

TDMS No. 20107 - 04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
N,N-Dimethyl-p-toluidine
CAS Number: 99-97-8

Date Report Requested: 03/10/2011
Time Report Requested: 11:42:39
First Dose M/F: 10/26/04 / 10/25/04
Lab: BAT

F1_M3

C Number: C20107
Lock Date: 02/26/2008
Cage Range: ALL
Date Range: ALL
Reasons For Removal: ALL
Removal Date Range: ALL
Treatment Groups: Include ALL
Study Gender: Both
TDMSE Version: 2.3.0
PWG Approval Date: NONE

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B6C3F1 MICE MALE	DAY ON TEST	0																				males (cont...)				
		7 3 1	7 3 1	7 2 7	7 3 2	7 3 3	7 3 1	0 0 4	0 5 2	0 5 1	0 7 0	0 5 8	0 7 3	0 5 3	0 7 3	0 7 3	0 7 3	0 7 3	0 7 3	0 0 4	0 5 4		0 6 5	0 7 1	0 7 3	0 7 0
0 MG/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 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

ALIMENTARY SYSTEM

Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Necrosis																												
Perforation																												
Periesophageal Tissue, Inflammation																												
Gallbladder	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Liver	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Angiectasis																												
Basophilic Focus																												
Clear Cell Focus																												
Eosinophilic Focus	X		X	X			X						X	X	X	X	X	X	X	X	X				X	X		
Hematopoietic Cell Proliferation			2																									
Inflammation, Chronic Active			1			1						1	1	1			2	1	1								1	
Mitotic Alteration																											1	
Mixed Cell Focus	X		X	X				X	X				X	X	X		X										X	
Necrosis										2				1	X	X		2			1							

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 1) Minimal 3) Moderate
 2) Mild 4) Marked

B6C3F1 MICE MALE 0 MG/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	0	ANIMAL ID	males (cont...)
		7	7	7	7	7	0	5	5	7	5	7	6	7	7	7	7	7	7	7	0	5	6	7	7	7		
		3	3	2	3	3	0	6	6	3	8	3	9	3	3	3	3	3	3	3	0	8	8	3	3	3	0	
		1	1	7	2	1	4	2	1	0	8	1	8	2	1	1	1	1	1	1	2	4	4	5	1	0	0	
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
		0	0	0	0	0	0	0	0	0	0	0	0	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	0	
		1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	1	

Bile Duct, Hyperplasia
 Centrilobular, Degeneration
 Hepatocyte, Hypertrophy
 Hepatocyte, Karyomegaly
 Oval Cell, Hyperplasia

Mesentery
 Inflammation, Suppurative
 Fat, Necrosis
 Vein, Thrombosis

Pancreas

Salivary Glands
 Fibrosis

Stomach, Forestomach

Erosion
 Inflammation
 Ulcer
 Epithelium, Hyperplasia

Stomach, Glandular
 Epithelium, Necrosis

Tongue
 Angiectasis
 Cyst

Tooth

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B6C3F1 MICE MALE 0 MG/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	0	0	ANIMAL ID	males (cont...)		
		7	7	7	7	7	0	5	5	7	5	7	6	7	7	7	7	7	7	7	7	7	7	0	5	6	7			7	7
		3	3	2	3	3	0	6	6	3	8	3	9	3	3	3	3	3	3	3	3	3	0	8	8	3	3	3			
		1	1	7	2	1	4	2	1	0	8	1	8	2	1	1	1	1	1	1	1	1	1	2	4	4	5	1	0		
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
		1	2	3	4	5	6	7	8	9	0	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2		

Dysplasia X

CARDIOVASCULAR SYSTEM

Blood Vessel +

Heart +

 Cardiomyopathy 1

 Inflammation 2

 Valve, Thrombosis 3

ENDOCRINE SYSTEM

Adrenal Cortex +

 Hypertrophy

Adrenal Medulla +

 Hyperplasia

Islets, Pancreatic +

 Hyperplasia 2

Parathyroid Gland + + + + M + + + + M + + M + + + + + + + + + + M + +

Pituitary Gland +

 Pars Distalis, Hyperplasia 1

Thyroid Gland +

GENERAL BODY SYSTEM

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	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 MG/KG		7	7	7	7	7	0	5	5	7	5	7	6	7	7	7	7	7	7	7	7	0	5	6	7	7	7	
		3	3	2	3	3	0	6	6	3	8	3	9	3	3	3	3	3	3	3	3	0	8	8	3	3	3	
		1	1	7	2	1	4	2	1	0	8	1	8	2	1	1	1	1	1	1	1	2	4	4	5	1	0	0
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
		0	0	0	0	0	0	0	0	0	0	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	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...)																												

NONE

GENITAL SYSTEM

Epididymis	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Preputial Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Atrophy												4														
Ectasia																							2			
Prostate	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Inflammation																										
Epithelium, Hyperplasia																								1		
Seminal Vesicle	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Inflammation																										
Mineralization																										4
Testes	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Interstitial Cell, Hyperplasia																										

HEMATOPOIETIC SYSTEM

Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Atrophy																										
Hyperplasia																										1
Lymph Node																										
Lymph Node, Mandibular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Atrophy																										

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	0	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	0	5	5	7	5	7	6	7	7	7	7	7	7	7	0	5	6	7	7	7	
ANIMAL ID																										
Bone Fibrosis	1	1	2	3	3	4	5	6	7	8	9	0	1	1	2	3	4	5	6	7	8	9	0	1		
NERVOUS SYSTEM																										
Brain	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
RESPIRATORY SYSTEM																										
Lung Foreign Body	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Alveolar Epithelium, Hyperplasia																										
Alveolar Epithelium, Metaplasia							1																			
Alveolus, Infiltration Cellular, Histiocyte																		2								
Mediastinum, Inflammation																										
Serosa, Inflammation																										
Nose Inflammation	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+		
Polyp, Inflammatory																										
Glands, Olfactory Epithelium, Dilatation																										
Glands, Olfactory Epithelium, Hyperplasia																										
Glands, Olfactory Epithelium, Metaplasia, Respiratory																										
Glands, Respiratory Epithelium, Dilatation																										
Glands, Respiratory Epithelium, Hyperplasia																										
Glands, Respiratory Epithelium, Metaplasia, Respiratory																										
Nerve, Atrophy																										
Olfactory Epithelium, Accumulation, Hyaline Droplet	1	1						1	2		1															

