT

| B6C3F1 MICE MALE
0.5 G/KG | | DAY ON TEST | 0 |
|------------------------------|--|-------------|
|------------------------------|--|-------------|

CARDIOVASCULAR SYSTEM

| | | | |
|--------------------|--|----|-----|
| Blood Vessel | | 1 | |
| Heart | | + | 50 | |
| Cardiomyopathy | | | 1 | | 1 | | | 1 | | | | | | | | | | 1 | | 2 | | 1 | | | | 13 | 1.1 |
| Mineralization | | | | | | | | | | | | | | | 1 | | | 1 | | | | | | | | 4 | 1.5 |
| Atrium, Thrombosis | | | | | | | | | | | | 4 | | | | | | 1 | | | | | | | | 2 | 2.5 |

ENDOCRINE SYSTEM

| | | | |
|-------------------------------|----|-----|-----|
| Adrenal Cortex | + | 50 | | |
| Hypertrophy | 1 | | 1 | | | | 1 | | | | | | | | | | 1 | 1 | | | | 1 | | | 10 | 1.3 | |
| Thrombosis | 1 | 1.0 | |
| Subcapsular, Hyperplasia | | 2 | 2 | 1 | 2 | | 2 | 2 | 1 | 1 | 2 | | 1 | 1 | 2 | 1 | 3 | 1 | 2 | 1 | 2 | 3 | 2 | | 1 | 46 | 1.7 |
| Zona Fasciculata, Hyperplasia | | | | | | | | | | | 1 | | | | 2 | | | | | | | | | | | 3 | 1.3 |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

x .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

Page 45

TDMS No. 99023 - 04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 07/26/2007
Time Report Requested: 09:29:40
First Dose M/F: 04/11/02 / 04/10/02
Lab: BAT

| B6C3F1 MICE MALE
0.5 G/KG | DAY ON TEST | 0
5
4
9 | 0
6
8
5 | 0
4
5
0 | 0
6
3
7 | 0
7
2
9 | 0
6
1
1 | 0
7
7
6 | 0
7
2
9 | 0
7
7
0 | 0
6
3
9 | 0
7
2
8 | 0
7
2
8 | 0
7
2
1 | 0
5
3
1 | 0
7
2
9 | 0
7
3
0 | 0
6
7
3 | 0
7
0
8 | 0
6
6
7 | 0
7
3
0 | 0
5
8
6 | 0
7
3
0 | 0
7
2
9 | 0
5
2
5 | |
|-----------------------------------|-------------|-----------------------|
| | 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
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
4
8 | 0
0
1
4
9 |
| | | |
| | | |
| | | |
| * TOTALS | | |
| Adrenal Medulla | | + | 50 |
| Islets, Pancreatic | | + | 50 |
| Hyperplasia | | | 2 | 1 | | | 1 | | | 1 | 1 | 1 | | | 1 | 3 | 2 | | | | | 1 | 1 | | 1 | 28 |
| Infiltration Cellular, Mixed Cell | | | | | | | | | | | | | | | | | 2 | | | | | | | | 1 | 1.3 |
| Parathyroid Gland | | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | 48 |
| Pituitary Gland | | + | 50 |
| Thyroid Gland | | + | 50 |
| C-cell, Hyperplasia | | | | | | | 1 | | | | | | | | | | | | | | | | | | | 1 |

GENERAL BODY SYSTEM
NONE

GENITAL SYSTEM

| | | |
|-----------------|----|-------|
| Epididymis | + | 50 | |
| Cyst | | 3 | | 1 3.0 |
| Inflammation | | 2 2.0 |
| Preputial Gland | + | 50 | |
| Ectasia | 2 | 3 | | 4 2.0 |
| Inflammation | | | | | | | | 4 | | | | | | | | | | | | | | | | | | 2 3.5 |
| Prostate | + | 50 | |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

x .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

Page 46

TDMS No. 99023 - 04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 07/26/2007
Time Report Requested: 09:29:40
First Dose M/F: 04/11/02 / 04/10/02
Lab: BAT

| | |
|------------------------------|-------------|
| B6C3F1 MICE MALE
0.5 G/KG | DAY ON TEST | 0 | |
| | | 5 | 6 | 4 | 6 | 7 | 6 | 7 | 7 | 7 | 6 | 7 | 7 | 7 | 5 | 7 | 7 | 6 | 7 | 6 | 7 | 5 | 7 | 7 | 5 | |
| | | 4 | 8 | 5 | 3 | 2 | 9 | 1 | 2 | 3 | 7 | 2 | 2 | 2 | 3 | 2 | 3 | 7 | 0 | 6 | 3 | 3 | 8 | 3 | 2 | 2 |
| | | 9 | 5 | 0 | 7 | 9 | 1 | 6 | 9 | 0 | 9 | 8 | 8 | 1 | 1 | 9 | 0 | 3 | 8 | 7 | 0 | 0 | 6 | 0 | 9 | 5 |
| | |
| | ANIMAL ID | 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 | 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 |

| | | |
|-------------------------------------|----|-----|
| Atrophy | 1 | 2.0 |
| Inflammation | 1 | 1 | | | | | | | | | | 1 | 2 | | | | 1 | 1 | | 1 | 1 | | 1 | 1 | | | 22 | 1.0 |
| Seminal Vesicle | + | 50 | |
| Atrophy | 1 | 3.0 |
| Inflammation | 1 | 3.0 |
| Testes | + | 50 | |
| Germinal Epithelium, Degeneration | | 2 | | 4 | | | | | | | | | 1 | | | | | 3 | | | | | | | | | 5 | 2.2 |
| Germinal Epithelium, Mineralization | | 1 | | | | | | | | | | | 1 | | | | | | | | | | | | | | 2 | 1.0 |

HEMATOPOIETIC SYSTEM

| | | |
|---|----|-----|
| Bone Marrow | + | 50 | |
| Atrophy | | | | | | | 2 | | | | | | | | | | | | | | | | | | | | 1 | 2.0 |
| Myelofibrosis | 1 | 1.0 |
| Pigmentation | | | | | | | | | | | | | | 2 | | | | | | | | | | | | | 1 | 2.0 |
| Myeloid Cell, Hyperplasia | | | | | | | | 3 | | | | | | | | 1 | | | | | | | | 1 | | | 3 | 1.7 |
| Lymph Node | | | | + | | 5 | |
| Inguinal, Atrophy | 1 | 3.0 |
| Inguinal, Infiltration Cellular, Histiocyte | | 1 | 2.0 |
| Mediastinal, Inflammation, Granulomatous | 1 | 2.0 |
| Lymph Node, Mandibular | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | M | + | + | + | + | + | + | + | 48 | |
| Atrophy | | | 1 | | | | | 2 | | | | | | 2 | 2 | 2 | | | | | | | | | | | 9 | 1.6 |
| Hyperplasia, Lymphoid | 2 | | | | | | 2 | 3.0 |
| Infiltration Cellular, Plasma Cell | 1 | 1.0 |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

x .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

Page 47

TDMS No. 99023 - 04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 07/26/2007
Time Report Requested: 09:29:40
First Dose M/F: 04/11/02 / 04/10/02
Lab: BAT

| | |
|----------------------------------|-------------|
| B6C3F1 MICE MALE

0.5 G/KG | DAY ON TEST | 0 | |
| | | 5 | 6 | 4 | 6 | 7 | 6 | 7 | 7 | 7 | 6 | 7 | 7 | 7 | 5 | 7 | 7 | 6 | 7 | 6 | 7 | 5 | 7 | 7 | 5 | |
| | | 4 | 8 | 5 | 3 | 2 | 9 | 1 | 2 | 3 | 7 | 2 | 2 | 2 | 3 | 2 | 3 | 7 | 0 | 6 | 3 | 3 | 8 | 3 | 2 | 2 |
| | | 9 | 5 | 0 | 7 | 9 | 1 | 6 | 9 | 0 | 9 | 8 | 8 | 1 | 1 | 9 | 0 | 3 | 8 | 7 | 0 | 0 | 6 | 0 | 9 | 5 |
| | |
| | ANIMAL ID | 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 | 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 | |

| | |
|-----------------------------------|--------|
| Lymph Node, Mesenteric | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | M | + | + | + | + | + | + | 47 |
| Atrophy | | 4 | 2 | 3 | | | | | 2 | | 1 | | 3 | | | | | 4 | | | | | | | 2 | 13 2.3 |
| Hyperplasia, Lymphoid | 1 2.0 |
| Inflammation, Granulomatous | | | | | | | | | | | | | | | | | 4 | | | | | | | | | 1 4.0 |
| Spleen | + | + | + | + | + | A | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | 48 |
| Amyloid Deposition | | | | | | | 1 | | | | | | | | | | | | | | | | | | | 1 1.0 |
| Hematopoietic Cell Proliferation | 41 2.2 |
| Hyperplasia, Lymphoid | 2 | | 2 | 2 | 1 | | 4 | 3 | 1 | | 2 | 3 | | 2 | 3 | | 2 | 2 | 4 | | 2 | 2 | 1 | | 2 | 1 3.0 |
| Infiltration Cellular, Histiocyte | | | | | | | | | | | | | | | | | 3 | | | | | | | | | 1 2.0 |
| Lymphoid Follicle, Atrophy | 2 | 3 | | 2 | | | 4 | | | | | | | | | | 3 | 4 | | | | | | | | 10 2.9 |
| Lymphoid Follicle, Hyperplasia | 2 | | | | 1 2.0 |
| Thymus | + | + | + | + | M | + | 48 |
| Atrophy | 4 | 4 | 4 | 4 | | 4 | 4 | 3 | 3 | 4 | 1 | 4 | 4 | 4 | 1 | 2 | 2 | 4 | 1 | 4 | 2 | 2 | | 1 | 1 | 44 2.6 |

INTEGUMENTARY SYSTEM

| | |
|----------------------------|-------|
| Mammary Gland | M | M | M | M | M | M | M | M | M | + | M | M | M | M | M | M | M | M | M | M | M | M | M | M | M | 1 |
| Skin | + | 50 |
| Inflammation | | | | | | | 3 | | | | | | | | | | 3 | | | | | | | | | 2 3.0 |
| Ulcer | | | | | | | 4 | | | | | | | | | | 4 | | | | | | | | | 3 4.0 |
| Subcutaneous Tissue, Edema | | 1 2.0 |

MUSCULOSKELETAL SYSTEM

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

x .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

Page 48

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

TDMS No. 99023 - 04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 07/26/2007
Time Report Requested: 09:29:40
First Dose M/F: 04/11/02 / 04/10/02
Lab: BAT

| | |
|------------------------------|-------------|
| B6C3F1 MICE MALE
0.5 G/KG | DAY ON TEST | 0 | |
| | | 5 | 6 | 4 | 6 | 7 | 6 | 7 | 7 | 7 | 6 | 7 | 7 | 7 | 5 | 7 | 7 | 6 | 7 | 6 | 7 | 5 | 7 | 7 | 5 | |
| | | 4 | 8 | 5 | 3 | 2 | 9 | 1 | 2 | 3 | 7 | 2 | 2 | 2 | 3 | 2 | 3 | 7 | 0 | 6 | 3 | 3 | 8 | 3 | 2 | 2 |
| | | 9 | 5 | 0 | 7 | 9 | 1 | 6 | 9 | 0 | 9 | 8 | 8 | 1 | 1 | 9 | 0 | 3 | 8 | 7 | 0 | 0 | 6 | 0 | 9 | 5 |
| | |
| | ANIMAL ID | 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 | 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 | |

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

NERVOUS SYSTEM

| | | |
|---|-------|----|
| Brain | + | + | 50 |
| Vein, Infiltration Cellular, Lymphocyte | 1 1.0 | |
| Peripheral Nerve | 1 | |
| Infiltration Cellular, Lymphocyte | 1 2.0 | |
| Spinal Cord | 1 | |

RESPIRATORY SYSTEM

| | | |
|--|-------|-------|
| Lung | + | + | 50 |
| Hematopoietic Cell Proliferation | 2 | 1 2.0 |
| Inflammation, Suppurative | 1 2.0 | |
| Inflammation, Chronic Active | 1 1.0 | |
| Thrombosis | 1 1.0 | |
| Alveolar Epithelium, Hyperplasia | 2 | 5 2.4 |
| Alveolus, Infiltration Cellular, Histocyte | 2 | 1 2.0 |
| Glands, Inflammation | 4 | 1 2.0 |
| Nose | + | + | 50 |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

x .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

Page 49

Page 50

TDMS No. 99023 - 04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
beta-Myrcene
CAS Number: 123-35-3

Date Report Reqsted: 07/26/2007
Time Report Reqsted: 09:29:40
First Dose M/F: 04/11/02 / 04/10/02
Lab: BAT

| | | | | |
|---|-------------|----------|----------|--|
| B6C3F1 MICE MALE
0.5 G/KG | DAY ON TEST | 0 | 0 | | |
| | | 5 | 6 | 4 | 6 | 7 | 6 | 7 | 7 | 7 | 6 | 7 | 7 | 7 | 5 | 7 | 7 | 6 | 7 | 6 | 7 | 5 | 7 | 7 | 5 | | |
| | | 4 | 8 | 5 | 3 | 2 | 9 | 1 | 2 | 3 | 7 | 2 | 2 | 2 | 3 | 2 | 3 | 7 | 0 | 6 | 3 | 3 | 8 | 3 | 2 | 2 | |
| | | 9 | 5 | 0 | 7 | 9 | 1 | 6 | 9 | 0 | 9 | 8 | 8 | 1 | 1 | 9 | 0 | 3 | 8 | 7 | 0 | 0 | 6 | 0 | 9 | 5 | |
| | | | | |
| B6C3F1 MICE MALE
0.5 G/KG | ANIMAL ID | 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 | | |
| Renal Tubule, Necrosis | | 1 | | | | | | | | | | | | 1 | | | | | | | | | | | | 3 1.3 | |
| Renal Tubule, Pigmentation, Hemosiderin | | | | | | | | | | | | | | 2 | | | | | | | | | | | | 1 3.0 | |
| Renal Tubule, Vacuolization Cytoplasmic | | 1 | 1 | | | | 1 | | | | 1 | | | | 1 | | | | 1 | 1 | 1 | | | | 1 | 20 1.1 | |
| Urinary Bladder Inflammation | | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | 49 1 3.0 | |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

x .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

Page 51

TDMS No. 99023 - 04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
beta-Myrcene
CAS Number: 123-35-3

Date Report Reqsted: 07/26/2007
Time Report Reqsted: 09:29:40
First Dose M/F: 04/11/02 / 04/10/02
Lab: BAT

| | | | |
|------------------------------|-------------|--------------------|---|
| B6C3F1 MICE MALE
1.0 G/KG | DAY ON TEST | 0 | males
(cont...) | |
| | | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 7 | 5 | 7 | 7 | 7 | 7 | 3 | 7 | 3 | 7 | 4 | 7 | 7 | 5 | 1 | 5 | | 7 |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 4 | 2 | 3 | 2 | 2 | 2 | 3 | 2 | 3 | 0 | 3 | 3 | 0 | 3 | 0 | | 2 |
| | | 5 | 4 | 4 | 4 | 4 | 4 | 4 | 9 | 2 | 9 | 0 | 9 | 8 | 9 | 3 | 0 | 4 | 0 | 0 | 0 | 0 | 5 | 5 | | 5 |
| | ANIMAL ID | 0 | | 0 |
| | | 0 | |
| | | 1 | |
| | | 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 |

ALIMENTARY SYSTEM

| |
|------------------------------|
| Esophagus | I | + |
| Inflammation | | 1 | | | | | | | | 2 | | | | | | | | | | | | | | 1 |
| Necrosis |
| Gallbladder | | + |
| Intestine Large, Cecum | | + |
| Intestine Large, Colon | | + |
| Intestine Large, Rectum | | + |
| Intestine Small, Duodenum | | + |
| Inflammation, Chronic Active | |
| Necrosis |
| Intestine Small, Ileum | | + |
| Intestine Small, Jejunum | | + |
| Liver | | + |
| Abscess |
| Basophilic Focus |
| Clear Cell Focus |
| Eosinophilic Focus |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

x .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

Page 52

TDMS No. 99023 - 04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 07/26/2007
Time Report Requested: 09:29:40
First Dose M/F: 04/11/02 / 04/10/02
Lab: BAT

| B6C3F1 MICE MALE
1.0 G/KG | DAY ON TEST | 0 | males
(cont...) |
|------------------------------|-------------|--------------------|
| | | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 7 | 5 | 7 | 7 | 7 | 7 | 7 | 3 | 7 | 3 | 7 | 4 | 7 | 7 | 5 | 1 | 5 | 7 | | |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 4 | 2 | 3 | 2 | 2 | 2 | 3 | 2 | 3 | 0 | 3 | 3 | 0 | 3 | 0 | 3 | 0 | 2 | |
| | | 5 | 4 | 4 | 4 | 4 | 4 | 4 | 9 | 2 | 9 | 0 | 9 | 8 | 9 | 3 | 0 | 4 | 0 | 0 | 0 | 0 | 5 | 5 | 5 | 9 | | |
| | ANIMAL ID | 0 | |
| | | 0 | | |
| | | 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 | 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 | | |
| | | |
| Stomach, Glandular | + | + | | |
| Hyperplasia | | | | | | | | | | 1 | | | | | | | | | | | | | | | | 1 | | |
| Inflammation | | 1 | |
| Metaplasia, Squamous | | |
| Necrosis | | | | 2 | |
| | | |
| Tooth | | | | | + | | | | | + | | | + | + | | | | | | | | | | | | | | |
| Dysplasia | | | | | X | | | | | X | | | X | X | | | | | | | | | | | | | | |

CARDIOVASCULAR SYSTEM

| |
|--------------------|
| Blood Vessel |
| | + | |
| Heart | + |
| Cardiomyopathy | 1 | | | | | 1 | | 1 | | 1 | 1 | | 1 | 1 | | 1 | | 1 | 1 | | | 1 | | | 1 |
| Mineralization | | | | | | | | | 1 | | | | | | | | | | | 1 | | | | | |
| Atrium, Thrombosis | |