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	0 7 3 1	0 7 3 1	0 7 2 7	0 7 3 2	0 7 3 1	0 7 0 4	0 5 6 2	0 5 6 1	0 7 3 8	0 5 7 1	0 7 3 8	0 6 9 2	0 7 3 1	0 7 3 1	0 7 3 1	0 7 3 1	0 7 3 1	0 7 3 1	0 7 3 1	0 0 8 4	0 5 8 5	0 6 8 1	0 7 3 0	0 7 3 0				
	0	0	0	0	0	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		
Olfactory Epithelium, Metaplasia, Respiratory			1						1					1			1				2			1	1			
Olfactory Epithelium, Necrosis																												
Respiratory Epithelium, Accumulation, Hyaline Droplet			1	2					1			1		1	1		1	1	1				1	1	1			
Respiratory Epithelium, Hyperplasia			1	2	1	2			1	1	1			1		1	2	2			1	1	1		1	2		
Trachea	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			
SPECIAL SENSES SYSTEM																												
Ear																												
External Ear, Inflammation																												+
External Ear, Necrosis																												2
Eye	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			
Cornea, Inflammation																												
Harderian Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			
Hyperplasia																												
Zymbal's Gland																												
URINARY SYSTEM																												
Kidney	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			
Accumulation, Hyaline Droplet																												
Infarct																												2
Inflammation																												2
Mineralization			1																									1 2
Nephropathy	3	3		2	1			1	2					3	2	1	1	1	1	1			1				2 2 1 1	
Cortex, Cyst																												1

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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0	0	
0 MG/KG	7	7	7	7	7	0	5	5	7	5	7	6	7	7	7	7	7	7	7	7	0	5	6	7	7	7
	3	3	2	3	3	0	6	6	3	8	3	9	3	3	3	3	3	3	3	0	8	8	3	3	3	
	1	1	7	2	1	4	2	1	0	8	1	8	2	1	1	1	1	1	1	2	4	4	5	1	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	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	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	
Papilla, Necrosis																					3					
Pelvis, Dilatation																					2					
Ureter																					+					
Inflammation																					2					
Necrosis																					2					
Urinary Bladder	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	

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B6C3F1 MICE MALE	0 MG/KG	DAY ON TEST	0156	0732	0732	0731	0771	0571	0772	0772	0772	0772	0578	0768	0771	0776	0777	0777	0773	0773	0773	0674	0772	* TOTALS	
		ANIMAL ID	0002	0002	0002	0003	0003	0003	0003	0003	0003	0003	0003	0004	0004	0004	0004	0004	0004	0004	0004	0004	0005		0006
			6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6		7

ALIMENTARY SYSTEM

Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50					
Necrosis																										1	4.0			
Perforation																										1				
Periesophageal Tissue, Inflammation																										1	1.5			
Gallbladder	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	49					
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50					
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50					
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50					
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50					
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50					
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50					
Liver	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50					
Angiectasis																										1	3	1.0		
Basophilic Focus																												5		
Clear Cell Focus			X	X																								15		
Eosinophilic Focus			X		X	X	X																					25		
Hematopoietic Cell Proliferation			1																									4	1.3	
Inflammation, Chronic Active			1		1		1																					23	1.0	
Mitotic Alteration																													1	1.0
Mixed Cell Focus			X	X																									21	
Necrosis																													9	1.6

* .. 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. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 N,N-Dimethyl-p-toluidine
 CAS Number: 99-97-8

Date Report Requested: 03/10/2011
 Time Report Requested: 11:42:39
 First Dose M/F: 10/26/04 / 10/25/04
 Lab: BAT

B6C3F1 MICE MALE	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
		1	7	7	7	7	7	5	7	7	7	7	5	7	6	7	7	6	7	7	7	7	6	7
0 MG/KG	ANIMAL ID	5	3	3	3	3	9	3	3	3	3	4	3	7	3	3	5	3	3	3	3	4	2	
		6	2	2	1	1	1	2	1	2	2	2	8	1	8	1	1	5	3	3	3	3	4	6
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		2	2	2	2	3	3	3	3	3	3	3	3	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	
																						* TOTALS		
Bile Duct, Hyperplasia																						1	1	1.0
Centrilobular, Degeneration																						2	1	2.0
Hepatocyte, Hypertrophy																						1	1	1.0
Hepatocyte, Karyomegaly																						1	1	1.0
Oval Cell, Hyperplasia																						1	1	1.0
Mesentery																							4	
Inflammation, Suppurative																							1	4.0
Fat, Necrosis																						2	2	2.0
Vein, Thrombosis																							1	3.0
Pancreas																							50	
Salivary Glands																							50	
Fibrosis																						1	1	1.0
Stomach, Forestomach																							50	
Erosion																						1	2	1.0
Inflammation																						3	13	1.8
Ulcer																						2	5	1.4
Epithelium, Hyperplasia																						2	14	2.3
Stomach, Glandular																							50	
Epithelium, Necrosis																							1	1.0
Tongue																							2	
Angiectasis																							1	3.0
Cyst																							1	2.0
Tooth																							37	

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 + .. Tissue examined microscopically
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 I .. Insufficient tissue
 M .. Missing tissue
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 BLANK .. Not examined microscopically
 1-4 .. Lesion qualified as:
 1) Minimal 3) Moderate
 2) Mild 4) Marked

TDMS No. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 03/10/2011

Time Report Requested: 11:42:39

First Dose M/F: 10/26/04 / 10/25/04

Lab: BAT

B6C3F1 MICE MALE 0 MG/KG	DAY ON TEST	ANIMAL ID																								* TOTALS	
		000000000000000000000000	000000000000000000000000	000000000000000000000000	000000000000000000000000	000000000000000000000000	000000000000000000000000	000000000000000000000000	000000000000000000000000	000000000000000000000000	000000000000000000000000	000000000000000000000000	000000000000000000000000	000000000000000000000000	000000000000000000000000	000000000000000000000000	000000000000000000000000	000000000000000000000000	000000000000000000000000	000000000000000000000000	000000000000000000000000	000000000000000000000000	000000000000000000000000				
		156	156	156	156	156	156	156	156	156	156	156	156	156	156	156	156	156	156	156	156	156	156	156	156		156
Dysplasia		X	X	X	X					X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	34

CARDIOVASCULAR SYSTEM

Blood Vessel	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Heart	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Cardiomyopathy				1											1												8 1.0
Inflammation																											2 2.0
Valve, Thrombosis																											1 3.0

ENDOCRINE SYSTEM

Adrenal Cortex Hypertrophy	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50 3 1.0
Adrenal Medulla Hyperplasia	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50 1 1.0
Islets, Pancreatic Hyperplasia	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50 12 1.5
Parathyroid Gland	+	+	+	M	M	M	+	+	M	+	+	+	+	+	M	M	+	+	+	+	+	+	+	+	+	+	40
Pituitary Gland Pars Distalis, Hyperplasia	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50 1 1.0
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50

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

B6C3F1 MICE MALE 0 MG/KG	DAY ON TEST																				* TOTALS								
	0 1 5 6	0 7 3 2	0 7 3 2	0 7 3 1	0 7 3 1	0 7 3 1	0 5 9 2	0 7 3 1	0 7 3 2	0 7 3 1	0 7 3 2	0 5 3 2	0 7 3 2	0 5 3 2	0 7 3 2	0 6 7 1	0 7 3 1	0 6 3 1	0 7 3 2	0 7 3 2		0 6 4 3	0 7 2 6						
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 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				
Hyperplasia, Lymphoid Necrosis	2					3										2	2.5	1	2.0										
Lymph Node, Mesenteric Atrophy	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	13	2.2	
Spleen Atrophy	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	48	4	2.5	
Hematopoietic Cell Proliferation	3		2		3	1	3					2	4				3	2								15	2.3		
Hyperplasia, Lymphoid Necrosis, Lymphoid															2											5	2.2		
Pigmentation		1	1	1	1		1	2	1	1	1				1	1	1		1	1	1	1	1	1	1	38	1.0		
Red Pulp, Atrophy							2	2	2																	4	2.0		
Thymus Atrophy	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	48	41	3.1	
Hyperplasia, Lymphoid Necrosis		3	4	3	4	3	3	4	1	3	4		2	4	3	2	2	3	2	3	2	4	2	4	4		1	3.0	
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	M	M	0		
Skin Inflammation	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	3	3.0
Ulcer																4											4	3.5	
Dermis, Fibrosis																											2	2.0	
Epidermis, Hyperplasia																											1	2.0	

MUSCULOSKELETAL SYSTEM

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 I .. Insufficient tissue
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 BLANK .. Not examined microscopically
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 1) Minimal 3) Moderate
 2) Mild 4) Marked

TDMS No. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 N,N-Dimethyl-p-toluidine
 CAS Number: 99-97-8

Date Report Requested: 03/10/2011
 Time Report Requested: 11:42:39
 First Dose M/F: 10/26/04 / 10/25/04
 Lab: BAT

B6C3F1 MICE MALE	DAY ON TEST																				* TOTALS		
	01	07	07	07	07	07	05	07	07	07	07	05	07	06	07	07	06	07	07	07		06	07
0 MG/KG	ANIMAL ID																						
	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	
	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	
	02	02	02	02	03	03	03	03	03	03	03	03	03	03	04	04	04	04	04	04	04	04	
	06	07	08	09	00	01	02	03	04	05	06	07	08	09	00	01	02	03	04	05	06	07	
Bone Fibrosis	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50 1 1.0
NERVOUS SYSTEM																							
Brain	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
RESPIRATORY SYSTEM																							
Lung	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Foreign Body																							1
Alveolar Epithelium, Hyperplasia								1													1		3 1.0
Alveolar Epithelium, Metaplasia																							1 1.0
Alveolus, Infiltration Cellular, Histiocyte																							1 2.0
Mediastinum, Inflammation																							1 3.0
Serosa, Inflammation																							1 3.0
Nose	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Inflammation				1					1		1						1			1	1		13 1.1
Polyp, Inflammatory									X														3
Glands, Olfactory Epithelium, Dilatation																			1				4 1.0
Glands, Olfactory Epithelium, Hyperplasia																					1		4 1.0
Glands, Olfactory Epithelium, Metaplasia, Respiratory																					1		5 1.0
Glands, Respiratory Epithelium, Dilatation		1								1					1			1	1		1		17 1.0
Glands, Respiratory Epithelium, Hyperplasia																							4 1.0
Glands, Respiratory Epithelium, Metaplasia, Respiratory																							2 1.5
Nerve, Atrophy																							2 1.0
Olfactory Epithelium, Accumulation, Hyaline Droplet		1		1		1	2					1	1	1									12 1.2

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

TDMS No. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 N,N-Dimethyl-p-toluidine
 CAS Number: 99-97-8

Date Report Requested: 03/10/2011
 Time Report Requested: 11:42:39
 First Dose M/F: 10/26/04 / 10/25/04
 Lab: BAT

B6C3F1 MICE MALE 0 MG/KG	DAY ON TEST																				* TOTALS		
	0156	0172	0173	0173	0173	0173	0175	0177	0177	0177	0177	0177	0175	0177	0176	0177	0177	0177	0177	0177		0176	0177
ANIMAL ID	00026	00007	00008	00009	00010	00011	00012	00013	00014	00015	00016	00017	00018	00019	00020	00021	00022	00023	00024	00025	00026	00027	
Olfactory Epithelium, Metaplasia, Respiratory								1		1					3								
Olfactory Epithelium, Necrosis																					1		
Respiratory Epithelium, Accumulation, Hyaline Droplet				1		1	1		2	2		1	1	1	1			1			1	1	
Respiratory Epithelium, Hyperplasia			1	1	2	1	1		1	1	1	1	1	1	1	1	2		2	1	2	1	1
Trachea	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
SPECIAL SENSES SYSTEM																							
Ear																						1	
External Ear, Inflammation																						1	
External Ear, Necrosis																						1	
Eye	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Cornea, Inflammation															3					1	2		
Harderian Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Hyperplasia							1																
Zymbal's Gland																						1	
URINARY SYSTEM																							
Kidney	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Accumulation, Hyaline Droplet												2											
Infarct							2		1														
Inflammation							3																
Mineralization																					1		
Nephropathy			1	2	2	1	3		1	2	2			2	2	1	1	1	1	2	1	2	
Cortex, Cyst												1									1	1	

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TDMS No. 20107 - 04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
N,N-Dimethyl-p-toluidine
CAS Number: 99-97-8

Date Report Requested: 03/10/2011
Time Report Requested: 11:42:39
First Dose M/F: 10/26/04 / 10/25/04
Lab: BAT