ENDOCRINE SYSTEM

| |
|-------------------------------|
| Adrenal Cortex | + |
| Necrosis |
| Subcapsular, Hyperplasia | 2 | 1 | 2 | 1 | | 1 | 2 | 1 | 2 | 2 | 2 | 2 | 1 | 2 | | 2 | 1 | 2 | 1 | 2 | 3 | 1 | 1 | 1 | 1 |
| Zona Fasciculata, Hyperplasia | | | | | | | | | | | | | | | | | | 1 | | | | | | | 1 |
| Adrenal Medulla | + |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

x .. Lesion present

l .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

Page 54

TDMS No. 99023 - 04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
beta-Myrcene
CAS Number: 123-35-3

Date Report Reqsted: 07/26/2007
Time Report Reqsted: 09:29:40
First Dose M/F: 04/11/02 / 04/10/02
Lab: BAT

| | | | | | |
|-------------------------------------|---|---|-----------------------|--|--|
| B6C3F1 MICE MALE
1.0 G/KG | DAY ON TEST | 0
5
0
5 | 0
5
0
4 | 0
5
0
4 | 0
5
0
4 | 0
5
0
4 | 0
5
0
4 | 0
5
0
4 | 0
5
0
4 | 0
7
2
9 | 0
5
2
9 | 0
7
7
0 | 0
7
2
9 | 0
7
2
8 | 0
7
2
9 | 0
3
2
3 | 0
7
2
0 | 0
3
2
4 | 0
7
3
0 | 0
4
3
0 | 0
7
3
0 | 0
5
0
5 | 0
1
3
5 | 0
5
0
5 | 0
7
2
9 | | | |
| | 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
6
7 | 0
0
1
6
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 | | |
| | males
(cont...) | | | | |
| | Inflammation | 1 | | | | | 1 | | | | | 1 | | 1 | | 1 | | | | | | | | | | | | |
| | Seminal Vesicle | + | | | |
| Testes | + | | | | |
| Germinal Epithelium, Degeneration | 1 1 1 1 2 1 | | | | |
| Germinal Epithelium, Mineralization | 1 | | | | |

HEMATOPOIETIC SYSTEM

| | | |
|-----------------------------------|---|--|
| Bone Marrow | + |
| Atrophy | 2 2 2 2 4 2 2 | |
| Myelofibrosis | 1 | |
| Pigmentation | | |
| Myeloid Cell, Hyperplasia | | |
| Lymph Node | | |
| Lymph Node, Mandibular | + |
| Atrophy | 1 1 3 2 2 2 2 | |
| Lymph Node, Mesenteric | M + | |
| Atrophy | 2 1 3 1 3 3 4 4 3 2 3 3 2 2 |
| Spleen | + |
| Hematopoietic Cell Proliferation | 2 3 | |
| Hyperplasia, Lymphoid | | |
| Infiltration Cellular, Histiocyte | 2 | |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

x .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

Page 56

TDMS No. 99023 - 04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 07/26/2007
Time Report Requested: 09:29:40
First Dose M/F: 04/11/02 / 04/10/02
Lab: BAT

| | | | | |
|------------------------------|-------------|--------------------|---|---|
| B6C3F1 MICE MALE
1.0 G/KG | DAY ON TEST | 0 | males
(cont...) | | |
| | | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 7 | 5 | 7 | 7 | 7 | 7 | 7 | 3 | 7 | 3 | 7 | 4 | 7 | 7 | 5 | 1 | | 5 | 7 |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 4 | 2 | 3 | 2 | 2 | 2 | 2 | 3 | 2 | 3 | 0 | 3 | 3 | 0 | 3 | | 0 | 2 |
| | | 5 | 4 | 4 | 4 | 4 | 4 | 4 | 9 | 2 | 9 | 0 | 9 | 8 | 9 | 3 | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 5 | | 5 | 5 |
| | ANIMAL ID | 0 | | 0 | 0 |
| | | 0 | 0 | |
| | | 1 | 1 | |
| | | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 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...)

Pigmentation, Hemosiderin
Lymphoid Follicle, Atrophy

4 2 4 3 3 3 4 4 2 2 4 1 4 4 4 3 2

Thymus
Atrophy
Hyperplasia, Lymphoid
Infiltration Cellular, Plasma Cell
Necrosis

+ + M + + + + + + + + + M + + + + + + + + M +
4 4 4 4 4 4 3 4 2 1 2 1 4 4 1 3 1 1 4 3
3

INTEGUMENTARY SYSTEM

Mammary Gland

M M

Skin
Sebaceous Gland, Hyperplasia

+ +

MUSCULOSKELETAL SYSTEM

Bone
Fibrous Osteodystrophy

+
4

Skeletal Muscle
Inflammation

NERVOUS SYSTEM

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
+ .. Tissue examined microscopically
x .. Lesion present
I .. Insufficient tissue
M .. Missing tissue
A .. Autolysis precludes evaluation
BLANK .. Not examined microscopically
1-4 .. Lesion qualified as:
1) Minimal 3) Moderate
2) Mild 4) Marked
Page 57

TDMS No. 99023 - 04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
beta-Myrcene
CAS Number: 123-35-3

Date Report Reqsted: 07/26/2007
Time Report Reqsted: 09:29:40
First Dose M/F: 04/11/02 / 04/10/02
Lab: BAT

| | | | | |
|------------------------------|-------------|--------------------|---|---|
| B6C3F1 MICE MALE
1.0 G/KG | DAY ON TEST | 0 | males
(cont...) | | |
| | | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 7 | 5 | 7 | 7 | 7 | 7 | 3 | 7 | 3 | 7 | 4 | 7 | 7 | 5 | 1 | 5 | | 7 | |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 4 | 2 | 3 | 2 | 2 | 2 | 3 | 2 | 3 | 0 | 3 | 3 | 0 | 3 | 0 | | 2 | |
| | | 5 | 4 | 4 | 4 | 4 | 4 | 4 | 9 | 2 | 9 | 0 | 9 | 8 | 9 | 3 | 0 | 4 | 0 | 0 | 0 | 0 | 5 | 5 | | 5 | 9 |
| | | | | |
| 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 | 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...)

Brain +

RESPIRATORY SYSTEM

| | |
|---|---|
| Lung | + |
| Abscess |
| Foreign Body |
| Inflammation, Suppurative |
| Inflammation, Chronic Active |
| Thrombosis | | | | | | | | | | 1 | | | | | | | | | | | | | | | |
| Alveolar Epithelium, Hyperplasia | | | | | | | | | | | | | | | 2 | | | | | | 1 | | | | |
| Alveolus, Infiltration Cellular, Histiocyte | | 4 |
| Bronchiole, Hyperplasia |
| Nose | + |
| Inflammation | | | | | | | | | | | | | | | 2 | | | | | | | | | | |
| Olfactory Epithelium, Degeneration | | | | | | | | | | | | | | | 1 | | | | | | | | | | |
| Trachea | + |

SPECIAL SENSES SYSTEM

| |
|----------------------|
| Eye | + |
| Thrombosis |
| Cornea, Inflammation | |
| Harderian Gland | + |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

x .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

Page 58

TDMS No. 99023 - 04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
beta-Myrcene
CAS Number: 123-35-3

Date Report Reqsted: 07/26/2007
Time Report Reqsted: 09:29:40
First Dose M/F: 04/11/02 / 04/10/02
Lab: BAT

| | | | |
|------------------------------|-------------|--------------------|---|
| B6C3F1 MICE MALE
1.0 G/KG | DAY ON TEST | 0 | males
(cont...) | |
| | | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 7 | 5 | 7 | 7 | 7 | 7 | 3 | 7 | 3 | 7 | 4 | 7 | 7 | 5 | 1 | 5 | | 7 |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 4 | 2 | 3 | 2 | 2 | 2 | 3 | 3 | 2 | 3 | 0 | 3 | 0 | 3 | 0 | | 2 |
| | | 5 | 4 | 4 | 4 | 4 | 4 | 4 | 9 | 2 | 9 | 0 | 9 | 8 | 9 | 3 | 0 | 4 | 0 | 0 | 0 | 5 | 5 | 5 | | 9 |
| | | | |
| B6C3F1 MICE MALE
1.0 G/KG | ANIMAL ID | 0 | males
(cont...) | |
| | | 0 | | |
| | | 1 | | |
| | | 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 |

males
(cont...)

Hyperplasia
Inflammation

2

URINARY SYSTEM

| |
|---------------------------|
| Kidney | + |
| Infarct |
| Mineralization | 1 | | | | | | | | | | | 1 | | | 2 | | | 1 | 2 | | | | | | |
| Nephropathy | | | | | | | | 3 | | | 1 | 1 | 1 | 1 | 1 | 2 | | 1 | 2 | | 1 | | | | 1 |
| Cortex, Cyst | 3 | | | | |
| Papilla, Inflammation | | | | | | | | | | | | | | | 2 | | | | | | | | | | |
| Renal Tubule, Hyperplasia | | | | | | | | | | | | | 1 | 1 | | 2 | | 1 | | 1 | | | | | |
| Renal Tubule, Necrosis | 2 | 2 | 3 | 2 | 2 | 3 | 4 | | | | | | | | 2 | | 2 | | | | | 2 | 3 | 1 | |
| Urinary Bladder | + |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

x .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

Page 59

TDMS No. 99023 - 04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 07/26/2007
Time Report Requested: 09:29:40
First Dose M/F: 04/11/02 / 04/10/02
Lab: BAT

| | |
|------------------------------|-------------|
| B6C3F1 MICE MALE
1.0 G/KG | DAY ON TEST | 0 | |
| | | 7 | 7 | 4 | 7 | 7 | 4 | 3 | 7 | 3 | 6 | 7 | 5 | 7 | 7 | 6 | 7 | 6 | 6 | 7 | 3 | 6 | 5 | 5 | 1 | 3 |
| | | 2 | 2 | 6 | 2 | 2 | 2 | 2 | 3 | 3 | 8 | 2 | 4 | 3 | 2 | 9 | 2 | 2 | 7 | 2 | 3 | 6 | 5 | 5 | 1 | 0 |
| | | 9 | 9 | 5 | 9 | 8 | 2 | 7 | 0 | 1 | 1 | 8 | 2 | 0 | 8 | 1 | 9 | 3 | 3 | 9 | 4 | 1 | 7 | 6 | 3 | 9 |
| | |
| | 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 |
| | | 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 | + | 49 |
| Inflammation | | | | | | | | | | 2 | | | | | | | 3 | | | 2 | 1 | | | | 4 | 8 2.0 |
| Necrosis | | | | | | | | | | 2 | | | | | | | 2 | | | 2 | 1 | | | | 4 | 5 2.2 |
| Gallbladder | + | M | + | 49 |
| Intestine Large, Cecum | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | A | 47 |
| Intestine Large, Colon | + | 50 |
| Intestine Large, Rectum | + | 50 |
| Intestine Small, Duodenum | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | 48 |
| Inflammation, Chronic Active | | 1 3.0 |
| Necrosis | 2 2.0 |
| Intestine Small, Ileum | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | A | 47 |
| Intestine Small, Jejunum | + | + | + | + | + | + | A | + | + | A | + | + | + | + | A | + | + | + | + | + | + | A | + | + | A | 45 |
| Liver | + | 50 |
| Abscess | 1 |
| Basophilic Focus | | | | | | | | | | | | X | | | | | | | | | X | | | | | 2 |
| Clear Cell Focus | | | | | | X | | | | | | | | | | | | | | | | | | | | 2 |
| Eosinophilic Focus | | | | X | X | | | | | | X | X | X | X | X | | X | | X | X | | | | | | 18 |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

x .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

Page 60

2) Mild 4) Marked

TDMS No. 99023 - 04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
beta-Myrcene
CAS Number: 123-35-3

Date Report Reqsted: 07/26/2007
Time Report Reqsted: 09:29:40
First Dose M/F: 04/11/02 / 04/10/02
Lab: BAT

| B6C3F1 MICE MALE
1.0 G/KG | DAY ON TEST | 0
7
2
9 | 0
7
2
9 | 0
4
6
5 | 0
7
2
9 | 0
7
2
8 | 0
4
2
2 | 0
3
2
7 | 0
7
3
0 | 0
3
3
1 | 0
6
8
1 | 0
7
2
8 | 0
5
4
2 | 0
7
3
0 | 0
6
2
8 | 0
7
7
1 | 0
6
2
9 | 0
6
7
3 | 0
7
2
3 | 0
3
6
4 | 0
6
2
1 | 0
5
5
7 | 0
5
5
6 | 0
1
1
3 | 0
3
0
9 | | |
|------------------------------|-----------------------------------|-------|--------|
| | ANIMAL ID | 0
0
1
7
6 | 0
0
1
7
7 | 0
0
1
7
8 | 0
0
1
7
9 | 0
0
1
8
0 | 0
0
1
8
1 | 0
0
1
8
2 | 0
0
1
8
3 | 0
0
1
8
4 | 0
0
1
8
5 | 0
0
1
8
6 | 0
0
1
8
7 | 0
0
1
9
8 | 0
0
1
9
9 | 0
0
1
9
0 | 0
0
1
9
1 | 0
0
1
9
2 | 0
0
1
9
3 | 0
0
1
9
4 | 0
0
1
9
5 | 0
0
1
9
6 | 0
0
1
9
7 | 0
0
1
9
8 | 0
0
1
9
9 | | |
| | * TOTALS | | |
| | Islets, Pancreatic
Hyperplasia | + | 50 | 18 1.1 |
| | Parathyroid Gland | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | 47 |
| Pituitary Gland | + | + | 49 | |
| Thyroid Gland | + | + | 50 | |
| Inflammation | | | | | | | | | | | | 1 | | | | | | | | | | | | | | 1 1.0 | |
| C-cell, Hyperplasia | | | | | | | | | | | | 1 | | | | | | | | | | | | | | 1 1.0 | |
| Follicle, Cyst | 2 | 1 2.0 | |
| Follicle, Degeneration | | 2 1.0 | |
| Follicular Cell, Hyperplasia | | | | | | | | | | | | | | | | | | | | 2 | | | | | | 2 2.0 | |

GENERAL BODY SYSTEM
NONE

GENITAL SYSTEM

| | | |
|-----------------|----|-----|
| Epididymis | + | 50 | |
| Mineralization | 1 | 1.0 |
| Preputial Gland | + | 50 | |
| Ectasia | | | | | | | | | | | | | | | | 2 | | 3 | | | | | | | | 3 | 2.3 |
| Inflammation | | | | | | | | | | | | | | 1 | | | | | | | | | | | | 2 | 1.5 |
| Prostate | + | 50 | |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

x .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

Page 63

TDMS No. 99023 - 04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 07/26/2007
Time Report Requested: 09:29:40
First Dose M/F: 04/11/02 / 04/10/02
Lab: BAT

| | | | |
|-------------------------------------|-------------|----------|--------|
| B6C3F1 MICE MALE
1.0 G/KG | DAY ON TEST | 0729 | 0729 | 0465 | 0728 | 0728 | 0427 | 0370 | 0371 | 0631 | 0758 | 0770 | 0678 | 0761 | 0767 | 0676 | 0667 | 0739 | 0034 | 0036 | 0057 | 0055 | 0011 | 0039 | | |
| | ANIMAL ID | 0017 | 0017 | 0011 | | |
| | | 177 | 177 | 117 | | |
| | | 678 | 678 | 890 | * TOTALS | |
| Inflammation | | 1 | | | | | | | | 1 | 1 | | | 1 | 1 | | | 1 | 1 | | | | | | 12 | 1.0 |
| Seminal Vesicle | | + | 50 |
| Testes | | + | 50 |
| Germinal Epithelium, Degeneration | | | | | | | 1 | 1 | | 1 | 1 | | | | | | 2 | 2 | | 2 | 1 | | 1 | | 2 | 18 1.3 |
| Germinal Epithelium, Mineralization | | | | | | | | | | 1 | | | | | | | | | | | | | | 2 | | 2 1.5 |

HEMATOPOIETIC SYSTEM

| | |
|-----------------------------------|--------|
| Bone Marrow | + | 50 |
| Atrophy | | | 2 | | | | 3 | | 3 | | 2 | | | | | | 2 | 2 | 2 | 2 | | | | | | 18 2.3 |
| Myelofibrosis | 1 1.0 |
| Pigmentation | | | | | | | | | | | | | | | | | 2 | | | | | | | | | 1 2.0 |
| Myeloid Cell, Hyperplasia | 4 | | | 1 4.0 |
| Lymph Node | | | | | | | | | | | | | | | | + | | | | | | | | | | 1 |
| Lymph Node, Mandibular | + | 49 |
| Atrophy | | | 2 | | | | 4 | | 2 | 2 | | 2 | | 1 | | 4 | 2 | 1 | 2 | 2 | 2 | 2 | | 3 | | 23 2.1 |
| Lymph Node, Mesenteric | + | + | M | + | + | + | + | + | + | + | M | + | + | + | M | M | + | + | + | + | + | M | + | + | + | 44 |
| Atrophy | | | | | 4 | 2 | 2 | 2 | 3 | 3 | | 2 | | | | 4 | 2 | | 3 | 3 | | | 4 | 2 | 2 | 28 2.6 |
| Spleen | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | 49 |
| Hematopoietic Cell Proliferation | | 1 | | | | | | | | 1 | 1 | | | 1 | | | 2 | 3 | | | | | | 4 | | 10 1.9 |
| Hyperplasia, Lymphoid | 2 | | | | | | | | | | 2 | | | | | | | | | | | | | | | 2 2.0 |
| Infiltration Cellular, Histiocyte | | 1 2.0 |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

x .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

Page 64

TDMS No. 99023 - 04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
beta-Myrcene
CAS Number: 123-35-3