		DAY ON TEST																								
		01	07	07	07	07	07	05	07	07	07	07	07	05	07	06	07	07	07	07	07	06	07			
B6C3F1 MICE MALE	0 MG/KG	5	3	3	3	3	3	9	3	3	3	3	3	4	3	7	3	3	5	3	3	3	3	4	2	
		6	2	2	1	1	1	1	2	1	2	2	2	8	1	8	1	1	5	1	1	1	2	2	3	
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	ANIMAL ID	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	
		22	22	22	22	33	33	33	33	33	33	33	33	33	33	44	44	44	44	44	44	44	44	44	55	
		66	77	88	99	00	11	22	33	44	55	66	77	88	99	00	11	22	33	44	55	66	77	88	99	00
																								* TOTALS		
Papilla, Necrosis																								1	3.0	
Pelvis, Dilatation																								1	1.5	
Ureter																								1		
Inflammation																								1	2.0	
Necrosis																								1	2.0	
Urinary Bladder		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50

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B6C3F1 MICE MALE	DAY ON TEST	0732	0731	0774	0773	0771	0771	0677	0771	0771	0771	0773	0773	0773	0773	0579	0773	0773	0675	0773	0773	0773	0575	0773	0775	0773	males (cont...)
	6 MG/KG	ANIMAL ID	0051	0052	0053	0054	0055	0056	0057	0058	0059	0060	0061	0062	0063	0064	0065	0066	0067	0068	0069	0070	0071	0072	0073	0074	

ALIMENTARY SYSTEM

Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Gallbladder	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Small, Jejunum Peyer's Patch, Hyperplasia	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Liver	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Angiectasis																										
Basophilic Focus									X	X		X			X		X		X			X			X	
Clear Cell Focus	X		X			X	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	
Fatty Change																								3		
Hematopoietic Cell Proliferation																										
Inflammation, Chronic Active	1	1	1	1	1	1	1			1	1												1	1		
Mineralization																										
Mitotic Alteration																										
Mixed Cell Focus	X		X	X							X	X	X		X							X	X			
Necrosis			3				3		2					X	X	X		X		3						

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M .. Missing tissue

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TDMS No. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 N,N-Dimethyl-p-toluidine
 CAS Number: 99-97-8

Date Report Requested: 03/10/2011
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 First Dose M/F: 10/26/04 / 10/25/04
 Lab: BAT

B6C3F1 MICE MALE 6 MG/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	ANIMAL ID	males (cont...)
		7	7	7	7	7	7	6	7	7	7	7	7	7	5	7	7	6	7	5	7	7	7	5	7		
		3	3	1	3	3	3	9	3	3	3	3	3	3	3	3	5	3	8	3	3	3	5	3			
		2	1	4	1	1	1	7	1	1	1	2	0	0	9	0	2	9	0	6	2	0	2	0			
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
		5	5	5	5	5	5	5	5	5	6	6	6	6	6	6	6	6	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				

Granuloma Sperm

Preputial Gland
Ectasia
Inflammation

+ +

Prostate
Inflammation

+ +

Seminal Vesicle
Inflammation

+ +

Testes
Hyperplasia, Oncocytic
Germinal Epithelium, Degeneration

+
 2

HEMATOPOIETIC SYSTEM

Bone Marrow
Hyperplasia
Thrombosis

+
 1 2 1
 2

Lymph Node

+
 +

Lymph Node, Mandibular
Atrophy
Hyperplasia, Lymphoid

+
 2 2

Lymph Node, Mesenteric
Atrophy

+
 2 2 2 3 3

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 Lab: BAT

| B6C3F1 MICE MALE
6 MG/KG | DAY ON TEST | | | | | | | | | | | | | | | | | | | | | | | | | | ANIMAL ID | males
(cont...) |
|----------------------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|-----------|--------------------|
| | 0
7
3
2 | 0
7
3
1 | 0
7
1
4 | 0
7
3
1 | 0
7
3
1 | 0
7
3
1 | 0
7
3
1 | 0
6
9
7 | 0
7
3
1 | 0
7
3
1 | 0
7
3
1 | 0
7
3
1 | 0
6
9
1 | 0
7
3
1 | 0
7
3
1 | 0
7
3
1 | 0
5
3
9 | 0
7
3
0 | 0
7
3
2 | 0
6
8
6 | 0
7
3
0 | 0
5
3
2 | 0
7
3
0 | 0
7
3
2 | 0
5
3
0 | 0
7
5
1 | | |
| Spleen | + | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Atrophy | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Hematopoietic Cell Proliferation | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Hyperplasia, Lymphoid | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Pigmentation | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Red Pulp, Atrophy | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Thymus | + | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Atrophy | 3 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| INTEGUMENTARY SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Mammary Gland | M | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Skin | + | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Inflammation | + | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Ulcer | + | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| MUSCULOSKELETAL SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Bone | + | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Fracture | + | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Osteopetrosis | X | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Skeletal Muscle | + | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| NERVOUS SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Brain | + | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Olfactory Lobe, Atrophy | 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

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

RESPIRATORY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Lung | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Alveolar Epithelium, Hyperplasia | 3 | | | | | | 3 | 1 | | | | | | 2 | | | | | | | | | | | |
| Alveolus, Infiltration Cellular, Histiocyte | | | | | | | | | | | | | | 2 | | | | | | | | | | | |
| Artery, Inflammation | | | | | | | | | | | | | | | | | | | | | | | | 3 | |
| Bronchiole, Epithelium, Hyperplasia | | | | | | | | | 2 | | | | | | | | | | | | | | | | |
| Nose | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Foreign Body | | | | | X | | | | | | | | | | | | | | | | | | | | |
| Hyperplasia | | | | | | | | | | | | | | | | | | | | | | | | | |
| Inflammation | | | | 1 | 1 | | | 1 | | | 1 | | | | 1 | | | 1 | | | | | 1 | | |
| Polyp, Inflammatory | | | | | | | | | | | | | | | X | | | | | | | | | | |
| Glands, Olfactory Epithelium, Dilatation | | | 1 | | | | | 1 | | 1 | 1 | | | | 1 | | 1 | | | 1 | | | | | |
| Glands, Olfactory Epithelium, Hyperplasia | | | | | | | | 1 | | 1 | 2 | | | 1 | | 1 | 1 | 1 | | | | | | | |
| Glands, Olfactory Epithelium, Metaplasia, Respiratory | | | | | | | | 1 | | 1 | 1 | | | | | | | | | | | | | | |
| Glands, Respiratory Epithelium, Dilatation | | | | | | 1 | 1 | 1 | | | | | | 1 | | | | 1 | | 1 | 1 | 1 | | 1 | |
| Glands, Respiratory Epithelium, Hyperplasia | | | | | | | | | | | | | | | | | | | | | | 1 | | | |
| Glands, Respiratory Epithelium, Metaplasia, Respiratory | | | | | | | | | | | | | | | | 1 | | | | | | | | | |
| Nerve, Atrophy | | | | | | | | | | | | | | | 2 | 1 | | | 1 | 1 | 1 | | 1 | 1 | |
| Olfactory Epithelium, Accumulation, Hyaline Droplet | 2 | | | 2 | | 1 | 1 | | 1 | | 1 | | | 2 | | | 1 | | 1 | 1 | | | 1 | 1 | |
| Olfactory Epithelium, Metaplasia, Respiratory | | | | | | | | 2 | | 1 | 1 | | | | 2 | | | | | | | 1 | | | |
| Olfactory Epithelium, Necrosis | | | | | | | | | | | | | | | 2 | | | | | | 1 | | | | |
| Respiratory Epithelium, Accumulation, Hyaline Droplet | | | | 1 | | 1 | 2 | 1 | 2 | | | | 2 | | 2 | 1 | | 1 | 1 | 1 | | | | 1 | |
| Respiratory Epithelium, Hyperplasia | 1 | 1 | 2 | | 2 | 2 | 1 | 2 | 1 | | | 2 | 1 | 1 | | 1 | | 1 | 1 | 1 | 2 | 1 | 2 | | |
| Respiratory Epithelium, Necrosis | | | | | | | | | | | | | | | | | | | | | 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

TDMS No. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 N,N-Dimethyl-p-toluidine
 CAS Number: 99-97-8

Date Report Requested: 03/10/2011
 Time Report Requested: 11:42:39
 First Dose M/F: 10/26/04 / 10/25/04
 Lab: BAT

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

Vomer nasal Organ, Necrosis

2

Trachea

+ +

SPECIAL SENSES SYSTEM

Eye

+ +

Cornea, Inflammation
 Optic Nerve, Atrophy

Harderian Gland
 Hyperplasia

+
 3 1 2

URINARY SYSTEM

Kidney

+ +

Infarct
 Inflammation
 Mineralization
 Nephropathy
 Cortex, Cyst
 Papilla, Necrosis

2 1 1 2 2 1 3 2 2 2 2 2 1 2 2 2 3 3 1 2 2 3 3

Urethra

Inflammation
 Necrosis

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

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

ALIMENTARY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | |
|----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--------|
| Esophagus | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Gallbladder | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Intestine Large, Cecum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Intestine Large, Colon | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Intestine Large, Rectum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Intestine Small, Duodenum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Intestine Small, Ileum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Intestine Small, Jejunum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Peyer's Patch, Hyperplasia | | | | | | | | | | | | | | | | | 3 | | | | | | 1 3.0 |
| Liver | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Angiectasis | | | | | | | | | | | | | | | | | | | | | | 1 | 1 1.0 |
| Basophilic Focus | | | | | | | | | | | | | | | | X | | | X | X | | | 11 |
| Clear Cell Focus | | | X | | X | X | | X | | X | X | | | | X | | X | X | | | | X | 22 |
| Eosinophilic Focus | | | X | | X | | | X | X | X | X | | | X | | X | X | X | X | X | X | X | 30 |
| Fatty Change | | | | | | 3 | | | | | | | | | | 2 | | | | | | | 3 2.7 |
| Hematopoietic Cell Proliferation | | | | | | | | | | | | 1 | | | | | | | | | | | 1 1.0 |
| Inflammation, Chronic Active | | | | 1 | 1 | | | 1 | | | 1 | | | 1 | | | | 1 | 1 | | 1 | 1 | 22 1.0 |
| Mineralization | | | | | | | | | | | | | | | | 1 | | | | | | | 1 1.0 |
| Mitotic Alteration | | | | | | | | | | | | 1 | | | | | | | | | | | 1 1.0 |
| Mixed Cell Focus | | | X | X | | X | X | | X | X | X | X | | X | X | X | X | | X | | X | X | 25 |
| Necrosis | | | | 3 | | | | | | | | | | | 3 | 2 | | | | | | 1 | 8 2.5 |

* .. 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

| B6C3F1 MICE MALE
6 MG/KG | DAY ON TEST | | | | | | | | | | | | | | | | | | | | | | | * TOTALS |
|-----------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|------------|
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | 6 | 7 | 7 | 5 | 7 | 7 | 7 | 7 | 7 | 7 | 6 | 7 | 7 | 5 | 7 | 5 | 7 | 7 | 7 | 5 | 7 | 7 | 7 | |
| | 9 | 3 | 3 | 7 | 3 | 3 | 3 | 3 | 3 | 0 | 0 | 6 | 3 | 3 | 5 | 3 | 6 | 3 | 3 | 9 | 3 | 3 | 3 | |
| | 4 | 0 | 2 | 8 | 1 | 1 | 2 | 0 | 2 | 4 | 2 | 6 | 1 | 1 | 5 | 2 | 8 | 1 | 1 | 2 | 9 | 2 | 2 | |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| ANIMAL ID | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | 7 | 7 | 7 | 7 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | |
| | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | |
| | | | | | | | | | | | | | | | | | | | | | | | | 3 |
| Pigmentation | 1 | | | | | | | | | | | | | | | | | | | | | | | 1.0 |
| Bile Duct, Cyst | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| Bile Duct, Hyperplasia | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| Hepatocyte, Hypertrophy | 1 1 1 1 1 | | | | | | | | | | | | | | | | | | | | | | | 9 |
| | | | | | | | | | | | | | | | | | | | | | | | | 1.2 |
| Mesentery | | | | | | | | | | | | | | | | | | | | | | | | 3 |
| Fat, Necrosis | + + | | | | | | | | | | | | | | | | | | | | | | | 3 |
| | 2 1 | | | | | | | | | | | | | | | | | | | | | | | 1.7 |
| Pancreas | + | | | | | | | | | | | | | | | | | | | | | | | 50 |
| Atrophy | 1 | | | | | | | | | | | | | | | | | | | | | | | 1 |
| | | | | | | | | | | | | | | | | | | | | | | | | 1.0 |
| Salivary Glands | + | | | | | | | | | | | | | | | | | | | | | | | 50 |
| Stomach, Forestomach | + | | | | | | | | | | | | | | | | | | | | | | | 50 |
| Erosion | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| Inflammation | 3 3 3 3 2 3 2 | | | | | | | | | | | | | | | | | | | | | | | 12 |
| Ulcer | 2 2 2 2 | | | | | | | | | | | | | | | | | | | | | | | 4 |
| Epithelium, Hyperplasia | 4 4 2 3 2 2 3 4 | | | | | | | | | | | | | | | | | | | | | | | 14 |
| | | | | | | | | | | | | | | | | | | | | | | | | 2.7 |
| Stomach, Glandular | + | | | | | | | | | | | | | | | | | | | | | | | 50 |
| Inflammation | 3 | | | | | | | | | | | | | | | | | | | | | | | 1 |
| Epithelium, Necrosis | 2 | | | | | | | | | | | | | | | | | | | | | | | 1 |
| | | | | | | | | | | | | | | | | | | | | | | | | 3.0 |
| | | | | | | | | | | | | | | | | | | | | | | | | 2.0 |
| Tooth | + | | | | | | | | | | | | | | | | | | | | | | | 38 |
| Dysplasia | X | | | | | | | | | | | | | | | | | | | | | | | 36 |