Date Report Reqsted: 07/26/2007
Time Report Reqsted: 09:29:40
First Dose M/F: 04/11/02 / 04/10/02
Lab: BAT

| | | |
|------------------------------|-------------|----------|
| B6C3F1 MICE MALE
1.0 G/KG | DAY ON TEST | 0 | 0 | | |
| | | 7 | 7 | 4 | 7 | 7 | 4 | 3 | 7 | 3 | 6 | 7 | 5 | 7 | 7 | 6 | 7 | 6 | 6 | 7 | 3 | 6 | 5 | 5 | 1 | 3 |
| | | 2 | 2 | 6 | 2 | 2 | 2 | 2 | 3 | 3 | 8 | 2 | 4 | 3 | 2 | 9 | 2 | 2 | 7 | 2 | 3 | 6 | 5 | 5 | 1 | 0 |
| | | 9 | 9 | 5 | 9 | 8 | 2 | 7 | 0 | 1 | 1 | 8 | 2 | 0 | 8 | 1 | 9 | 3 | 3 | 9 | 4 | 1 | 7 | 6 | 3 | 9 |
| | ANIMAL ID | 0 | 0 |
| 0 | | 0 | 0 | |
| 1 | | 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 | |

| | | |
|---|----|--------|
| Pigmentation, Hemosiderin
Lymphoid Follicle, Atrophy | | 2 | 1.5 |
| | | 4 | 3.3 |
| | | |
| Thymus | + | 47 | |
| Atrophy | 1 | | 4 | | 2 | 4 | 4 | 2 | 4 | 2 | 2 | 4 | | | 2 | 2 | 4 | 3 | 3 | 4 | 4 | 4 | 4 | 3 | 4 | 41 3.0 |
| Hyperplasia, Lymphoid | | | | 2 | | 1 2.0 |
| Infiltration Cellular, Plasma Cell | 2 | | | 1 2.0 |
| Necrosis | | 1 3.0 |

INTEGUMENTARY SYSTEM

| | |
|------------------------------|-------|
| Mammary Gland | M | 0 |
| Skin | + | 50 |
| Sebaceous Gland, Hyperplasia | | | | | | | | 3 | | | | | | | | | | | | | | | | | | 1 3.0 |

MUSCULOSKELETAL SYSTEM

| | |
|------------------------|-------|
| Bone | + | 50 |
| Fibrous Osteodystrophy | | 1 4.0 |
| Skeletal Muscle | |
| Inflammation | + | 1 | 1 2.0 |
| | 2 | | |

NERVOUS SYSTEM

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

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

x .. Lesion present

l .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

Page 65

TDMS No. 99023 - 04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 07/26/2007
Time Report Requested: 09:29:40
First Dose M/F: 04/11/02 / 04/10/02
Lab: BAT

| B6C3F1 MICE MALE
1.0 G/KG | | DAY ON TEST | 0 | 0 |
|------------------------------|--|-------------|----|----------|
| | | | 7 | 7 | 4 | 7 | 7 | 4 | 3 | 7 | 3 | 6 | 7 | 5 | 7 | 7 | 6 | 7 | 6 | 7 | 3 | 6 | 5 | 5 | 1 | 3 | |
| | | | 2 | 2 | 6 | 2 | 2 | 2 | 2 | 3 | 3 | 8 | 2 | 4 | 3 | 2 | 9 | 2 | 2 | 7 | 2 | 3 | 6 | 5 | 5 | 1 | 0 |
| | | | 9 | 9 | 5 | 9 | 8 | 2 | 7 | 0 | 1 | 1 | 8 | 2 | 0 | 8 | 1 | 9 | 3 | 3 | 9 | 4 | 1 | 7 | 6 | 3 | 9 |
| B6C3F1 MICE 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 | 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 |
| Brain | | + | + | 50 | |

RESPIRATORY SYSTEM

| | | |
|---|----|-----|
| Lung | + | 50 | |
| Abscess | X | | 1 | |
| Foreign Body | X | | 1 | |
| Inflammation, Suppurative | | | | 1 | | 1 | 1.0 |
| Inflammation, Chronic Active | | | | | | | | | | | | | 1 | | | 1 | | | | | | | | 2 | | 3 | 1.3 |
| Thrombosis | 1 | 1.0 |
| Alveolar Epithelium, Hyperplasia | | | | | | | | | | | | 2 | 2 | | | | | | | | | | | 2 | | 5 | 1.8 |
| Alveolus, Infiltration Cellular, Histiocyte | | | 1 | | | | | | | | | | | | | 1 | | | | | | | | | | 3 | 2.0 |
| Bronchiole, Hyperplasia | | | | | | | | | | | | | | 2 | | | | | | | | | | | | 1 | 2.0 |
| Nose | + | 50 | |
| Inflammation | | | | | | | | | | 2 | | | | | | | | | | | 1 | | | | | 3 | 1.7 |
| Olfactory Epithelium, Degeneration | | | 1 | 1 | | | 1 | 2 | | | | | | | | 1 | | | | | | | | | | 6 | 1.2 |
| Trachea | + | 50 | |

SPECIAL SENSES SYSTEM

| | | | |
|----------------------|----|----|-----|
| Eye | + | 50 | | |
| Thrombosis | 3 | | | | | 1 | 3.0 |
| Cornea, Inflammation | | | | | | | | | | | | | | | | 1 | | | | | | | | | | 1 | 1.0 |
| Harderian Gland | + | 50 | |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

x .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

Page 66

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

TDMS No. 99023 - 04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
beta-Myrcene
CAS Number: 123-35-3

Date Report Reqsted: 07/26/2007
Time Report Reqsted: 09:29:40
First Dose M/F: 04/11/02 / 04/10/02
Lab: BAT

| | | |
|------------------------------|-------------|----------|
| B6C3F1 MICE MALE
1.0 G/KG | DAY ON TEST | 0 | 0 | | |
| | | 7 | 7 | 4 | 7 | 7 | 4 | 3 | 7 | 3 | 6 | 7 | 5 | 7 | 7 | 6 | 7 | 6 | 6 | 7 | 3 | 6 | 5 | 5 | 1 | 3 |
| | | 2 | 2 | 6 | 2 | 2 | 2 | 2 | 3 | 3 | 8 | 2 | 4 | 3 | 2 | 9 | 2 | 2 | 7 | 2 | 3 | 6 | 5 | 5 | 1 | 0 |
| | | 9 | 9 | 5 | 9 | 8 | 2 | 7 | 0 | 1 | 1 | 8 | 2 | 0 | 8 | 1 | 9 | 3 | 3 | 9 | 4 | 1 | 7 | 6 | 3 | 9 |
| | ANIMAL ID | 0 | 0 |
| 0 | | 0 | 0 | |
| 1 | | 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 | |

| | | | |
|--------------|---|---|-----|
| Hyperplasia | 3 | 2 | 2.5 |
| Inflammation | 4 | 1 | 4.0 |

URINARY SYSTEM

| | | |
|---------------------------|----|--------|
| Kidney | + | 50 | |
| Infarct | | | | | | | | | | 3 | | | | | | | | | | | | | | | | | 1 3.0 |
| Mineralization | | 1 | | | | | | | | | 1 | | | | | 1 | 2 | | | 1 | 1 | | | | 2 | | 12 1.3 |
| Nephropathy | 1 | 1 | 2 | 1 | 1 | | | 1 | 1 | 1 | | 1 | 1 | 1 | | 1 | | 3 | 1 | 2 | | | | | | | 27 1.3 |
| Cortex, Cyst | | | | 1 | | | | | | | | | | | | 1 | | | | | | | | | | | 3 1.7 |
| Papilla, Inflammation | | 1 2.0 |
| Renal Tubule, Hyperplasia | | | | | 1 | | 6 1.2 |
| Renal Tubule, Necrosis | | | 1 | | | | 3 | | | | | 3 | | | | 2 | | | | | | 1 | | 3 | | | 18 2.3 |
| | | |
| Urinary Bladder | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49 |

*** END OF MALE DATA ***

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

x .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

Page 67

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

TDMS No. 99023 - 04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 07/26/2007
Time Report Requested: 09:29:40
First Dose M/F: 04/11/02 / 04/10/02
Lab: BAT

| | | |
|------------------------------|-----------|-------------|
| B6C3F1 MICE FEMALE
0 G/KG | ANIMAL ID | DAY ON TEST | |
| | | 0 | 0 | |
| | | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 6 | 7 | 7 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 4 | 7 | 7 | 5 | 7 |
| | | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 9 | 2 | 2 | 0 | 2 | 2 | 2 | 2 | 9 | 2 | 2 | 4 | 2 |
| | | 8 | 8 | 9 | 7 | 7 | 7 | 8 | 8 | 8 | 2 | 7 | 8 | 3 | 2 | 7 | 6 | 8 | 7 | 9 | 8 | 7 | 7 | 8 | 0 | 7 |
| | | |
| B6C3F1 MICE 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...) | | |

ALIMENTARY SYSTEM

| |
|----------------------------------|
| Esophagus | + |
| Inflammation | | | | | | | | | | | | | | | 1 | | | | | | | | | |
| Muscularis, Degeneration | | | | | | | | | | | | | | | 1 | | | | | | | | | |
| Gallbladder | + | + | + | + | + | + | M | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Large, Cecum | + |
| Intestine Large, Colon | + |
| Intestine Large, Rectum | + |
| Intestine Small, Duodenum | + |
| Intestine Small, Ileum | + |
| Intestine Small, Jejunum | + |
| Liver | + |
| Angiectasis | | | | | | | | | | | | | | | | | | | 2 | | | | | |
| Basophilic Focus | X | |
| Eosinophilic Focus |
| Fatty Change | 2 | 2 | 1 | 1 | | | | 2 | | 2 | 2 | 1 | 1 | | | | | 1 | 2 | | 3 | 2 | 2 | 2 |
| Hematopoietic Cell Proliferation | | | | | | | | | | | 1 | | | | 1 | | | | | | | | | 2 |
| Inflammation, Chronic Active | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | 1 | 1 | 1 | 1 | 2 | 1 | 1 | 1 | 1 | 1 | | 1 | 1 | 1 |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

x .. Lesion present

l .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

Page 68

TDMS No. 99023 - 04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 07/26/2007
Time Report Requested: 09:29:40
First Dose M/F: 04/11/02 / 04/10/02
Lab: BAT

| | | |
|------------------------------|-------------|----------------------|
| B6C3F1 MICE FEMALE
0 G/KG | DAY ON TEST | 0 | |
| | | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 6 | 7 | 7 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 4 | 7 | 7 | 5 | 7 |
| | | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 9 | 2 | 2 | 2 | 2 | 2 | 2 | 9 | 2 | 2 | 4 | 2 |
| | | 8 | 8 | 9 | 7 | 7 | 7 | 8 | 8 | 8 | 2 | 7 | 8 | 3 | 2 | 7 | 6 | 8 | 7 | 9 | 8 | 7 | 8 | 0 | 7 |
| | | |
| B6C3F1 MICE FEMALE
0 G/KG | ANIMAL ID | 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 | 4 |
| | | females
(cont...) |

females
(cont...)

Blood Vessel
Inflammation, Chronic Active
Mineralization
Media, Degeneration

+

3

Heart
Cardiomyopathy
Inflammation
Mineralization
Coronary Artery, Inflammation
Valve, Thrombosis

+
1
2 3

ENDOCRINE SYSTEM

Adrenal Cortex
Subcapsular, Hyperplasia
Zona Fasciculata, Hyperplasia

+
3 3 3 3 3 3 3 3 3 3 3 2 3 3 3 3 3 3 3 3 1 3 3 3 3

Adrenal Medulla
Hyperplasia

+
2

Islets, Pancreatic

+ +

Parathyroid Gland
Hyperplasia
Infiltration Cellular, Lymphocyte

+ + + + + + + + + + + + + + + M + + + + + + + +
1

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

x .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

Page 70

TDMS No. 99023 - 04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 07/26/2007
Time Report Requested: 09:29:40
First Dose M/F: 04/11/02 / 04/10/02
Lab: BAT

| | | | |
|------------------------------|---|----------------------|--|
| B6C3F1 MICE FEMALE
0 G/KG | DAY ON TEST | 0
7
2
8 | 0
7
2
8 | 0
7
2
9 | 0
7
2
7 | 0
7
2
7 | 0
7
2
7 | 0
7
2
8 | 0
7
2
8 | 0
7
2
8 | 0
6
2
2 | 0
7
2
7 | 0
7
2
8 | 0
6
2
3 | 0
6
2
2 | 0
7
2
7 | 0
7
2
6 | 0
7
2
8 | 0
7
2
9 | 0
7
2
8 | 0
4
2
7 | 0
7
2
7 | 0
7
2
8 | 0
5
4
0 | 0
7
2
7 | females
(cont...) | |
| | 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
1 | 0
0
2
1
1 | 0
0
2
1
1 | 0
0
2
1
1 | 0
0
2
1
1 | 0
0
2
1
1 | 0
0
2
2
0 | 0
0
2
2
1 | 0
0
2
2
2 | 0
0
2
2
2 | 0
0
2
2
3 | 0
0
2
2
4 | 0
0
2
2
5 | | |
| | Pituitary Gland
Pars Distalis, Hyperplasia | + | | |
| | Thyroid Gland
Inflammation
Follicle, Cyst
Follicle, Degeneration
Follicular Cell, Hyperplasia | + | + | + | + | + | + | + | + | + | + | 1 | + | + | + | + | + | + | + | + | + | + | + | + | + | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| GENERAL BODY SYSTEM | | | |
| NONE | | | |
| GENITAL SYSTEM | | | |
| Clitoral Gland | | + | M | + | + | + | | |
| Ovary | | + | | |
| Angiectasis | | | |
| Atrophy | | | 3 | 2 | 3 | 3 | 3 | | 1 | | 3 | 2 | 3 | 4 | 2 | 3 | 3 | 4 | 1 | 4 | 2 | 3 | 1 | 2 | | | |
| Thrombosis | | | |
| Follicle, Cyst | | | | | | 2 | | | | | | | | | | | | | | 3 | | | | | | | |
| Germinal Epithelium, Cyst | | | |
| Uterus | | + | | | |
| Endometrium, Hyperplasia | | 3 | 3 | 3 | 4 | 4 | 4 | 2 | 2 | 4 | 1 | 2 | 2 | 1 | 3 | 2 | 4 | 3 | | 2 | 4 | | 4 | 2 | 4 | 1 | |

GENERAL BODY SYSTEM
NONE

GENITAL SYSTEM

| |
|---------------------------|
| Clitoral Gland | + | M | + | + | + |
| Ovary | + |
| Angiectasis |
| Atrophy | | | 3 | 2 | 3 | 3 | 3 | | 1 | | 3 | 2 | 3 | 4 | 2 | 3 | 2 | 3 | 3 | 4 | 1 | 4 | 2 | 3 | 1 | 2 |
| Thrombosis |
| Follicle, Cyst | | | | | | 2 | | | | | | | | | | | | | | 3 | | | | | | |
| Germinal Epithelium, Cyst | |
| Uterus | + |
| Endometrium, Hyperplasia | 3 | 3 | 3 | 4 | 4 | 4 | 2 | 2 | 4 | 1 | 2 | 2 | 1 | 3 | 2 | 4 | 3 | | | 2 | 4 | | 4 | 2 | 4 | 1 |

HEMATOPOIETIC SYSTEM

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

x .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

Page 71

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

TDMS No. 99023 - 04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
beta-Myrcene
CAS Number: 123-35-3

Date Report Reqsted: 07/26/2007
Time Report Reqsted: 09:29:40
First Dose M/F: 04/11/02 / 04/10/02
Lab: BAT

| | | 0 | 0 |
|--|--|-------------------|
| DAY ON TEST | | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 6 | 7 | 7 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 4 | 7 | 7 | 5 | 7 | |
| | | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 9 | 2 | 2 | 0 | 2 | 2 | 2 | 2 | 9 | 2 | 2 | 4 | 2 |
| | | 8 | 8 | 9 | 7 | 7 | 7 | 8 | 8 | 8 | 2 | 7 | 8 | 3 | 2 | 7 | 6 | 8 | 7 | 9 | 8 | 7 | 7 | 8 | 0 | 7 |
| | | |
| B6C3F1 MICE FEMALE | | 0 | 0 | |
| | | 0 | 0 | |
| 0 G/KG | | 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...) | |
| Bone Marrow | | |
| Atrophy | | + | + | |
| Myelofibrosis | | | 2 | 1 | 2 | | | | | 1 | | | 1 | | | | | | | | | | 2 | | | |
| Myeloid Cell, Hyperplasia | | | | | | | | | | 2 | | | | | | 1 | | | | | | | 1 | 1 | | |
| | | |
| Lymph Node | | | | + | | | | | | | | | | | | | | | | | + | | | | | |
| Bronchial, Hyperplasia, Lymphoid | | |
| Inguinal, Infiltration Cellular, Plasma Cell | | |
| Renal, Amyloid Deposition | | |
| Renal, Ectasia | | |
| Renal, Infiltration Cellular, Plasma Cell | | |
| | | |
| Lymph Node, Mandibular | | + | + | |
| Amyloid Deposition | | |
| Atrophy | | | | | | | | | | | 2 | | | | | | | | | | | | | | | |
| Hyperplasia, Lymphoid | | | | | | | | | | | | | | 3 | | 3 | | | | | | | | | | |
| Infiltration Cellular, Plasma Cell | | |
| | | |
| Lymph Node, Mesenteric | | + | + | + | + | + | + | + | + | | + | | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Atrophy | | | | | | | | | | | 2 | | | | | 2 | | | 2 | | | | | 2 | | |
| Hyperplasia, Lymphoid | | | 1 | |
| | | |
| Spleen | | + | + | |
| Amyloid Deposition | | |
| Hematopoietic Cell Proliferation | | | 1 | 1 | 1 | | 2 | 1 | 2 | | 4 | 1 | | 3 | 3 | 1 | 1 | | 1 | 1 | | 3 | 1 | 1 | | 2 |
| Hyperplasia, Lymphoid | | | | | | | | | | 2 | | | | | | | 2 | | | 2 | | | | | | |
| Infiltration Cellular, Plasma Cell | | |
| Pigmentation, Hemosiderin | | | 1 | | 1 | | 1 | | 2 | 1 | | 1 | 1 | | | | | | | | | | | 1 | | |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

x .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

Page 72

TDMS No. 99023 - 04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 07/26/2007
Time Report Requested: 09:29:40
First Dose M/F: 04/11/02 / 04/10/02
Lab: BAT

| | | | | |
|------------------------------|-------------|----------------------|---|---|
| B6C3F1 MICE FEMALE
0 G/KG | DAY ON TEST | 0 | females
(cont...) | | |
| | | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 6 | 7 | 7 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 4 | 7 | 7 | 5 | | 7 | |
| | | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 9 | 2 | 2 | 0 | 2 | 2 | 2 | 2 | 9 | 2 | 2 | 4 | | 2 | |
| | | 8 | 8 | 9 | 7 | 7 | 7 | 8 | 8 | 8 | 2 | 7 | 8 | 3 | 2 | 7 | 6 | 8 | 7 | 9 | 8 | 7 | 7 | 8 | | 0 | 7 |
| | | | | |
| B6C3F1 MICE FEMALE
0 G/KG | ANIMAL ID | 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 | 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 |