CARDIOVASCULAR SYSTEM

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

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

| B6C3F1 MICE MALE
6 MG/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 | ANIMAL ID | * TOTALS | |
|-----------------------------|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------|----------|---|
| | | 6 | 7 | 7 | 5 | 7 | 7 | 7 | 7 | 7 | 7 | 6 | 7 | 7 | 5 | 7 | 5 | 7 | 7 | 7 | 5 | 7 | 7 | 7 | 7 | | | 7 |
| | | 9 | 3 | 3 | 7 | 3 | 3 | 3 | 3 | 3 | 0 | 0 | 6 | 3 | 3 | 5 | 3 | 6 | 3 | 3 | 3 | 9 | 3 | 3 | 3 | 3 | | |
| | | 4 | 0 | 2 | 8 | 1 | 1 | 2 | 0 | 2 | 4 | 2 | 6 | 1 | 1 | 5 | 2 | 8 | 1 | 1 | 2 | 9 | 2 | 2 | 2 | 2 | | |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | |
| | | 0 | 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 | 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 | | |

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--------------------|---|---|--|--|--|--|--|--|--|---|---|--|--|--|---|--|--|---|--|--|--|--|--|--|--|--|--|---|-----|
| Cardiomyopathy | 1 | 1 | | | | | | | | 1 | 1 | | | | | | | 1 | | | | | | | | | | 7 | 1.1 |
| Mineralization | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | 1 | 1.0 |
| Atrium, Thrombosis | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 2.0 |

ENDOCRINE SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|----------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|-----|-----|--|
| Adrenal Cortex | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | 50 | | | |
| Hypertrophy | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | 3 | 1.3 | |
| Adrenal Medulla | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | 50 | | | |
| Islets, Pancreatic | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | 50 | | | |
| Hyperplasia | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 5 | 1.2 | | |
| Parathyroid Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | M | 43 | |
| Pituitary Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | 50 | | | |
| Pars Distalis, Hyperplasia | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1.0 | | |
| Thyroid Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | 50 | | | |

GENERAL BODY SYSTEM

NONE

GENITAL SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--|----|---|-----|
| Coagulating Gland | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | |
| Inflammation | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | 1 | 2.0 |
| Epididymis | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | 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. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 N,N-Dimethyl-p-toluidine
 CAS Number: 99-97-8

Date Report Requested: 03/10/2011
 Time Report Requested: 11:42:39
 First Dose M/F: 10/26/04 / 10/25/04
 Lab: BAT

| B6C3F1 MICE MALE
6 MG/KG | DAY ON TEST | | | | | | | | | | | | | | | | | | | | | | | | * TOTALS |
|----------------------------------|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|----------|
| | 0694 | 0730 | 0732 | 0578 | 0771 | 0772 | 0773 | 0774 | 0775 | 0776 | 0777 | 0676 | 0777 | 0777 | 0575 | 0777 | 0575 | 0777 | 0777 | 0575 | 0777 | 0777 | 0777 | 0777 | |
| ANIMAL ID | 00076 | 00077 | 00078 | 00079 | 00080 | 00081 | 00082 | 00083 | 00084 | 00085 | 00086 | 00087 | 00088 | 00089 | 00090 | 00091 | 00092 | 00093 | 00094 | 00095 | 00096 | 00097 | 00098 | 00099 | |
| Spleen | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |
| Atrophy | 2 | | | 3 | | | | 3 | | | | | 3 | 1 | | | 3 | | 1 | 1 | | | | 11 2.2 | |
| Hematopoietic Cell Proliferation | 2 | | | 2 | | | | 3 | | 2 | | | 2 | 3 | | | 1 | | 3 | | | | | 18 2.2 | |
| Hyperplasia, Lymphoid | | | | | | | 2 | | | | 1 | 2 | | | | 2 | | | 1 | | | | | 9 1.9 | |
| Pigmentation | | 1 | 1 | | 1 | 1 | 1 | | 1 | 1 | 1 | 1 | 1 | | 1 | 1 | 1 | 2 | 1 | | | 1 | 1 | 34 1.1 | |
| Red Pulp, Atrophy | | 1 | | | | | | | | | | | | | | | | | | | | | | 1 1.0 | |
| Thymus | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 | |
| Atrophy | 3 | 4 | 3 | 4 | 3 | 3 | | 4 | 3 | 3 | 3 | 2 | 3 | 4 | 4 | 4 | 4 | 3 | 3 | 3 | 4 | 3 | 3 | 47 3.2 | |
| 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 | 0 | |
| Skin | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |
| Inflammation | | | | | | | | | | | | | | | | | | | | | | 3 | | 1 3.0 | |
| Ulcer | | | | | | | | | | | | | | | | | | | | | | 3 | | 1 3.0 | |
| MUSCULOSKELETAL SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | | |
| Bone | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |
| Fracture | | | | | | | | | | | | | | | | | | | | | | | | 1 | |
| Osteopetrosis | | 2 | | | | | | | | | | | | | | | | | | | | | | 1 2.0 | |
| Skeletal Muscle | | | | | | | | | | | | | | | | | | | | | | | | 1 | |
| NERVOUS SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | | |
| Brain | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |
| Olfactory Lobe, Atrophy | | | | | | | | | | | | | | | | | | | | | | | | 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
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TDMS No. 20107 - 04
 Test Type: CHRONIC
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 Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 N,N-Dimethyl-p-toluidine
 CAS Number: 99-97-8

Date Report Requested: 03/10/2011
 Time Report Requested: 11:42:39
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 Lab: BAT

| B6C3F1 MICE MALE | DAY ON TEST | | | | | | | | | | | | | | | | | | | | | | | | * TOTALS |
|------------------|-------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|----------|
| | 0694 | 0730 | 0732 | 0578 | 0771 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0666 | 0777 | 0777 | 0575 | 0777 | 0575 | 0777 | 0777 | 0777 | 0575 | 0777 | 0777 | 0777 | |
| 6 MG/KG | 0076 | 0077 | 0078 | 0079 | 0080 | 0081 | 0082 | 0083 | 0084 | 0085 | 0086 | 0087 | 0088 | 0089 | 0090 | 0091 | 0092 | 0093 | 0094 | 0095 | 0096 | 0097 | 0098 | 0099 | 50 |