RESPIRATORY SYSTEM

| | |
|--|---|
| Lung | + |
| Inflammation, Chronic Active | 1 | |
| Alveolar Epithelium, Hyperplasia |
| Alveolus, Infiltration Cellular, Histocyte | | 2 |
| Bronchiole, Hyperplasia |
| Serosa, Fibrosis, Focal | | | | | | | | | | 3 | | | | | | | | | | | | | | |
| Nose | + |
| Olfactory Epithelium, Degeneration |
| Respiratory Epithelium, Hyperplasia | | | | | | | | | | | | | | | 2 | | | | | | | | | |
| Trachea | + |

SPECIAL SENSES SYSTEM

| |
|----------------------|
| Eye | + |
| Synechia | | | | | | | | | | | | | | | | 4 | | | | | | | | |
| Cornea, Inflammation | | | | | | | | | | | | | | | | 3 | | | | | | | | |
| Harderian Gland | + |
| Fibrosis | 3 |
| Hyperplasia | 1 |

URINARY SYSTEM

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

x .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

Page 74

TDMS No. 99023 - 04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 07/26/2007
Time Report Requested: 09:29:40
First Dose M/F: 04/11/02 / 04/10/02
Lab: BAT

| | | 0 | 0 |
|-----------------------------------|--|-------------------|
| DAY ON TEST | | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 6 | 7 | 7 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 4 | 7 | 7 | 5 | 7 | |
| | | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 9 | 2 | 2 | 0 | 2 | 2 | 2 | 9 | 2 | 2 | 4 | 2 | |
| | | 8 | 8 | 9 | 7 | 7 | 7 | 8 | 8 | 8 | 2 | 7 | 8 | 3 | 2 | 7 | 6 | 8 | 7 | 9 | 8 | 7 | 8 | 0 | 7 | |
| B6C3F1 MICE FEMALE | | 0 | 0 | |
| 0 G/KG | | 0 | 0 | |
| ANIMAL ID | | 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...) | |
| Kidney | | |
| Infarct | | + | + | |
| Infiltration Cellular, Lymphocyte | | 1 |
| Mineralization | | 3 |
| Nephropathy | | 1 | 2 | 1 | 1 | | 1 | 1 | 1 | | | | 3 | | | | | | | | | 1 | | | | |
| Cortex, Cyst | | 1 |
| Glomerulus, Amyloid Deposition | | 3 |
| Papilla, Inflammation | | 2 |
| Papilla, Necrosis | | |
| Renal Tubule, Necrosis | | |
| Urinary Bladder | | |
| Infiltration Cellular, Lymphocyte | | + | + | 2 | |

Page 76

TDMS No. 99023 - 04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 07/26/2007
Time Report Requested: 09:29:40
First Dose M/F: 04/11/02 / 04/10/02
Lab: BAT

| | | |
|------------------------------|-------------|----------|
| | DAY ON TEST | 0 | 0 | |
| | | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 6 | 7 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 4 | 7 |
| | | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 6 | 2 | 4 | 8 | 2 | 2 | 2 | 2 | 2 | 2 | 8 | 2 |
| | | 8 | 9 | 7 | 8 | 7 | 7 | 8 | 7 | 1 | 9 | 9 | 8 | 8 | 4 | 7 | 3 | 9 | 8 | 7 | 7 | 7 | 9 | 9 | 5 | 8 |
| B6C3F1 MICE FEMALE
0 G/KG | ANIMAL ID | 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 | |

| | |
|-------------------------------|-------|
| Blood Vessel | 2 |
| Inflammation, Chronic Active | 1 2.0 |
| Mineralization | 1 3.0 |
| Media, Degeneration | 1 2.0 |
| Heart | + | 50 |
| Cardiomyopathy | 7 1.0 |
| Inflammation | 1 3.0 |
| Mineralization | 1 1.0 |
| Coronary Artery, Inflammation | | 1 2.0 |
| Valve, Thrombosis | 2 3.0 |

ENDOCRINE SYSTEM

| | |
|-----------------------------------|--------|
| Adrenal Cortex | + | 50 |
| Subcapsular, Hyperplasia | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 2 | 3 | 2 | 3 | 3 | 3 | 3 | 3 | 2 | 3 | 3 | 3 | 2 | 3 | 2 | 3 | 3 | 50 2.8 |
| Zona Fasciculata, Hyperplasia | 1 2.0 |
| Adrenal Medulla | + | 50 |
| Hyperplasia | 1 2.0 |
| Islets, Pancreatic | + | 50 |
| Parathyroid Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | M | + | + | + | + | 47 |
| Hyperplasia | | | | | | | | | | | | | | | | | 2 | | | | | | | | | 1 2.0 |
| Infiltration Cellular, Lymphocyte | | 1 1.0 |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

x .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

Page 78

TDMS No. 99023 - 04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 07/26/2007
Time Report Requested: 09:29:40
First Dose M/F: 04/11/02 / 04/10/02
Lab: BAT

| | | DAY ON TEST | 0 |
|--|--|-------------|
|--|--|-------------|

HEMATOPOIETIC SYSTEM

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

x .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

Page 79

2) Mild 4) Marked

Page 82

TDMS No. 99023 - 04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 07/26/2007
Time Report Requested: 09:29:40
First Dose M/F: 04/11/02 / 04/10/02
Lab: BAT

| | | | |
|---------------------------------|-----------|-------------|----------------------|
| B6C3F1 MICE FEMALE
0.25 G/KG | ANIMAL ID | DAY ON TEST | | females
(cont...) |
| | | 0 | 0 | | |
| | | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 5 | 7 | 7 | 7 | 5 | 7 | 7 | 7 | 7 | 7 | 5 | 5 | 7 | 7 | 7 | 7 | | |
| | | 1 | 3 | 2 | 2 | 2 | 1 | 2 | 9 | 2 | 2 | 1 | 2 | 9 | 2 | 2 | 2 | 2 | 0 | 3 | 2 | 2 | 2 | 0 | | |
| | | 7 | 1 | 9 | 9 | 9 | 6 | 8 | 4 | 8 | 8 | 6 | 7 | 4 | 8 | 9 | 9 | 9 | 7 | 9 | 8 | 7 | 9 | 6 | | |
| | | | |
| B6C3F1 MICE FEMALE
0.25 G/KG | ANIMAL ID | 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 | |

ALIMENTARY SYSTEM

| |
|----------------------------------|
| Esophagus | + |
| Inflammation |
| Gallbladder | + |
| Intestine Large, Cecum | + |
| Intestine Large, Colon | + |
| Intestine Large, Rectum | + |
| Intestine Small, Duodenum | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Small, Ileum | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Small, Jejunum | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Serosa, Fibrosis |
| Liver | + |
| Angiectasis |
| Basophilic Focus |
| Clear Cell Focus |
| Eosinophilic Focus | | | | | X | | | | X | | | | | | | | | | | | | | X | |
| Fatty Change | 1 | 2 | 1 | 1 | 1 | | 1 | | | 1 | 2 | 1 | 1 | 2 | 1 | 1 | 1 | 1 | | 2 | | 1 | 1 | 1 |
| Hematopoietic Cell Proliferation | | | | | | | | | | | | | | | | | | | | 2 | | | | 3 |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

x .. Lesion present

l .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

Page 84

TDMS No. 99023 - 04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
beta-Myrcene
CAS Number: 123-35-3

Date Report Reqsted: 07/26/2007
Time Report Reqsted: 09:29:40
First Dose M/F: 04/11/02 / 04/10/02
Lab: BAT

| DAY ON TEST | | 0 | 0 |
|---------------------------------------|--|-------------------|
| | | 7 | 6 | 7 | 7 | 7 | 7 | 5 | 7 | 7 | 7 | 7 | 5 | 7 | 7 | 7 | 7 | 7 | 7 | 5 | 5 | 7 | 7 | 7 | 7 | 7 |
| | | 1 | 3 | 2 | 2 | 2 | 1 | 2 | 9 | 2 | 2 | 1 | 2 | 9 | 2 | 2 | 2 | 2 | 2 | 2 | 0 | 3 | 2 | 2 | 2 | 0 |
| | | 7 | 1 | 9 | 9 | 9 | 6 | 8 | 4 | 8 | 8 | 6 | 7 | 4 | 8 | 9 | 9 | 7 | 9 | 8 | 3 | 2 | 8 | 7 | 9 | 6 |
| B6C3F1 MICE FEMALE | | 0 | 0 |
| ANIMAL ID | | 0 | 0 |
| 0.25 G/KG | | 2 | 2 |
| | | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 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 |
| | | females (cont...) | |
| Infiltration Cellular, Lymphocyte | | 1 | | 1 | 1 | 1 | | 1 | | 1 | 1 | | 1 | | 1 | 2 | 1 | 1 | 1 | | 3 | | | 1 | 1 | |
| Inflammation, Chronic Active | | |
| Mixed Cell Focus | | | X | |
| Necrosis | | | | | | | | | | | | | | | | | | | | | 2 | 1 | | | | |
| Regeneration | | | | | | | | | | | | | 3 | | | | | | | | | | | | | |
| Tension Lipidosis | | |
| Vacuolization Cytoplasmic | | 2 | 2 | | | | | | | | | 2 | | 4 | | | | | | | 2 | 1 | | | | |
| Bile Duct, Hyperplasia | | | | | | | | | | | | | | | | | | | | 2 | | | | | | |
| Mesentery | | + | | | + | | + | + | | + | + | | | | | | | | | | + | + | | | | + |
| Fat, Necrosis | | | | | 3 | | 3 | 2 | | 3 | 1 | | | | | | | | | | | 4 | | | | |
| Pancreas | | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Atrophy | | | 3 | | |
| Acinus, Cytoplasmic Alteration, Focal | | | | | | | | | | | | | | | | | | | 1 | | | | | | | |
| Salivary Glands | | + | + |
| Infiltration Cellular, Lymphocyte | | |
| Stomach, Forestomach | | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Inflammation | | 1 | | | | | | | | | | 2 | | 1 | | | 2 | | | | | | | | | |
| Ulcer | | | | | | | | | | | | 2 | | | | | | | | | | | | | | 2 |
| Epithelium, Hyperplasia | | | | | | | | | | | | 2 | | 2 | | | 2 | | | | 1 | | 1 | 1 | 1 | 2 |
| Stomach, Glandular | | + | + |
| Tooth | | |
| Dysplasia | | |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

x .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

Page 85

TDMS No. 99023 - 04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
beta-Myrcene
CAS Number: 123-35-3

Date Report Reqsted: 07/26/2007
Time Report Reqsted: 09:29:40
First Dose M/F: 04/11/02 / 04/10/02
Lab: BAT

| | | | | |
|-------------------------------------|---|-----------|----------------------|---|
| DAY ON TEST | | 0 | 0 | | | | |
| | | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 5 | 7 | 7 | 7 | 5 | 7 | 7 | 7 | 7 | 7 | 5 | 5 | 7 | 7 | 7 | 7 | | | | |
| | | 1 | 3 | 2 | 2 | 2 | 1 | 2 | 9 | 2 | 2 | 1 | 2 | 9 | 2 | 2 | 2 | 2 | 0 | 3 | 2 | 2 | 2 | 0 | | | | |
| | | 7 | 1 | 9 | 9 | 9 | 6 | 8 | 4 | 8 | 8 | 6 | 7 | 4 | 8 | 9 | 9 | 7 | 9 | 8 | 3 | 2 | 8 | 7 | | 9 | 6 | |
| B6C3F1 MICE FEMALE

0.25 G/KG | | | | |
| | | ANIMAL ID | | 0 | females
(cont...) | |
| | | | | 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 | | | | |

CARDIOVASCULAR SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---------------------------|---|---|---|---|---|---|---|---|---|---|---|--|--|--|--|--|--|--|--|--|--|---|---|---|---|---|
| Blood Vessel | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Mineralization | | | | | | | | | | | + | | | | | | | | | | | + | | | | |
| | | | | | | | | | | | 4 | | | | | | | | | | | 2 | | | | |
| Heart | + | + | + | + | + | + | + | + | + | + | + | | | | | | | | | | | + | + | + | + | + |
| Cardiomyopathy | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Degeneration | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Inflammation | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Mineralization | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Pigmentation, Hemosiderin | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Epicardium, Inflammation | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Valve, Thrombosis | | | | | | | | | | | | | | | | | | | | | | | | | | |

ENDOCRINE SYSTEM

| | |
|--|---|
| Adrenal Cortex | + |
| Capsule, Fibrosis |
| Capsule, Infiltration Cellular, Lymphocyte | |
| Subcapsular, Hyperplasia | 2 | 3 | 3 | 2 | 3 | 3 | 3 | 2 | 3 | 3 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 2 | 3 | 3 | 3 | 3 | 2 |
| Zona Fasciculata, Hyperplasia |
| Adrenal Medulla | + |
| Hyperplasia |
| | |
| Islets, Pancreatic | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

x .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

Page 86

TDMS No. 99023 - 04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 07/26/2007
Time Report Requested: 09:29:40
First Dose M/F: 04/11/02 / 04/10/02
Lab: BAT

| DAY ON TEST | | 0 | 0 | | | |
|------------------------------|--|-----------|--|----------------------|
| | | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 5 | 7 | 7 | 7 | 7 | 5 | 7 | 7 | 7 | 7 | 7 | 7 | 5 | 5 | 7 | 7 | 7 | 7 | | |
| B6C3F1 MICE FEMALE | | 1 | 3 | 2 | 2 | 2 | 1 | 2 | 9 | 2 | 2 | 1 | 2 | 9 | 2 | 2 | 2 | 2 | 2 | 2 | 0 | 3 | 2 | 2 | 2 | 0 | | |
| | | 7 | 1 | 9 | 9 | 9 | 6 | 8 | 4 | 8 | 8 | 6 | 7 | 4 | 8 | 9 | 9 | 7 | 9 | 8 | 3 | 2 | 8 | 7 | 9 | 6 | | |
| 0.25 G/KG | | ANIMAL ID | | females
(cont...) |
| | | 0 | 0 | | |
| | | 0 | 0 | | |
| | | 2 | 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 | | |
| Parathyroid Gland Cyst | | + | + | + | + | + | + | + | + | + | + | + | + | + | M | M | + | M | + | + | M | M | M | + | M | + | | |
| Pituitary Gland | | + | + | | |
| Pars Distalis, Hyperplasia | | | | |
| Pars Nervosa, Inflammation | | | | |
| Thyroid Gland | | + | + | | |
| Inflammation | | | | |
| Follicle, Cyst | | | | |
| Follicular Cell, Hyperplasia | | | | |

GENERAL BODY SYSTEM
NONE

GENITAL SYSTEM

| | |
|---|---|
| Clitoral Gland | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + |
| Ovary
Angiectasis
Atrophy
Inflammation, Granulomatous
Corpus Luteum, Cyst
Follicle, Cyst
Germinal Epithelium, Cyst
Periovarian Tissue, Cyst
Rete Ovarii, Cyst | + |
| | 4 | 3 | | 3 | 3 | 4 | 3 | 3 | 4 | 3 | 4 | 4 | 3 | 3 | 4 | 4 | 4 | 2 | 4 | 2 | 3 | 3 | 3 | 2 | |
| | | 4 |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

x .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

Page 87

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

TDMS No. 99023 - 04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
beta-Myrcene
CAS Number: 123-35-3

Date Report Reqsted: 07/26/2007
Time Report Reqsted: 09:29:40
First Dose M/F: 04/11/02 / 04/10/02
Lab: BAT

| | | | | |
|---------------------------------|-------------|----------------------|---|---|
| B6C3F1 MICE FEMALE
0.25 G/KG | DAY ON TEST | 0 | females
(cont...) | | |
| | | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 5 | 7 | 7 | 7 | 5 | 7 | 7 | 7 | 7 | 7 | 7 | 5 | 5 | 7 | 7 | 7 | | 7 | |
| | | 1 | 3 | 2 | 2 | 2 | 1 | 2 | 9 | 2 | 2 | 1 | 2 | 9 | 2 | 2 | 2 | 2 | 2 | 0 | 3 | 2 | 2 | 2 | | 0 | |
| | | 7 | 1 | 9 | 9 | 9 | 6 | 8 | 4 | 8 | 8 | 6 | 7 | 4 | 8 | 9 | 9 | 9 | 7 | 9 | 8 | 3 | 2 | 8 | | 7 | 9 |
| | | 6 | | | |
| ANIMAL ID | 0 | 0 | females
(cont...) | | |
| | 0 | 0 | | 0 | |
| | 2 | 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 | | 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 | + |
| Angiectasis | | | | 2 | |
| Endometrium, Hyperplasia | | | 4 | | 2 | 4 | 2 | | | | | 3 | 4 | 1 | | 3 | 3 | 3 | 2 | 1 | | 1 | 1 | 1 | 2 |

HEMATOPOIETIC SYSTEM

| |
|------------------------------------|
| Bone Marrow | + |
| Myelofibrosis | | | | | 1 | | 1 | | | | | | | | | | | | | 1 | | | | | |
| Necrosis |
| Myeloid Cell, Hyperplasia |
| Lymph Node | + | | | | | + | | | | | | | | | | | | | + | | | | | | + |
| Lymph Node, Mandibular | + |
| Atrophy | | | | 1 | | | 1 | | | | 1 | | | | | | | | | 2 | 1 | | 1 | | |
| Hyperplasia, Lymphoid | | | | | 3 | |
| Lymph Node, Mesenteric | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + |
| Atrophy | | | | | | | | | | | 2 | | 2 | | | | | 2 | | | | | | | |
| Spleen | + |
| Hematopoietic Cell Proliferation | 2 | 3 | 2 | 2 | 1 | | | 3 | 4 | 1 | 2 | 2 | | | 1 | 2 | 1 | 1 | | | | 2 | 1 | 1 | 1 |
| Hyperplasia, Lymphoid | 3 | | | | 2 | |
| Infiltration Cellular, Plasma Cell | | | | | | | | | | | | | | | | | | | 2 | | | | | | |
| Pigmentation, Hemosiderin | | | | 1 | | | | | | 1 | 1 | | 2 | 1 | | 1 | | | | | | | | | |
| Lymphoid Follicle, Atrophy | | 2 | | | | | | | | | 4 | | 3 | | | | | | | 4 | 3 | | | | |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

x .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

Page 88

TDMS No. 99023 - 04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
beta-Myrcene
CAS Number: 123-35-3

Date Report Reqsted: 07/26/2007
Time Report Reqsted: 09:29:40
First Dose M/F: 04/11/02 / 04/10/02
Lab: BAT

| | | |
|--------------------|-------------|-------------------|
| | DAY ON TEST | 0 |
| | | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 5 | 7 | 7 | 7 | 5 | 7 | 7 | 7 | 7 | 7 | 5 | 5 | 7 | 7 | 7 | 7 |
| | | 1 | 3 | 2 | 2 | 2 | 1 | 2 | 9 | 2 | 2 | 1 | 2 | 9 | 2 | 2 | 2 | 2 | 0 | 3 | 2 | 2 | 2 | 0 |
| | | 7 | 1 | 9 | 9 | 9 | 6 | 8 | 4 | 8 | 8 | 6 | 7 | 4 | 8 | 9 | 9 | 7 | 9 | 8 | 3 | 2 | 8 | 7 |
| B6C3F1 MICE FEMALE | ANIMAL ID | 0 |
| | | 0 |
| | | 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 |
| 0.25 G/KG | | females (cont...) |

| |
|------------------------------------|
| Thymus | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + |
| Atrophy | 4 | | | | 2 | | 4 | | 4 | 1 | | | | 4 | | | | | | | 4 | | | | |
| Infiltration Cellular, Plasma Cell | |
| Inflammation |

INTEGUMENTARY SYSTEM

| |
|--------------------------------------|
| Mammary Gland | + |
| Skin | + |
| Hair Follicle, Inflammation, Diffuse | |
| Subcutaneous Tissue, Fibrosis |

MUSCULOSKELETAL SYSTEM

| |
|-----------------|
| Bone | + |
| Skeletal Muscle | | | | | | | + | | | | | | | | | | | | | | + | | | + | |
| Inflammation | 2 | | | | |

NERVOUS SYSTEM

| |
|-------------------------------|
| Brain | + |
| Medulla, Demyelination, Focal | |
| Peripheral Nerve | + |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

x .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

Page 89

TDMS No. 99023 - 04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
beta-Myrcene
CAS Number: 123-35-3

Date Report Reqsted: 07/26/2007
Time Report Reqsted: 09:29:40
First Dose M/F: 04/11/02 / 04/10/02
Lab: BAT

| | | | | |
|-------------------------------------|---|-----------|----------------------|---|
| DAY ON TEST | | 0 | 0 | | | | |
| | | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 5 | 7 | 7 | 7 | 5 | 7 | 7 | 7 | 7 | 7 | 5 | 5 | 7 | 7 | 7 | 7 | | | | |
| | | 1 | 3 | 2 | 2 | 2 | 1 | 2 | 9 | 2 | 2 | 1 | 2 | 9 | 2 | 2 | 2 | 2 | 0 | 3 | 2 | 2 | 2 | 0 | | | | |
| | | 7 | 1 | 9 | 9 | 9 | 6 | 8 | 4 | 8 | 8 | 6 | 7 | 4 | 8 | 9 | 9 | 7 | 9 | 8 | 3 | 2 | 8 | 7 | | 9 | 6 | |
| B6C3F1 MICE FEMALE

0.25 G/KG | | | | |
| | | ANIMAL ID | | 0 | females
(cont...) | |
| | | | | 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 | | | | |

RESPIRATORY SYSTEM

| | |
|--|---|
| Lung | + |
| Inflammation, Suppurative |
| Inflammation, Chronic Active | | | | | 1 | | | | | | | | | | | | | | | | | | | |
| Alveolar Epithelium, Hyperplasia | | | | | | | | 2 | | | | | | | 1 | | | | | | | 2 | | |
| Bronchiole, Hyperplasia | | | | | | | | | | | | | | | 2 | | | | | | | | | |
| Nose | + |
| Olfactory Epithelium, Degeneration | | | | | | | | | | | | | 1 | | 1 | 1 | | | | | | | | 1 |
| Olfactory Epithelium, Metaplasia,
Respiratory | |
| Trachea | + |

SPECIAL SENSES SYSTEM

| |
|----------------------|
| Eye | + |
| Cornea, Inflammation | | | | | | | | 2 | | | | | | | | | | | | | | | | |
| Harderian Gland | + |
| Hyperplasia | | | | | | | | | | | | | | | | | | 2 | | | | | | |

URINARY SYSTEM

Page 92

TDMS No. 99023 - 04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 07/26/2007
Time Report Requested: 09:29:40
First Dose M/F: 04/11/02 / 04/10/02
Lab: BAT

| | | |
|--------------------|-------------|----------|
| | DAY ON TEST | 0 |
| | | 7 | 7 | 7 | 6 | 7 | 1 | 7 | 7 | 7 | 7 | 7 | 4 | 7 | 4 | 7 | 7 | 7 | 6 | 5 | 7 | 7 | 7 | 7 | 7 |
| | | 2 | 2 | 2 | 0 | 2 | 3 | 2 | 2 | 2 | 2 | 2 | 0 | 5 | 2 | 2 | 2 | 9 | 3 | 2 | 2 | 2 | 2 | 2 | 2 |
| | | 7 | 8 | 9 | 8 | 9 | 9 | 7 | 9 | 8 | 8 | 8 | 3 | 9 | 4 | 7 | 8 | 8 | 8 | 3 | 7 | 8 | 7 | 7 | 8 |
| B6C3F1 MICE FEMALE | ANIMAL ID | 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 |
| 0.25 G/KG | | * TOTALS |

CARDIOVASCULAR SYSTEM

| | |
|---------------------------|-------|
| Blood Vessel | 2 |
| Mineralization | 2 3.0 |
| Heart | + | 50 |
| Cardiomyopathy | 1 1.0 |
| Degeneration | 1 2.0 |
| Inflammation | 2 4.0 |
| Mineralization | 2 1.5 |
| Pigmentation, Hemosiderin | | 1 1.0 |
| Epicardium, Inflammation | 1 3.0 |
| Valve, Thrombosis | 2 4.0 |

ENDOCRINE SYSTEM

| | |
|--|--------|
| Adrenal Cortex | + | 50 |
| Capsule, Fibrosis | 1 2.0 |
| Capsule, Infiltration Cellular, Lymphocyte | | 1 2.0 |
| Subcapsular, Hyperplasia | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 2 | 3 | 2 | 2 | 2 | 3 | 2 | 3 | 2 | 3 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 50 2.7 |
| Zona Fasciculata, Hyperplasia | 2 1.0 |
| Adrenal Medulla | + | 50 |
| Hyperplasia | 2 3.0 |
| Islets, Pancreatic | + | 49 |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

x .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

Page 94

TDMS No. 99023 - 04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 07/26/2007
Time Report Requested: 09:29:40
First Dose M/F: 04/11/02 / 04/10/02
Lab: BAT

| | | DAY ON TEST | 0</ |
|--|--|-------------|-----|
|--|--|-------------|-----|

GENERAL BODY SYSTEM
NONE

GENITAL SYSTEM

| | |
|-----------------------------|--------|
| Clitoral Gland | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 |
| Ovary | + | 50 |
| Angiectasis | | | | | | | | | | | | | | | | 3 | | | | | | | | 2 | | | 2 2.5 |
| Atrophy | 3 | 3 | 4 | 3 | 4 | | 3 | 3 | 3 | 4 | 3 | 1 | 4 | 1 | 4 | 4 | | | | | 3 | 4 | 4 | 2 | 3 | 3 | 44 3.2 |
| Inflammation, Granulomatous | | 1 1.0 |
| Corpus Luteum, Cyst | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | 2 1.0 |
| Follicle, Cyst | | | | | | | | 1 | | | | | | | | 1 | 3 | | 1 | | | | | | | | 4 1.5 |
| Germinal Epithelium, Cyst | | | | | | | | | | | 2 | | | | | | | | | | | 1 | | | | | 2 1.5 |
| Periovarian Tissue, Cyst | | | | | | | | | | | | | | | 2 | | | | | | | | | | | | 1 2.0 |
| Rete Ovarii, Cyst | 1 4.0 |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

x .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

Page 95

TDMS No. 99023 - 04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 07/26/2007
Time Report Requested: 09:29:40
First Dose M/F: 04/11/02 / 04/10/02
Lab: BAT

| | | |
|--------------------|-------------|----------|
| | DAY ON TEST | 0 | |
| | | 7 | 7 | 7 | 6 | 7 | 1 | 7 | 7 | 7 | 7 | 7 | 4 | 7 | 4 | 7 | 7 | 7 | 6 | 5 | 7 | 7 | 7 | 7 | |
| | | 2 | 2 | 2 | 0 | 2 | 3 | 2 | 2 | 2 | 2 | 2 | 0 | 5 | 2 | 2 | 2 | 2 | 9 | 3 | 2 | 2 | 2 | 2 | |
| | | 7 | 8 | 9 | 8 | 9 | 9 | 7 | 9 | 8 | 8 | 8 | 3 | 9 | 4 | 7 | 8 | 8 | 8 | 3 | 7 | 8 | 7 | 8 | |
| B6C3F1 MICE FEMALE | ANIMAL ID | 0 | |
| | | 0 | |
| | | 2 | 3 | |
| | | 7 | 7 | 7 | 7 | 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 |

| | | | |
|--------------------------|---|--------|-------|
| Uterus | + | + | + | 50 |
| Angiectasis | | | 1 2.0 |
| Endometrium, Hyperplasia | | 1 | 2 | | | | 4 | | | 1 | 3 | 2 | 2 | 1 | 1 | 1 | 2 | 2 | | 1 | 4 | | 4 | 4 | 4 |
| | | 33 2.3 | |

HEMATOPOIETIC SYSTEM

| | | | |
|------------------------------------|---|--------|--------|
| Bone Marrow | + | + | + | 49 |
| Myelofibrosis | 1 | 2 | | | | | 2 | | | | | | | | 1 | | | | | 2 | | | 1 | | 9 1.3 |
| Necrosis | | | | | | | | | | | | | | | | | | | 2 | | | | | | 1 2.0 |
| Myeloid Cell, Hyperplasia | | | | | | | 3 | | | | | | | | | | | | | | | | | | 1 3.0 |
| Lymph Node | | | | | | | | | | + | + | + | | + | | | | | | | | | | | 8 |
| Lymph Node, Mandibular | + | + | + | 50 |
| Atrophy | | | | | 2 | | | | | | | | | 1 | | | | | | | | | | | 8 1.3 |
| Hyperplasia, Lymphoid | | | | | | | | | | | 2 | | | | | | | | | | | | | | 2 2.5 |
| Lymph Node, Mesenteric | + | + | + | 48 |
| Atrophy | | | | 4 | | | | | | | | | 1 | 2 | | | | | 1 | | | | | | 7 2.0 |
| Spleen | + | + | + | 50 |
| Hematopoietic Cell Proliferation | 1 | 1 | | 2 | 2 | 4 | 1 | 2 | 1 | 2 | 1 | 1 | | 3 | 2 | | | 3 | 3 | 2 | 2 | 1 | 1 | 3 | 1 |
| Hyperplasia, Lymphoid | | | | | | | | 2 | | | | | | | | | | | | | | | 3 | | 39 1.8 |
| Infiltration Cellular, Plasma Cell | | | 4 2.5 |
| Pigmentation, Hemosiderin | 1 | | 1 | 1 | | | 2 | | | | 2 | 2 | 1 | | | 1 | | | 2 | | | | 1 | | 1 2.0 |
| Lymphoid Follicle, Atrophy | | | | | | 4 | | | | | | 3 | | 2 | | | | 1 | 2 | 1 | | | | | 16 1.3 |
| | | 11 2.6 | |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

x .. Lesion present

l .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

Page 96

TDMS No. 99023 - 04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 07/26/2007
Time Report Requested: 09:29:40
First Dose M/F: 04/11/02 / 04/10/02
Lab: BAT

| DAY ON TEST | | 0 | | |
|---------------------------------|--|----------|
| | | 7 | 7 | 7 | 6 | 7 | 1 | 7 | 7 | 7 | 7 | 7 | 4 | 7 | 4 | 7 | 7 | 7 | 6 | 5 | 7 | 7 | 7 | 7 | 7 | | |
| | | 2 | 2 | 2 | 0 | 2 | 3 | 2 | 2 | 2 | 2 | 2 | 2 | 0 | 5 | 2 | 2 | 2 | 9 | 3 | 2 | 2 | 2 | 2 | 2 | 2 | |
| | | 7 | 8 | 9 | 8 | 9 | 9 | 7 | 9 | 8 | 8 | 8 | 3 | 9 | 4 | 7 | 8 | 8 | 8 | 3 | 7 | 8 | 7 | 7 | 8 | 7 | |
| B6C3F1 MICE FEMALE
0.25 G/KG | | |
| | | |
| | | |
| | | |
| | | |
| ANIMAL ID | | 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 |

| | | |
|------------------------------------|----|--------|
| Thymus | + | 48 | |
| Atrophy | | 14 3.1 |
| Infiltration Cellular, Plasma Cell | | 1 3.0 |
| Inflammation | | 1 2.0 |

INTEGUMENTARY SYSTEM

| | |
|--------------------------------------|-------|
| Mammary Gland | + | 50 |
| Skin | + | 50 |
| Hair Follicle, Inflammation, Diffuse | | 1 2.0 |
| Subcutaneous Tissue, Fibrosis | 1 3.0 |

MUSCULOSKELETAL SYSTEM

| | |
|-----------------|-------|
| Bone | + | 50 |
| Skeletal Muscle | | 3 |
| Inflammation | 1 2.0 |

NERVOUS SYSTEM

| | |
|-------------------------------|-------|
| Brain | + | 50 |
| Medulla, Demyelination, Focal | | 1 2.0 |
| Peripheral Nerve | 1 |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

x .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

Page 97

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

TDMS No. 99023 - 04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
beta-Myrcene
CAS Number: 123-35-3

Date Report Reqsted: 07/26/2007
Time Report Reqsted: 09:29:40
First Dose M/F: 04/11/02 / 04/10/02
Lab: BAT

| | | | | | |
|--------------------------------|--|-----------|----------------------|---|---|
| DAY ON TEST | | 0 | 0 | females
(cont...) | | |
| | | 6 | 7 | 7 | 7 | 3 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 4 | 5 | 7 | 7 | | 7 | |
| | | 6 | 2 | 2 | 2 | 9 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 1 | 2 | 2 | 2 | 2 | 2 | 0 | 4 | 2 | 2 | | 2 | |
| | | 7 | 7 | 9 | 9 | 4 | 7 | 7 | 7 | 7 | 7 | 8 | 7 | 7 | 7 | 5 | 7 | 8 | 8 | 8 | 9 | 4 | 9 | 8 | | 7 | 8 |
| B6C3F1 MICE FEMALE
0.5 G/KG | | ANIMAL ID | | 0 | | |
| | | | | 0 | 0 | |
| | | | | 3 | 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 |
| | | | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 |

ALIMENTARY SYSTEM

| |
|--------------------------------------|
| Esophagus | + |
| Inflammation | | | | | 2 | | | | | | | | | | | | | | | | | 3 | | | |
| Necrosis | 4 | | | |
| Muscularis, Degeneration |
| Gallbladder | + |
| Intestine Large, Cecum | + |
| Edema |
| Inflammation |
| Epithelium, Metaplasia |
| Intestine Large, Colon | + |
| Epithelium, Inflammation |
| Intestine Large, Rectum | + |
| Inflammation |
| Necrosis |
| Intestine Small, Duodenum | + |
| Intestine Small, Ileum | + |
| Intestine Small, Jejunum | + |
| Peyer's Patch, Hyperplasia, Lymphoid | | | | | 2 | | | | | | | | | | | | 2 | | | | | | | | |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

x .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

Page 100

TDMS No. 99023 - 04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
beta-Myrcene
CAS Number: 123-35-3