RESPIRATORY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--------|
| Lung | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Alveolar Epithelium, Hyperplasia | | | | | | | | 2 | | | | | | 1 | | | | | | | 1 | | | 2 | 8 1.9 |
| Alveolus, Infiltration Cellular, Histiocyte | | | | | | | | | | | | | | 1 | | | | | | | | | | | 2 1.5 |
| Artery, Inflammation | | | | | | | | | | | | | | | | | | | | | | | | | 1 3.0 |
| Bronchiole, Epithelium, Hyperplasia | | | | | | | | | | | | | | | | | | | | | | | | | 1 2.0 |
| Nose | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Foreign Body | | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| Hyperplasia | | | | | | | | | | | | | | | | | | | | | | | 1 | | 1 1.0 |
| Inflammation | | | 1 | | | | | | | 1 | | | | | | 1 | 1 | | | | | 1 | | | 12 1.0 |
| Polyp, Inflammatory | | | X | | | | | | | | | | | | | | | | | | | | | | 2 |
| Glands, Olfactory Epithelium, Dilatation | | | | | | | | | | 1 | | | | 1 | | | | | | | | | | | 11 1.0 |
| Glands, Olfactory Epithelium, Hyperplasia | | | | | | | | | | 1 | | | | | | | | | | | | | | | 9 1.1 |
| Glands, Olfactory Epithelium, Metaplasia, Respiratory | | | | | | | | | | 1 | | | | | | | | | | | | | | | 5 1.0 |
| Glands, Respiratory Epithelium, Dilatation | 1 | | 1 | | | | | 1 | 1 | | | 1 | 1 | 1 | | | | | | 1 | | 1 | | 1 | 19 1.0 |
| Glands, Respiratory Epithelium, Hyperplasia | | | | | | | | | | | | | | | | | | | | | | | | | 2 1.0 |
| Glands, Respiratory Epithelium, Metaplasia, Respiratory | | | | | | | | | | | | | | | | | | | | | | | | | 2 1.0 |
| Nerve, Atrophy | | | | | | | | | | | | | | | | | | | | | | | | | 7 1.1 |
| Olfactory Epithelium, Accumulation, Hyaline Droplet | | | | | | | | | | | | | | | | 1 | 2 | | | | 1 | | 1 | 1 | 14 1.3 |
| Olfactory Epithelium, Metaplasia, Respiratory | | | 1 | | | | | | | 1 | | | | 1 | | | | | | | | | 2 | | 10 1.3 |
| Olfactory Epithelium, Necrosis | | | | | | 1 | | | | | | | | | | | | | | | | | | | 3 1.3 |
| Respiratory Epithelium, Accumulation, Hyaline Droplet | | | 1 | | 1 | | | | 1 | 1 | | | | 1 | 1 | | | | 1 | 1 | | | | 1 | 25 1.2 |
| Respiratory Epithelium, Hyperplasia | 2 | | 1 | | 1 | 1 | 3 | 1 | 1 | 1 | | | | 1 | 2 | | | | | 1 | 1 | | 3 | 1 | 35 1.4 |
| Respiratory Epithelium, Necrosis | | | | | | | | | | | | | | | | | | | | | | | | | 1 1.0 |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically
 X .. Lesion present
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| B6C3F1 MICE MALE
6 MG/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 | * TOTALS | |
|------------------------------|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----------|--------|
| | ANIMAL ID | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | | 9 |
| Vomeranasal Organ, Necrosis | | | | | | | | | | | | | | | | | | | | | | | | | 1 2.0 | |
| Trachea | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |
| SPECIAL SENSES SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Eye | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |
| Cornea, Inflammation | | | | | | | | | | | | 2 | | | | | | | | | | | | | 1 2.0 | |
| Optic Nerve, Atrophy | | | | | | | | | | | | 2 | | | | | | | | | | | | | 1 2.0 | |
| Harderian Gland | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |
| Hyperplasia | | | | | | | | 4 | | | | | | | | | | | | | | | | | 4 2.5 | |
| URINARY SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Kidney | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |
| Infarct | | | | | | | | | | | | | | | | | 2 | | | | | | | 1 | 2 1.5 | |
| Inflammation | | | | | | | | | | | | | | | | | | | 3 | | | | | | 1 3.0 | |
| Mineralization | | | | | | | | | | 1 | | | | | 1 | 1 | | | | | 1 | | | | 7 1.0 | |
| Nephropathy | | 1 | 1 | 1 | 1 | 1 | 2 | 1 | 1 | 1 | 1 | 1 | | 1 | 1 | | | | 1 | 1 | | | 2 | 1 | 1 | 41 1.6 |
| Cortex, Cyst | | | | 1 | | | | | | | | | 2 | | | | | | | | | | | | 2 1.5 | |
| Papilla, Necrosis | | | | | | | | | | | | | | | | | | | | | 2 | | | | 1 2.0 | |
| Urethra | | | | | | | | | | | | | | | | | | | | | | | | | 1 | |
| Inflammation | | | | | | | | | | | | | | | | | | | | | | | | | 1 3.0 | |
| Necrosis | | | | | | | | | | | | | | | | | | | | | | | | | 1 1.0 | |
| Urinary Bladder | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |

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

+ .. Tissue examined microscopically

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TDMS No. 20107 - 04
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| | | | | | | | | | | | | | | | | | | | | | | | | |
|-------------------------|-------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|----------------------------|
| B6C3F1 MICE MALE | DAY ON TEST | 0655 | 0731 | 0731 | 0598 | 0548 | 0730 | 0663 | 0663 | 0512 | 0772 | 0772 | 0772 | 0772 | 0772 | 0672 | 0762 | 0772 | 0772 | 0772 | 0772 | 0662 | 0449 | males
(cont...) |
| | ANIMAL ID | 0010 | 0011 | 0012 | 0013 | 0014 | 0015 | 0016 | 0017 | 0018 | 0019 | 0020 | 0021 | 0022 | 0023 | 0024 | 0025 | 0026 | 0027 | 0028 | 0029 | 0030 | 0031 | |