Date Report Reqsted: 07/26/2007
Time Report Reqsted: 09:29:40
First Dose M/F: 04/11/02 / 04/10/02
Lab: BAT

| | | |
|--------------------------------|---|----------------------|
| B6C3F1 MICE FEMALE
0.5 G/KG | DAY ON TEST | 0
6
7 | 0
7
7 | 0
7
9 | 0
7
9 | 0
3
4 | 0
7
7 | 0
7
7 | 0
7
7 | 0
7
7 | 0
7
9 | 0
7
8 | 0
7
7 | 0
7
7 | 0
6
5 | 0
7
7 | 0
7
8 | 0
7
8 | 0
7
8 | 0
7
9 | 0
4
4 | 0
5
9 | 0
7
8 | 0
7
7 | 0
7
8 | | |
| | ANIMAL ID | 0
0
3
0
1 | 0
0
3
0
2 | 0
0
3
0
3 | 0
0
3
0
4 | 0
0
3
0
5 | 0
0
3
0
6 | 0
0
3
0
7 | 0
0
3
0
8 | 0
0
3
0
9 | 0
0
3
1
0 | 0
0
3
1
1 | 0
0
3
1
2 | 0
0
3
1
3 | 0
0
3
1
4 | 0
0
3
1
5 | 0
0
3
1
6 | 0
0
3
1
7 | 0
0
3
1
8 | 0
0
3
2
9 | 0
0
3
2
0 | 0
0
3
2
1 | 0
0
3
2
2 | 0
0
3
2
3 | 0
0
3
2
4 | 0
0
3
2
5 | females
(cont...) |
| | Hypertrophy
Subcapsular, Hyperplasia | 3 | 3 | 3 | 3 | 3 | 3 | 2 | 3 | 3 | 3 | 3 | 3 | 4 | 3 | 3 | 2 | 3 | 1
3 | 3 | 2 | 2 | 2 | 3 | 3 | 3 | |
| | Adrenal Medulla | + | |
| | Islets, Pancreatic | + | |
| | Parathyroid Gland | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | M | + | + | + | + | + | + | M | M | + | |
| | Pituitary Gland | + | |
| | Pars Distalis, Hyperplasia | | 1 | |
| | Pars Intermedia, Hyperplasia | |
| | Thyroid Gland | + | |
| C-cell, Hyperplasia | | |
| Follicle, Cyst | | | 1 | |
| Follicular Cell, Hyperplasia | | | 1 | |

GENERAL BODY SYSTEM
NONE

GENITAL SYSTEM

| |
|--------------------|
| Clitoral Gland | + |
| Ovary | + |
| Amyloid Deposition | |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

x .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

Page 103

TDMS No. 99023 - 04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 07/26/2007
Time Report Requested: 09:29:40
First Dose M/F: 04/11/02 / 04/10/02
Lab: BAT

| | | |
|--------------------------------|-------------|----------------------|
| | DAY ON TEST | 0 | | |
| | | 6 | 7 | 7 | 7 | 3 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 4 | 5 | 7 | 7 | | 7 |
| | | 6 | 2 | 2 | 2 | 9 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 1 | 2 | 2 | 2 | 2 | 2 | 0 | 4 | 2 | 2 | | 2 |
| | | 7 | 7 | 9 | 9 | 4 | 7 | 7 | 7 | 7 | 9 | 8 | 7 | 7 | 7 | 5 | 7 | 8 | 8 | 8 | 9 | 4 | 9 | 8 | | 7 |
| B6C3F1 MICE FEMALE
0.5 G/KG | ANIMAL ID | 0 | females
(cont...) |
| | | 0 | |
| | | 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 | |
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | |

MUSCULOSKELETAL SYSTEM

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

NERVOUS SYSTEM

| | |
|---|---|
| Brain | + |
| Cerebellum, Necrosis | 2 | |
| Cerebrum, Necrosis |
| Hippocampus, Necrosis | 3 | |
| Vein, Infiltration Cellular, Lymphocyte | | 2 |

RESPIRATORY SYSTEM

| | |
|---|---|
| Lung | + |
| Inflammation, Chronic Active |
| Pigmentation, Hemosiderin |
| Alveolar Epithelium, Hyperplasia | | | | | 2 | | | | | | | 3 | | | | | | | | | | | | | |
| Alveolus, Infiltration Cellular, Histiocyte | |
| Nose | + |
| Olfactory Epithelium, Degeneration | 1 | | | | | | | | | | | | 1 | | | | | | | | 1 | | | | |
| Trachea | + |
| Epithelium, Glands, Cytoplasmic Alteration | |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

x .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

Page 106

TDMS No. 99023 - 04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
beta-Myrcene
CAS Number: 123-35-3

Date Report Reqsted: 07/26/2007
Time Report Reqsted: 09:29:40
First Dose M/F: 04/11/02 / 04/10/02
Lab: BAT

| | | | |
|--------------------------------|-------------------|-----------------------|---|
| B6C3F1 MICE FEMALE
0.5 G/KG | DAY ON TEST | 0
6
6
7 | 0
7
2
7 | 0
7
2
9 | 0
7
2
9 | 0
3
9
4 | 0
7
2
7 | 0
7
2
7 | 0
7
2
7 | 0
7
2
7 | 0
7
2
9 | 0
7
2
8 | 0
7
2
7 | 0
7
2
7 | 0
6
2
5 | 0
7
2
7 | 0
7
2
8 | 0
7
2
8 | 0
7
2
8 | 0
7
2
9 | 0
4
2
4 | 0
5
4
9 | 0
7
2
8 | 0
7
2
7 | 0
7
2
8 | | |
| | ANIMAL ID | 0
0
3
0
1 | 0
0
3
0
2 | 0
0
3
0
3 | 0
0
3
0
4 | 0
0
3
0
5 | 0
0
3
0
6 | 0
0
3
0
7 | 0
0
3
0
8 | 0
0
3
0
9 | 0
0
3
1
0 | 0
0
3
1
1 | 0
0
3
1
2 | 0
0
3
1
3 | 0
0
3
1
4 | 0
0
3
1
5 | 0
0
3
1
6 | 0
0
3
1
7 | 0
0
3
1
8 | 0
0
3
2
9 | 0
0
3
2
0 | 0
0
3
2
1 | 0
0
3
2
2 | 0
0
3
2
3 | 0
0
3
2
4 | 0
0
3
2
5 | |
| | females (cont...) | | |
| | Ureter | | |
| | Urinary Bladder | + | + |

TDMS No. 99023 - 04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 07/26/2007
Time Report Requested: 09:29:40
First Dose M/F: 04/11/02 / 04/10/02
Lab: BAT

| DAY ON TEST | | 0 | | |
|--------------------------------|--|----------|
| | | 7 | 7 | 4 | 7 | 7 | 4 | 7 | 5 | 4 | 7 | 2 | 6 | 7 | 7 | 7 | 4 | 7 | 4 | 6 | 7 | 7 | 7 | 7 | 6 | | |
| | | 2 | 2 | 7 | 2 | 2 | 3 | 2 | 6 | 9 | 2 | 9 | 7 | 2 | 2 | 2 | 8 | 2 | 3 | 4 | 2 | 2 | 2 | 2 | 1 | | |
| | | 7 | 7 | 1 | 7 | 7 | 7 | 8 | 6 | 2 | 8 | 6 | 4 | 8 | 7 | 8 | 8 | 7 | 8 | 0 | 8 | 7 | 7 | 8 | 8 | 9 | |
| B6C3F1 MICE FEMALE
0.5 G/KG | | |
| | | |
| | | |
| | | |
| | | |
| ANIMAL ID | | 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 | |
| 0.5 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 |

ALIMENTARY SYSTEM

| | | |
|--------------------------------------|----|-----|
| Esophagus | + | 50 | |
| Inflammation | | | | 4 | | | | | | 1 | | | | | | | | | | | | | | | | 4 | 2.5 |
| Necrosis | | | | | | | | | | 1 | | | | | | | | | | | | | | | | 2 | 2.5 |
| Muscularis, Degeneration | | | | | | | | | | | | | | | | | | | 1 | | | | | | | 1 | 1.0 |
| Gallbladder | + | 50 | |
| Intestine Large, Cecum | + | 50 | |
| Edema | | | | 3 | | 1 | 3.0 |
| Inflammation | | | | 2 | | 1 | 2.0 |
| Epithelium, Metaplasia | | | | 2 | | 1 | 2.0 |
| Intestine Large, Colon | + | 50 | |
| Epithelium, Inflammation | | | | 1 | | 1 | 1.0 |
| Intestine Large, Rectum | + | 50 | |
| Inflammation | | | | | | | | | | | 1 | | | | | | | | | | | | | | | 1 | 1.0 |
| Necrosis | | | | | | | | | | | 2 | | | | | | | | | | | | | | | 1 | 2.0 |
| Intestine Small, Duodenum | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | A | A | + | + | + | + | + | + | 47 | |
| Intestine Small, Ileum | + | 50 | |
| Intestine Small, Jejunum | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49 | |
| Peyer's Patch, Hyperplasia, Lymphoid | | 3 | 2.3 |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

x .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

Page 109

TDMS No. 99023 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 beta-Myrcene
 CAS Number: 123-35-3

Date Report Requested: 07/26/2007
 Time Report Requested: 09:29:40
 First Dose M/F: 04/11/02 / 04/10/02
 Lab: BAT

| B6C3F1 MICE FEMALE
0.5 G/KG | | DAY ON TEST | |
|--------------------------------|--|-------------|
| | | 0 | 0 | |
| | | 7 | 7 | 4 | 7 | 7 | 4 | 7 | 5 | 4 | 7 | 2 | 6 | 7 | 7 | 7 | 4 | 7 | 4 | 6 | 7 | 7 | 7 | 7 | 7 | 6 |
| | | 2 | 2 | 7 | 2 | 2 | 3 | 2 | 6 | 9 | 2 | 9 | 7 | 2 | 2 | 2 | 8 | 2 | 3 | 4 | 2 | 2 | 2 | 2 | 2 | 1 |
| | | 7 | 7 | 1 | 7 | 7 | 7 | 8 | 6 | 2 | 8 | 6 | 4 | 8 | 7 | 8 | 8 | 7 | 8 | 0 | 8 | 7 | 7 | 8 | 8 | 9 |
| | | |
| B6C3F1 MICE FEMALE
0.5 G/KG | | ANIMAL ID |
| | | 0 | 0 |
| | | 0 | 0 |
| | | 3 | 3 |
| | | 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 |
| | | 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 |

| | |
|-----------------------------------|--------|
| Liver | + | 50 |
| Angiectasis | | | | | | | | | | | 1 | | | | | | | | | | | | | | | 2 2.0 |
| Basophilic Focus | 4 |
| Clear Cell Focus | | | | | | | | X | | | | | | | | | | | | | | | | | | 1 |
| Eosinophilic Focus | 6 |
| Fatty Change | | | 3 | | | | 1 | | 1 | | | | | | 2 | | | X | 1 | 1 | | 1 | | | X | 16 1.3 |
| Hematopoietic Cell Proliferation | 1 2.0 |
| Infiltration Cellular, Lymphocyte | | 1 1.0 |
| Inflammation, Chronic Active | 1 | 1 | | 1 | 1 | | 1 | | | 1 | | | | 1 | | 1 | | | | 1 | 1 | 1 | 1 | 1 | 1 | 34 1.0 |
| Mixed Cell Focus | | | | | X | | | | | | | | | | | | | | | | | | X | | | 6 |
| Necrosis | | | 2 | | | | | 2 | | | 1 | | | | | | | | | | | | | | | 3 1.7 |
| Pigmentation, Hemosiderin | 1 | | | | 2 1.0 |
| Tension Lipidosis | | | 3 | | 10 1.3 |
| Vacuolization Cytoplasmic | | | 4 | | | 4 | | | 4 | | | | | | | 4 | | 4 | | | | | | | | 8 3.6 |
| Bile Duct, Crystals | | | | | | | | | | | | | 2 | | | | | | | | | | | | | 1 2.0 |
| Bile Duct, Hyperplasia | | | | | | | | | | | | | 2 | | | | | | | | | | | | | 1 2.0 |
| Hepatocyte, Hypertrophy | | | 3 | | | | 1 | | | | | | | | 1 | | | | 2 | | 1 | | | | | 6 1.5 |
| Oval Cell, Hyperplasia | | | | | | | | | | | | | 3 | | | | | | | | | | | | | 1 3.0 |
| Mesentery | | | | | | | | | | | + | | | | | | | | | | | | | + | 3 | |
| Fat, Necrosis | | | | | | | | | | | 1 | | | | | | | | | | | | | | | 1 1.0 |
| Pancreas | + | 50 |
| Atrophy | | | | | | | | | | 4 | | | 2 | | | | | | | | | | | | | 3 3.3 |
| Basophilic Focus | 1 | | | 1 1.0 |
| Inflammation, Granulomatous | 1 2.0 |
| Duct, Cytoplasmic Alteration | | | | | | | | | | | | | 2 | | | | | | | | | | | | | 1 2.0 |
| Salivary Glands | + | 50 |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically
 x .. Lesion present
 I .. Insufficient tissue

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

1-4 .. Lesion qualified as:
 1) Minimal 3) Moderate
 2) Mild 4) Marked

TDMS No. 99023 - 04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 07/26/2007
Time Report Requested: 09:29:40
First Dose M/F: 04/11/02 / 04/10/02
Lab: BAT

| | | |
|--------------------|-------------|----------|
| | DAY ON TEST | 0 |
| | | 7 | 7 | 4 | 7 | 7 | 4 | 7 | 5 | 4 | 7 | 2 | 6 | 7 | 7 | 7 | 4 | 7 | 4 | 6 | 7 | 7 | 7 | 7 | 6 |
| | | 2 | 2 | 7 | 2 | 2 | 3 | 2 | 6 | 9 | 2 | 9 | 7 | 2 | 2 | 2 | 8 | 2 | 3 | 4 | 2 | 2 | 2 | 2 | 1 |
| | | 7 | 7 | 1 | 7 | 7 | 7 | 8 | 6 | 2 | 8 | 6 | 4 | 8 | 7 | 8 | 8 | 7 | 8 | 0 | 8 | 7 | 7 | 8 | 9 |
| B6C3F1 MICE FEMALE | ANIMAL ID | 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 |
| 0.5 G/KG | | * TOTALS |

| | |
|-------------------------|--------|
| Stomach, Forestomach | + | 50 |
| Inflammation | 1 | | 1 | | 1 | | | | 2 | 1 | | | | | | | 2 | | | | | | | | 2 | 8 1.4 |
| Necrosis | | | | | | | | | 1 | 1 | | | | | | | | 2 | | | | | | | | 4 1.3 |
| Ulcer | | | 2 | | 2 | 3 2.0 |
| Epithelium, Hyperplasia | 1 | | 1 | 2 | 1 | | | | 2 | 1 | | | | | | | 4 | | 2 | | | | | | 2 | 17 1.8 |
| Stomach, Glandular | + | 50 |
| Tooth | |
| Dysplasia | + | + | 4 |
| | X | | 4 |

CARDIOVASCULAR SYSTEM

| | |
|-------------------------------------|-------|
| Blood Vessel | | | | | | | | | | | | | | | | | | | + | | + | | | | | 2 |
| Carotid Artery, Intima, Hyperplasia | | | | | | | | | | | | | | | | | | | 4 | | | | | | | 1 4.0 |
| Heart | + | 50 |
| Cardiomyopathy | | | | | | | | | 1 | | 1 | | | | | | | | | | | | | 1 | | 4 1.0 |
| Fibrosis | | | | | | | | | | | | | 2 | | | | | | | | | | | | | 1 2.0 |
| Mineralization | 2 1.0 |
| Atrium, Thrombosis | 1 1.0 |
| Coronary Artery, Inflammation | | | | | | | | | | | | | | | | | | 2 | | | | | | | | 1 2.0 |

ENDOCRINE SYSTEM

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

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

x .. Lesion present

l .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

Page 111

TDMS No. 99023 - 04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 07/26/2007
Time Report Requested: 09:29:40
First Dose M/F: 04/11/02 / 04/10/02
Lab: BAT

| | | 0 | |
|---|-----------|-----------------|
| DAY ON TEST | | 7 | 7 | 4 | 7 | 7 | 4 | 7 | 5 | 4 | 7 | 2 | 6 | 7 | 7 | 7 | 4 | 7 | 4 | 6 | 7 | 7 | 7 | 7 | 7 | 6 | |
| | | 2 | 2 | 7 | 2 | 2 | 3 | 2 | 6 | 9 | 2 | 9 | 7 | 2 | 2 | 2 | 8 | 2 | 3 | 4 | 2 | 2 | 2 | 2 | 2 | 1 | |
| | | 7 | 7 | 1 | 7 | 7 | 7 | 8 | 6 | 2 | 8 | 6 | 4 | 8 | 7 | 8 | 8 | 7 | 8 | 0 | 8 | 7 | 7 | 8 | 8 | 9 | |
| | | |
| B6C3F1 MICE FEMALE
0.5 G/KG | ANIMAL ID | 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 |
| Hypertrophy
Subcapsular, Hyperplasia | | 3 | 4 | 1 | 3 | 3 | 3 | 4 | 3 | | 3 | 3 | 4 | 3 | 3 | 4 | 2 | 2 | 2 | 2 | 3 | 1 | 1 | 3 | 3 | 3 | 3 1.0
49 2.9 |
| Adrenal Medulla | | + | 50 |
| Islets, Pancreatic | | + | 50 |
| Parathyroid Gland | | + | + | + | + | + | M | M | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 43 |
| Pituitary Gland | | + | 50 |
| Pars Distalis, Hyperplasia | | | 1 | | 3 | | | 2 | | | | | | | | | | 1 | | | | | | | | | 5 1.6 |
| Pars Intermedia, Hyperplasia | | 1 2.0 |
| Thyroid Gland | | + | 50 |
| C-cell, Hyperplasia | | | | | | | | | | | | | 1 | | + | + | + | + | + | + | + | + | + | + | + | + | 1 1.0 |
| Follicle, Cyst | | | | | 2 | | | | | | | | | | | | | | | | | | 2 | | | | 3 1.7 |
| Follicular Cell, Hyperplasia | | 1 | | 3 1.0 |

GENERAL BODY SYSTEM
NONE

GENITAL SYSTEM

| | |
|--------------------|-------|
| Clitoral Gland | + | 50 |
| Ovary | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49 |
| Amyloid Deposition | | | | | | | | | | 2 | | | | | | | | | | | | | | | | | 1 2.0 |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

x .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

Page 112

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

TDMS No. 99023 - 04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 07/26/2007
Time Report Requested: 09:29:40
First Dose M/F: 04/11/02 / 04/10/02
Lab: BAT

| | | |
|--------------------|-------------|----------|
| | DAY ON TEST | 0 | |
| | | 7 | 7 | 4 | 7 | 7 | 4 | 7 | 5 | 4 | 7 | 2 | 6 | 7 | 7 | 7 | 4 | 7 | 4 | 6 | 7 | 7 | 7 | 7 | 6 |
| | | 2 | 2 | 7 | 2 | 2 | 3 | 2 | 6 | 9 | 2 | 9 | 7 | 2 | 2 | 2 | 8 | 2 | 3 | 4 | 2 | 2 | 2 | 2 | 1 |
| | | 7 | 7 | 1 | 7 | 7 | 7 | 8 | 6 | 2 | 8 | 6 | 4 | 8 | 7 | 8 | 8 | 7 | 8 | 0 | 8 | 7 | 7 | 8 | 9 |
| B6C3F1 MICE FEMALE | ANIMAL ID | 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 |
| 0.5 G/KG | | * TOTALS |

MUSCULOSKELETAL SYSTEM

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

NERVOUS SYSTEM

| | | |
|---|----|-------|
| Brain | + | 50 | |
| Cerebellum, Necrosis | | 1 2.0 |
| Cerebrum, Necrosis | | | | | | | | | | | | | 3 | | | | | | | | | | | | | | 1 3.0 |
| Hippocampus, Necrosis | | 1 3.0 |
| Vein, Infiltration Cellular, Lymphocyte | | 1 2.0 |

RESPIRATORY SYSTEM

| | | |
|---|----|-------|
| Lung | + | 50 | |
| Inflammation, Chronic Active | | | | | | | | | | | | | 2 | | | | | | | | | | | | | | 1 2.0 |
| Pigmentation, Hemosiderin | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | 1 1.0 |
| Alveolar Epithelium, Hyperplasia | | 2 2.5 |
| Alveolus, Infiltration Cellular, Histiocyte | | | | | | | | | | | | | 2 | 3 | | | | | | | | | 1 | | | | 3 2.0 |
| Nose | + | 50 | |
| Olfactory Epithelium, Degeneration | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | 5 1.0 |
| Trachea | + | 50 | |
| Epithelium, Glands, Cytoplasmic Alteration | | | | | | | | | | | | | 2 | | | | | | | | | | | | | | 1 2.0 |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

x .. Lesion present

l .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

Page 115

TDMS No. 99023 - 04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 07/26/2007
Time Report Requested: 09:29:40
First Dose M/F: 04/11/02 / 04/10/02
Lab: BAT

| | | |
|--------------------------------|-------------|----------|
| | DAY ON TEST | 0 | 0 | |
| | | 7 | 7 | 4 | 7 | 7 | 4 | 7 | 5 | 4 | 7 | 2 | 6 | 7 | 7 | 7 | 4 | 7 | 4 | 6 | 7 | 7 | 7 | 7 | 6 | |
| | | 2 | 2 | 7 | 2 | 2 | 3 | 2 | 6 | 9 | 2 | 9 | 7 | 2 | 2 | 2 | 8 | 2 | 3 | 4 | 2 | 2 | 2 | 2 | 1 | |
| | | 7 | 7 | 1 | 7 | 7 | 7 | 8 | 6 | 2 | 8 | 6 | 4 | 8 | 7 | 8 | 8 | 7 | 8 | 0 | 8 | 7 | 7 | 8 | 9 | |
| B6C3F1 MICE FEMALE
0.5 G/KG | ANIMAL ID | 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 | |

SPECIAL SENSES SYSTEM

| | |
|----------------------------|-------|
| Ear | 1 |
| Necrosis | 1 3.0 |
| Eye | 50 |
| Atrophy | 1 2.0 |
| Cornea, Inflammation | 1 1.0 |
| Lens, Cataract | 2 1.0 |
| Retina, Retinal Detachment | 1 2.0 |
| Harderian Gland | 50 |
| Hyperplasia | 1 1.0 |

URINARY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------------------------|---|---|--|--|--|---|---|--|--|--|---|---|--|---|---|---|--|--|---|---|--|--|---|--|--|--------|
| Kidney | | | | | | | | | | | | | | | | | | | | | | | | | | 50 |
| Amyloid Deposition | | | | | | | | | | | | | | | | | | | | | | | | | | 1 4.0 |
| Infarct | | | | | | | | | | | | | | | | | | | | | | | | | | 3 2.7 |
| Infiltration Cellular, Lymphocyte | | | | | | | | | | | | | | | | | | | | | | | | | | 4 2.0 |
| Mineralization | | | | | | | | | | | | | | | | | | | | | | | | | | 8 1.4 |
| Nephropathy | 1 | 3 | | | | 3 | 1 | | | | 1 | 3 | | 1 | 1 | 1 | | | 1 | 1 | | | 1 | | | 16 1.4 |
| Papilla, Necrosis | | | | | | | | | | | | | | | | | | | | | | | | | | 1 2.0 |
| Pelvis, Dilatation | | | | | | | | | | | | | | | | | | | | | | | | | | 1 3.0 |
| Renal Tubule, Hyperplasia | | | | | | | | | | | | | | | | | | | | | | | | | | 1 1.0 |
| Renal Tubule, Necrosis | | | | | | | | | | | | | | | | | | | | | | | | | | 2 2.5 |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

x .. Lesion present

l .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

Page 116

TDMS No. 99023 - 04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 07/26/2007
Time Report Requested: 09:29:40
First Dose M/F: 04/11/02 / 04/10/02
Lab: BAT

| | | |
|--------------------------------|-------------|----|
| | DAY ON TEST | 0 |
| | | 7 | 7 | 4 | 7 | 7 | 4 | 7 | 5 | 4 | 7 | 2 | 6 | 7 | 7 | 7 | 4 | 7 | 4 | 6 | 7 | 7 | 7 | 7 | 7 | 6 |
| | | 2 | 2 | 7 | 2 | 2 | 3 | 2 | 6 | 9 | 2 | 9 | 7 | 2 | 2 | 2 | 8 | 2 | 3 | 4 | 2 | 2 | 2 | 2 | 2 | 1 |
| | | 7 | 7 | 1 | 7 | 7 | 7 | 8 | 6 | 2 | 8 | 6 | 4 | 8 | 7 | 8 | 8 | 7 | 8 | 0 | 8 | 7 | 7 | 8 | 8 | 9 |
| B6C3F1 MICE FEMALE
0.5 G/KG | ANIMAL ID | 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 |
| Ureter | + | 1 |
| Urinary Bladder | + | 50 |

TDMS No. 99023 - 04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 07/26/2007
Time Report Requested: 09:29:40
First Dose M/F: 04/11/02 / 04/10/02
Lab: BAT

| | | |
|--------------------------------|-------------|-------------------|
| B6C3F1 MICE FEMALE
1.0 G/KG | DAY ON TEST | 0 | 0 | | |
| | | 7 | 6 | 7 | 7 | 7 | 7 | 3 | 7 | 5 | 7 | 7 | 4 | 4 | 7 | 7 | 7 | 6 | 7 | 7 | 6 | 4 | 7 | 4 | 3 | |
| | | 2 | 7 | 2 | 2 | 2 | 2 | 8 | 2 | 3 | 2 | 2 | 0 | 0 | 2 | 2 | 2 | 5 | 2 | 2 | 5 | 6 | 2 | 1 | 6 | 7 |
| | | 7 | 3 | 7 | 8 | 9 | 7 | 9 | 7 | 8 | 8 | 9 | 2 | 4 | 8 | 7 | 9 | 6 | 8 | 7 | 9 | 8 | 8 | 5 | 6 | 0 |
| | | |
| B6C3F1 MICE FEMALE
1.0 G/KG | ANIMAL ID | 0 | 0 | |
| | | 0 | 0 | |
| | | 3 | 3 | |
| | | 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...) | |

ALIMENTARY SYSTEM

| | |
|---|---|
| Esophagus | + |
| Gallbladder | + |
| Intestine Large, Cecum | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | A |
| Intestine Large, Colon
Parasite Metazoan | + | A | + | 1 |
| Intestine Large, Rectum | + |
| Intestine Small, Duodenum | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | A |
| Intestine Small, Ileum | + | + | + | + | + | + | + | + | A | + | + | + | A | + | + | + | + | + | + | + | + | + | + | A |
| Intestine Small, Jejunum | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | A | + | A |
| Liver | + |
| Basophilic Focus | | | | | | X | | | | | | | | | | | | | | | | | | |
| Cytoplasmic Alteration | | | | | | | | | | | | | | | | 1 | | | | | | | | |
| Eosinophilic Focus | | | | | | X | | X | | | | | | X | | X | | X | X | | X | | X | |
| Fatty Change | | 1 | | | | | | | | | 1 | 1 | | | | | | 2 | | 1 | | | 1 | 3 |
| Hematopoietic Cell Proliferation | | | | | | | | | | | 1 | | | | | | | | | | | | | |
| Inflammation, Suppurative | | | | | | | 2 | | | | | | | | | | | | | | | | | |
| Inflammation, Chronic Active | | | 1 | 1 | 1 | 1 | | 1 | | 1 | 1 | | | 1 | 1 | 1 | | 2 | | | 1 | | | |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

x .. Lesion present

l .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

Page 118

TDMS No. 99023 - 04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 07/26/2007
Time Report Requested: 09:29:40
First Dose M/F: 04/11/02 / 04/10/02
Lab: BAT

| | | | | |
|---|-------------|-----------------------|--|--|
| B6C3F1 MICE FEMALE
1.0 G/KG | DAY ON TEST | 0
7
2
7 | 0
6
7
3 | 0
7
2
7 | 0
7
2
8 | 0
7
2
9 | 0
7
2
7 | 0
3
8
9 | 0
7
2
7 | 0
5
3
8 | 0
7
2
8 | 0
7
2
9 | 0
4
0
2 | 0
4
2
8 | 0
7
2
7 | 0
7
2
9 | 0
6
5
6 | 0
7
2
8 | 0
7
5
9 | 0
4
6
8 | 0
7
2
8 | 0
7
1
8 | 0
7
2
5 | 0
7
1
6 | 0
7
4
6 | 0
4
3
0 | | |
| | ANIMAL ID | 0
0
3
5
1 | 0
0
3
5
2 | 0
0
3
5
3 | 0
0
3
5
4 | 0
0
3
5
5 | 0
0
3
5
6 | 0
0
3
5
7 | 0
0
3
5
8 | 0
0
3
5
9 | 0
0
3
6
0 | 0
0
3
6
1 | 0
0
3
6
2 | 0
0
3
6
3 | 0
0
3
6
4 | 0
0
3
6
5 | 0
0
3
6
6 | 0
0
3
6
7 | 0
0
3
6
8 | 0
0
3
6
9 | 0
0
3
7
0 | 0
0
3
7
1 | 0
0
3
7
2 | 0
0
3
7
3 | 0
0
3
7
4 | 0
0
3
7
5 | | |
| | | | | |
| | | | | |
| | | | | |
| Mineralization
Mixed Cell Focus
Necrosis
Tension Lipidosis
Vacuolization Cytoplasmic
Hepatocyte, Hypertrophy | | | 1 | | | | | | 2 | | | | 1 | | | | 3 | | X | | | | | 2 | | | | |
| | | | | | | 1 | | | | | | | 2 | | | | | | | | | | | | 3 | 2 | | |
| | | | | | | | | 3 | | | | | 4 | 4 | 1 | 1 | 2 | | 1 | 1 | 4 | 4 | 1 | | 3 | 2 | | |
| | | | | 1 | 1 | 2 | | | | | | 1 | | | | | | | | | | | | | 3 | 2 | | |
| Pancreas
Atrophy
Mineralization
Necrosis | | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | A | | |
| | | | 4 | | | | |
| | | | | | | | | | | | | | | | | | | | | | 2 | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | 2 | | | | | | | |
| Salivary Glands | | + | | |
| Stomach, Forestomach
Inflammation
Mineralization
Necrosis
Ulcer
Epithelium, Hyperplasia | | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | A | | |
| | | | | | | | 1 | 1 | | | | | 2 | | | | | 2 | 2 | | | | | 1 | 1 | | | |
| | | | 1 | | |
| | | | | | | | | 2 | | | | | | | | | | 2 | 1 | | | | | | | | | |
| | | | | | | | | | | | | 2 | | | | | | 2 | | | | | | | 1 | | | |
| | | | 2 | | | 2 | | 1 | | 1 | 1 | | | 2 | | | 2 | | | | | | | 1 | 1 | 1 | | |
| Stomach, Glandular
Inflammation
Mineralization
Necrosis | | + | A | | |
| | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | 2 | | | | | | | | | | |
| | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | |

CARDIOVASCULAR SYSTEM

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

x .. Lesion present

l .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

Page 119

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

TDMS No. 99023 - 04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 07/26/2007
Time Report Requested: 09:29:40
First Dose M/F: 04/11/02 / 04/10/02
Lab: BAT

| | | | | |
|--------------------------------|-------------|----------------------|----------------------|---|
| B6C3F1 MICE FEMALE
1.0 G/KG | DAY ON TEST | 0 | females
(cont...) | | |
| | | 7 | 6 | 7 | 7 | 7 | 7 | 3 | 7 | 5 | 7 | 7 | 4 | 4 | 7 | 7 | 7 | 6 | 7 | 7 | 6 | 4 | 7 | 7 | | 4 | 3 |
| | | 2 | 7 | 2 | 2 | 2 | 2 | 8 | 2 | 3 | 2 | 2 | 0 | 0 | 2 | 2 | 2 | 5 | 2 | 2 | 5 | 6 | 2 | 1 | | 6 | 7 |
| | | 7 | 3 | 7 | 8 | 9 | 7 | 9 | 7 | 8 | 8 | 9 | 2 | 4 | 8 | 7 | 9 | 6 | 8 | 7 | 9 | 8 | 8 | 5 | | 6 | 0 |
| | | | | |
| B6C3F1 MICE FEMALE
1.0 G/KG | ANIMAL ID | 0 | females
(cont...) | |
| | | 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 | | 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...)

| | | | |
|---------------------|--|---|---|
| Blood Vessel | | + | |
| Aorta, Inflammation | | 2 | |
| <hr/> | | | |
| Heart | + | | | |
| Cardiomyopathy | | | | | | | | | | 1 | 1 | | | | | | | | | | | | | | | | | |
| Fibrosis | | | |
| Mineralization | | | | | | | | | | | | | | | | 1 | | | | 1 | | | | 1 | | | | 3 |
| Valve, Thrombosis | | | | | | | | | 4 | | | | | | | | | | | | | | | | 2 | | | |

ENDOCRINE SYSTEM

| |
|----------------------------|
| Adrenal Cortex | + | |
| Subcapsular, Hyperplasia | 2 | 3 | 3 | 3 | 2 | 3 | 2 | 4 | 2 | 2 | 3 | 2 | 2 | 3 | 3 | 2 | 3 | 3 | 3 | 2 | 2 | 2 | 2 | 3 | 2 |
| Adrenal Medulla | + |
| Islets, Pancreatic | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | A |
| Parathyroid Gland | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | M | M | + | + | M | + | + |
| Pituitary Gland | + |
| Pars Distalis, Hyperplasia | | | | | | | 1 | | | | | | | | | | | | 3 | | | | | | |
| Thyroid Gland | + |
| Inflammation | | | | 1 | |
| Follicle, Cyst | | 1 | | | | | | | | | | | | | | 2 | | | | | | | | | |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

x .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

Page 120

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

TDMS No. 99023 - 04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
beta-Myrcene
CAS Number: 123-35-3

Date Report Reqsted: 07/26/2007
Time Report Reqsted: 09:29:40
First Dose M/F: 04/11/02 / 04/10/02
Lab: BAT

| | | |
|--------------------------------|-------------|-------------------|
| B6C3F1 MICE FEMALE
1.0 G/KG | DAY ON TEST | 0 | 0 |
| | | 7 | 6 | 7 | 7 | 7 | 7 | 3 | 7 | 5 | 7 | 7 | 4 | 4 | 7 | 7 | 7 | 6 | 7 | 7 | 6 | 4 | 7 | 7 |
| | | 2 | 7 | 2 | 2 | 2 | 2 | 8 | 2 | 3 | 2 | 2 | 0 | 0 | 2 | 2 | 2 | 5 | 2 | 2 | 5 | 6 | 2 | 1 |
| | | 7 | 3 | 7 | 8 | 9 | 7 | 9 | 7 | 8 | 8 | 9 | 2 | 4 | 8 | 7 | 9 | 6 | 8 | 7 | 9 | 8 | 8 | 5 |
| | ANIMAL ID | 0 | 0 |
| | 0 | 0 | 0 | |
| | 3 | 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...) | |

GENERAL BODY SYSTEM

Tissue NOS +

GENITAL SYSTEM

| |
|---------------------------|
| Clitoral Gland | + |
| Ovary | + | M | + | + | + |
| Angiectasis | | | | | | | | | | | | | | 2 | | | | 1 | | | | | | |
| Atrophy | 2 | 4 | 3 | 4 | 3 | 3 | 2 | 4 | 4 | 4 | 4 | 1 | 4 | | 4 | 4 | 4 | 4 | 4 | 4 | 3 | | 3 | 4 |
| Hyperplasia, Tubular | | | | | | | | | | | | | | | | | | 2 | | | | | | |
| Thrombosis | 4 | | |
| Germinal Epithelium, Cyst | | | | | | | | | | | | | | | | | | 4 | | | | | | |
| Rete Ovarii, Cyst | | | | | | | | | | | | | 3 | | | | | | | | | | | |
| Uterus | + |
| Angiectasis | | | | | | | | 2 | | | | | | | | | | | | | | | | |
| Endometrium, Hyperplasia | 2 | 2 | 2 | 1 | 3 | | | 1 | | | 1 | | 1 | | 2 | 2 | 1 | | 2 | | | 2 | | |

HEMATOPOIETIC SYSTEM

| |
|---------------|
| Bone Marrow | + |
| Atrophy | | 2 | | | | | 2 | | | | | 2 | 3 | | | | | | 2 | 3 | | | 3 | 3 |
| Myelofibrosis | | | | | | | | | | | | | | | 1 | | | | | | | | | |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

x .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

Page 121

TDMS No. 99023 - 04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
beta-Myrcene
CAS Number: 123-35-3

Date Report Reqsted: 07/26/2007
Time Report Reqsted: 09:29:40
First Dose M/F: 04/11/02 / 04/10/02
Lab: BAT

| | | 0 |
|----------------------------------|--|----------------------|
| DAY ON TEST | | 7 | 6 | 7 | 7 | 7 | 7 | 3 | 7 | 5 | 7 | 7 | 4 | 4 | 7 | 7 | 6 | 7 | 7 | 6 | 4 | 7 | 7 | 4 | 3 | | |
| | | 2 | 7 | 2 | 2 | 2 | 2 | 8 | 2 | 3 | 2 | 2 | 0 | 0 | 2 | 2 | 2 | 5 | 2 | 5 | 6 | 2 | 1 | 6 | 7 | | |
| | | 7 | 3 | 7 | 8 | 9 | 7 | 9 | 7 | 8 | 8 | 9 | 2 | 4 | 8 | 7 | 9 | 6 | 8 | 7 | 9 | 8 | 8 | 5 | 6 | 0 | |
| B6C3F1 MICE FEMALE | | 0 | |
| ANIMAL ID | | 0 | |
| 1.0 G/KG | | 3 | females
(cont...) |
| | | 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 | |
| | | 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 | |
| Lymph Node, Mandibular Atrophy | | + | |
| Hyperplasia, Lymphoid | | | 1 | | 1 | | | | | 1 | | | 3 | | | 1 | | 2 | | | 1 | 1 | | | 2 | 3 | |
| | | | | | | | | 4 | | | | | | | | | | | | | | | | | | | |
| Lymph Node, Mesenteric Atrophy | | + | + | + | + | + | M | + | + | + | + | + | M | A | + | + | + | + | + | + | + | + | + | + | + | A | |
| | | | 2 | | 2 | | | 3 | | | | | | | | | 2 | 3 | | 3 | 4 | 4 | 2 | 4 | | | |
| | | |
| Spleen | | + | |
| Hematopoietic Cell Proliferation | | 1 | | 1 | 1 | | | | | 3 | | | | | | | 1 | 3 | 1 | 1 | | | 2 | 3 | | | |
| Hyperplasia, Lymphoid | | | | | | | | | | | | | | | | | | 2 | | | | | | | | | |
| Pigmentation, Hemosiderin | | | 1 | | | | 2 | | | | | 1 | 2 | | | | | | 1 | | | | | | | | |
| Lymphoid Follicle, Atrophy | | | 2 | | | | 4 | | | | | 4 | 4 | | | | 3 | | | 4 | 3 | | 2 | 4 | 4 | | |
| | | |
| Thymus | | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | M | |
| Atrophy | | 1 | 4 | | 1 | 1 | | 4 | 1 | 1 | 1 | 1 | 4 | | | | 4 | | | | 4 | 4 | 1 | 4 | 4 | | |
| INTEGUMENTARY SYSTEM | | |
| | | |
| Mammary Gland | | + | |
| | | |
| Skin | | + | |
| | | |
| MUSCULOSKELETAL SYSTEM | | |
| | | |
| Bone | | + | |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

x .. Lesion present

l .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

Page 122

TDMS No. 99023 - 04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 07/26/2007
Time Report Requested: 09:29:40
First Dose M/F: 04/11/02 / 04/10/02
Lab: BAT

| | | | | |
|--------------------------------|-------------|----------------------|---|---|
| B6C3F1 MICE FEMALE
1.0 G/KG | DAY ON TEST | 0 | females
(cont...) | | |
| | | 7 | 6 | 7 | 7 | 7 | 7 | 3 | 7 | 5 | 7 | 7 | 4 | 4 | 7 | 7 | 7 | 6 | 7 | 7 | 6 | 4 | 7 | 7 | | 4 | 3 |
| | | 2 | 7 | 2 | 2 | 2 | 2 | 8 | 2 | 3 | 2 | 2 | 0 | 0 | 2 | 2 | 2 | 5 | 2 | 2 | 5 | 6 | 2 | 1 | | 6 | 7 |
| | | 7 | 3 | 7 | 8 | 9 | 7 | 9 | 7 | 8 | 8 | 9 | 2 | 4 | 8 | 7 | 9 | 6 | 8 | 7 | 9 | 8 | 8 | 5 | | 6 | 0 |
| | ANIMAL ID | 0 | | 0 | 0 |
| | | 0 | 0 | |
| | | 3 | 3 | |
| | | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 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 | |

females
(cont...)

NERVOUS SYSTEM

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

RESPIRATORY SYSTEM

| | |
|--|---|
| Lung | + |
| Hyperplasia, Lymphoid | | | | | | | | 2 | | | | | | | | | | | | | | | | | |
| Inflammation, Chronic Active | | | | | | | | | | 1 | | | | 1 | 1 | | | | | | | | | | |
| Alveolar Epithelium, Hyperplasia | | | | | | | | | | | | | | 1 | | | 4 | | | | 3 | | | | |
| Alveolus, Infiltration Cellular, Histocyte | | | | | | | | | | | | | | 1 | | | | | | | | | | | |
| Bronchiole, Hyperplasia |
| Serosa, Inflammation, Suppurative | 2 |
| Nose | + |
| Olfactory Epithelium, Degeneration | | | | | | | | 1 | | | | | | 1 | | | | | | 1 | | | 1 | 2 | |
| Trachea | + |

SPECIAL SENSES SYSTEM

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

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

x .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

Page 123

TDMS No. 99023 - 04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
beta-Myrcene
CAS Number: 123-35-3

Date Report Reqsted: 07/26/2007
Time Report Reqsted: 09:29:40
First Dose M/F: 04/11/02 / 04/10/02
Lab: BAT

| | | | |
|--------------------------------|-----------|-------------|----------------------|
| B6C3F1 MICE FEMALE
1.0 G/KG | ANIMAL ID | DAY ON TEST | | females
(cont...) |
| | | 0 | 0 | | |
| | | 7 | 6 | 7 | 7 | 7 | 7 | 3 | 7 | 5 | 7 | 7 | 4 | 4 | 7 | 7 | 7 | 6 | 7 | 7 | 6 | 4 | 7 | 7 | 4 | 3 | |
| | | 2 | 7 | 2 | 2 | 2 | 2 | 8 | 2 | 3 | 2 | 2 | 0 | 0 | 2 | 2 | 2 | 5 | 2 | 2 | 5 | 6 | 2 | 1 | 6 | 7 | |
| | | 7 | 3 | 7 | 8 | 9 | 7 | 9 | 7 | 8 | 8 | 9 | 2 | 4 | 8 | 7 | 9 | 6 | 8 | 7 | 9 | 8 | 8 | 5 | 6 | 0 | |
| | | | |
| B6C3F1 MICE FEMALE
1.0 G/KG | ANIMAL ID | 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 | 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...)

URINARY SYSTEM

| |
|-----------------------------------|
| Kidney | + |
| Accumulation, Hyaline Droplet | 3 | |
| Infarct |
| Mineralization | 1 | | | | | | | | | | | | | | | | 2 | | | 1 | | | | | |
| Nephropathy | 1 | | 1 | | 1 | 1 | 1 | 1 | | 1 | 1 | | | 1 | 1 | | 1 | | 1 | 1 | | 1 | | | |
| Papilla, Inflammation |
| Renal Tubule, Necrosis | | 4 | | | | | | | | | | 2 | | | | | | | | | | | | | |
| Urinary Bladder | + | A |
| Infiltration Cellular, Lymphocyte | | 3 | | |

TDMS No. 99023 - 04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 07/26/2007
Time Report Requested: 09:29:40
First Dose M/F: 04/11/02 / 04/10/02
Lab: BAT

| | | |
|--------------------------------|-------------|----------|
| B6C3F1 MICE FEMALE
1.0 G/KG | DAY ON TEST | 0 | | | |
| | | 4 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 3 | 4 | 7 | 7 | 4 | 7 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | | | |
| | | 3 | 8 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 7 | 3 | 2 | 2 | 3 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | | | |
| | | 9 | 7 | 6 | 5 | 6 | 6 | 5 | 6 | 6 | 6 | 5 | 6 | 6 | 8 | 8 | 6 | 9 | 5 | 5 | 5 | 6 | 5 | 6 | | | |
| | | |
| B6C3F1 MICE FEMALE
1.0 G/KG | ANIMAL ID | 0 | | | |
| | | 0 | | | |
| | | 3 | 4 | | | |
| | | 7 | 7 | 7 | 7 | 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 | |
| Gallbladder | + | A | + | + | 49 | |
| Intestine Large, Cecum | + | A | + | + | 47 | |
| Intestine Large, Colon | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | A | + | + | 47 | |
| Parasite Metazoan | 1 | 1.0 |
| Intestine Large, Rectum | + | A | + | + | 49 | |
| Intestine Small, Duodenum | + | + | + | + | + | + | + | + | + | A | + | + | A | + | + | + | + | + | + | + | + | + | A | + | + | 45 | |
| Intestine Small, Ileum | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | 45 | |
| Intestine Small, Jejunum | A | + | A | + | + | + | + | + | A | A | + | + | A | + | + | + | + | + | + | + | + | + | A | + | A | 40 | |
| Liver | + | 50 | |
| Basophilic Focus | 1 | |
| Cytoplasmic Alteration | 1 | 1.0 |
| Eosinophilic Focus | 9 | |
| Fatty Change | 1 | | | | | | | | 2 | 1 | 1 | 1 | | | | X | 1 | | | | 1 | 1 | | | | 15 | 1.3 |
| Hematopoietic Cell Proliferation | | 1 | 1.0 |
| Inflammation, Suppurative | 1 | 2.0 |
| Inflammation, Chronic Active | 1 | 1.1 |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

x .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

Page 125

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

TDMS No. 99023 - 04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 07/26/2007
Time Report Requested: 09:29:40
First Dose M/F: 04/11/02 / 04/10/02
Lab: BAT

| DAY ON TEST | | 0 | | |
|--------------------------------|--|----------|
| | | 4 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 3 | 4 | 7 | 7 | 4 | 7 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | | |
| | | 3 | 8 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 7 | 3 | 2 | 2 | 3 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | | |
| | | 9 | 7 | 6 | 5 | 6 | 6 | 5 | 6 | 6 | 6 | 5 | 6 | 6 | 8 | 8 | 6 | 9 | 5 | 5 | 5 | 6 | 5 | 6 | 5 | 6 | |
| B6C3F1 MICE 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 | 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 |

| | | |
|---------------------|-------|-------|
| Blood Vessel | 1 | |
| Aorta, Inflammation | 1 2.0 | |
| <hr/> | | |
| Heart | + | + | 50 |
| Cardiomyopathy | 1 | | | | | | | | | | | 1 | | | | | | | | | | | | | 4 1.0 |
| Fibrosis | 1 3.0 | |
| Mineralization | 1 | 5 1.2 |
| Valve, Thrombosis | 1 4.0 | |

ENDOCRINE SYSTEM

| | | |
|----------------------------|-------|--------|
| Adrenal Cortex | + | + | 50 |
| Subcapsular, Hyperplasia | 2 | 3 | 3 | 2 | 3 | 2 | 2 | 2 | 2 | 2 | 2 | 3 | 2 | 3 | 3 | 2 | 4 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 50 2.4 |
| Adrenal Medulla | + | + | 50 |
| Islets, Pancreatic | + | + | 48 |
| Parathyroid Gland | + | + | M | + | M | 44 |
| Pituitary Gland | + | + | 50 |
| Pars Distalis, Hyperplasia | 2 2.0 | |
| Thyroid Gland | + | + | 50 |
| Inflammation | | | | | | | | | | | | | | | | | 2 | | | | | | | | 1 1.0 |
| Follicle, Cyst | 3 1.7 | |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

x .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

Page 127

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

TDMS No. 99023 - 04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 07/26/2007
Time Report Requested: 09:29:40
First Dose M/F: 04/11/02 / 04/10/02
Lab: BAT

| | | |
|--------------------------------|-------------|----------|
| | DAY ON TEST | 0 | 0 | |
| | | 4 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 3 | 4 | 7 | 7 | 4 | 7 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | |
| | | 3 | 8 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 7 | 3 | 2 | 2 | 3 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | |
| | | 9 | 7 | 6 | 5 | 6 | 6 | 5 | 6 | 6 | 6 | 5 | 6 | 6 | 8 | 8 | 6 | 9 | 5 | 5 | 5 | 6 | 5 | 6 | |
| B6C3F1 MICE 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 | 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 | |

GENERAL BODY SYSTEM

| | |
|------------|---|
| Tissue NOS | 1 |
|------------|---|

GENITAL SYSTEM

| | | |
|---------------------------|----|--------|
| Clitoral Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | 49 |
| Ovary | + | 49 |
| Angiectasis | | 2 1.5 |
| Atrophy | | 2 | 2 | 1 | 1 | 4 | 1 | | 4 | 1 | | 3 | 4 | 4 | | 4 | 4 | 3 | 2 | 1 | 3 | 3 | 3 | 1 | 3 | | 43 3.0 |
| Hyperplasia, Tubular | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | 2 1.5 |
| Thrombosis | | 1 4.0 |
| Germinal Epithelium, Cyst | | 1 4.0 |
| Rete Ovarii, Cyst | | | | | | | | | | | | | | 4 | | | | | | | | | | | | | 2 3.5 |
| Uterus | + | 50 | |
| Angiectasis | 1 | | | | | | 2 1.5 |
| Endometrium, Hyperplasia | 2 | | 1 | 2 | 1 | 1 | | | | | | | | 3 | | 1 | | | | | 1 | | 1 | 3 | | | 23 1.7 |

HEMATOPOIETIC SYSTEM

| | | | | |
|---------------|----|---|----|-----|
| Bone Marrow | + | 50 | | | |
| Atrophy | 3 | 2 | 2 | 3 | 2 | 2 | 3 | 1 | | 3 | 3 | 3 | 2 | | | 3 | | 3 | 3 | 3 | 3 | 3 | 2 | 3 | 2 | 29 | 2.6 |
| Myelofibrosis | | | | | | | | | | | | | | 2 | 1 | | | | | | | | | | | 3 | 1.3 |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

x .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

Page 128

TDMS No. 99023 - 04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 07/26/2007
Time Report Requested: 09:29:40
First Dose M/F: 04/11/02 / 04/10/02
Lab: BAT

| | | |
|--------------------------------|-------------|----------|
| B6C3F1 MICE FEMALE
1.0 G/KG | DAY ON TEST | 0 | 0 | |
| | | 4 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 3 | 4 | 7 | 7 | 4 | 7 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | |
| | | 3 | 8 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 7 | 3 | 2 | 2 | 3 | 3 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | |
| | | 9 | 7 | 6 | 5 | 6 | 6 | 5 | 6 | 6 | 6 | 5 | 6 | 6 | 8 | 8 | 6 | 9 | 5 | 5 | 5 | 6 | 5 | 6 | |
| | ANIMAL ID | 0 | 0 | |
| | 0 | 0 | 0 | | |
| | 3 | 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 | |

NERVOUS SYSTEM

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

RESPIRATORY SYSTEM

| | |
|---|--------|
| Lung | + | 50 |
| Hyperplasia, Lymphoid | 1 2.0 |
| Inflammation, Chronic Active | 3 1.0 |
| Alveolar Epithelium, Hyperplasia | 5 2.2 |
| Alveolus, Infiltration Cellular, Histiocyte | | 1 1.0 |
| Bronchiole, Hyperplasia | 1 2.0 |
| Serosa, Inflammation, Suppurative | 1 2.0 |
| Nose | + | 50 |
| Olfactory Epithelium, Degeneration | 12 1.1 |
| Trachea | + | 50 |

SPECIAL SENSES SYSTEM

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

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

x .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

Page 130

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

TDMS No. 99023 - 04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 07/26/2007
Time Report Requested: 09:29:40
First Dose M/F: 04/11/02 / 04/10/02
Lab: BAT

| | | |
|--------------------------------|-------------|----------|
| | DAY ON TEST | 0 | 0 | |
| | | 4 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 3 | 4 | 7 | 7 | 4 | 7 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | |
| | | 3 | 8 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 7 | 3 | 2 | 2 | 3 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | |
| | | 9 | 7 | 6 | 5 | 6 | 6 | 5 | 6 | 6 | 6 | 5 | 6 | 6 | 8 | 8 | 6 | 9 | 5 | 5 | 5 | 6 | 5 | 6 | 5 | 6 |
| B6C3F1 MICE 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 | |

URINARY SYSTEM

| | | |
|-----------------------------------|----|--------|
| Kidney | + | 50 | |
| Accumulation, Hyaline Droplet | | 1 3.0 |
| Infarct | | 1 1.0 |
| Mineralization | | | | | 1 | | 1 | 1 | | | | | | 1 | | | 1 | | | | | | | | | | 8 1.3 |
| Nephropathy | 1 | | | | | | | | | | | | | | | 1 | | | | | | | | | | | 16 1.0 |
| Papilla, Inflammation | | | | 1 | | | | | 2 | | | | | | | | | | | | | | | | | | 2 1.5 |
| Renal Tubule, Necrosis | | 3 | 3 | 2 | | 2 | 2 | 2 | 3 | | | | 1 | 2 | | | | 2 | | 2 | | | 3 | 4 | 2 | 1 | 17 2.4 |
| Urinary Bladder | + | 49 | |
| Infiltration Cellular, Lymphocyte | | 1 3.0 |

*** END OF REPORT ***