ALIMENTARY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | |
|----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Esophagus | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Gallbladder | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Large, Cecum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Large, Colon | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Large, Rectum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Small, Duodenum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Small, Ileum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Small, Jejunum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Liver | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Basophilic Focus | | | | | | | | | | | | | | | | | | | | | | | X |
| Clear Cell Focus | | 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 | X | X | X |
| Fatty Change | | | | | | | | | | | | | | | | | | | | | | | |
| Hematopoietic Cell Proliferation | | | | | | | | | | 3 | | | 2 | | | | | | | | | | 1 |
| Inflammation, Chronic Active | | | | 1 | | 1 | | 1 | | | | | | 1 | | | | | 1 | 1 | 1 | | 1 |
| Mineralization | | | | | | | | | | | | | | | | | | | | | | | |
| Mitotic Alteration | | | | | | | | | | | | | | | | | | | | | | | |
| Mixed Cell Focus | | X | X | X | X | | | | | X | | | | | | | | | | | | X | |
| Necrosis | | | | | | | 3 | | | | | | | | 2 | | | | | | | | 2 |
| Pigmentation | | | | | | | | | | | | 2 | | 2 | | | | | | | | | |
| Bile Duct, Cyst | | | | | | | | | | | | | | | | | | | | | | | |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue
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| B6C3F1 MICE MALE
20 MG/KG | DAY ON TEST | | | | | | | | | | | | | | | | | | | | | | | | | ANIMAL ID | males
(cont...) |
|------------------------------|-------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|--|-----------|--------------------|
| | 0655 | 0731 | 0771 | 0598 | 0548 | 0730 | 0663 | 0663 | 0591 | 0577 | 0777 | 0777 | 0777 | 0777 | 0777 | 0676 | 0777 | 0676 | 0777 | 0777 | 0777 | 0777 | 0664 | 0644 | | | |
| Bile Duct, Hyperplasia | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Centrilobular, Degeneration | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Hepatocyte, Hypertrophy | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Oval Cell, Hyperplasia | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Mesentery | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Fat, Necrosis | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Pancreas | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Atrophy | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Basophilic Focus | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Inflammation | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Duct, Cyst | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Salivary Glands | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Stomach, Forestomach | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Inflammation | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Ulcer | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Epithelium, Hyperplasia | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Stomach, Glandular | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Inflammation | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Mineralization | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Epithelium, Necrosis | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Tooth | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Dysplasia | | | | | | | | | | | | | | | | | | | | | | | | | | | |

CARDIOVASCULAR SYSTEM

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
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1-4 .. Lesion qualified as:
 1) Minimal 3) Moderate
 2) Mild 4) Marked

TDMS No. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 N,N-Dimethyl-p-toluidine
 CAS Number: 99-97-8

Date Report Requested: 03/10/2011
 Time Report Requested: 11:42:39
 First Dose M/F: 10/26/04 / 10/25/04
 Lab: BAT

| B6C3F1 MICE MALE
20 MG/KG | DAY ON TEST | | | | | | | | | | | | | | | | | | | | | | | | | males
(cont...) |
|--|-------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|--------------------|
| | 0655 | 0731 | 0731 | 0598 | 0548 | 0738 | 0668 | 0668 | 0572 | 0772 | 0772 | 0772 | 0772 | 0772 | 0676 | 0772 | 0676 | 0772 | 0772 | 0772 | 0772 | 0676 | 0444 | 0444 | | |
| ANIMAL ID | 0010 | 0011 | 0012 | 0013 | 0014 | 0015 | 0016 | 0017 | 0018 | 0019 | 0020 | 0021 | 0022 | 0023 | 0024 | 0025 | 0026 | 0027 | 0028 | 0029 | 0030 | 0031 | 0032 | 0033 | 0034 | |
| Preputial Gland Ectasia Inflammation | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | |
| Prostate Inflammation | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | |
| Seminal Vesicle | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | |
| Testes Germinal Epithelium, Degeneration | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | |
| Testes Germinal Epithelium, Mineralization | | | | | | | | | | | | | | | | | | | | | | | | | | |

HEMATOPOIETIC SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Bone Marrow Atrophy | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Bone Marrow Hyperplasia | 1 | | | | | | | 3 | | 2 | | | | 2 | | | | 2 | | | | | 2 | |
| Bone Marrow Necrosis | | | | | | | | | | | | | | | | | | | | | | | | |
| Lymph Node | | | | | | | | | | | | | | | | | | | | | | | | |
| Lymph Node, Mandibular Atrophy | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + |
| Lymph Node, Mandibular Hyperplasia, Lymphoid | | | | | | | | | | | | | | | | | | | | | | | | |
| Lymph Node, Mesenteric Atrophy | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + |
| Spleen Atrophy | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |

* .. 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:
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| B6C3F1 MICE MALE
20 MG/KG | DAY ON TEST | | | | | | | | | | | | | | | | | | | | | | | | | ANIMAL ID | males
(cont...) |
|---|-------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|---|-----------|--------------------|
| | 0655 | 0733 | 0779 | 0554 | 0573 | 0668 | 0669 | 0551 | 0773 | 0773 | 0773 | 0773 | 0773 | 0773 | 0665 | 0773 | 0667 | 0667 | 0773 | 0773 | 0773 | 0773 | 0666 | 0449 | | | |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0001 | |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0002 | |
| | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0003 | |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0004 | |
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 2 | 2 | 2 | 0005 | |
| Lung | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | |
| Alveolar Epithelium, Hyperplasia | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 2 |
| Alveolar Epithelium, Metaplasia | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| Alveolus, Infiltration Cellular, Histiocyte | | | | | | | | | | | | | | | | | | | | | | | | | | | 3 |
| Bronchiole, Epithelium, Regeneration | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Bronchus, Necrosis | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Perivascular, Infiltration Cellular, Lymphoid | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Nose | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | |
| Inflammation | | | | 1 | 1 | | | | | | | | | | | | | | | | | | | | | | 1 1 |
| Glands, Olfactory Epithelium, Dilatation | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 1 |
| Glands, Olfactory Epithelium, Hyperplasia | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 1 2 1 |
| Glands, Olfactory Epithelium, Metaplasia, Respiratory | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 1 |
| Glands, Respiratory Epithelium, Dilatation | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 1 1 |
| Glands, Respiratory Epithelium, Hyperplasia | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| Glands, Respiratory Epithelium, Metaplasia, Respiratory | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| Nerve, Atrophy | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| Olfactory Epithelium, Accumulation, Hyaline Droplet | | | | 1 | 1 | | 1 | | 1 | | | | | 1 | 1 | | | | | | | | | | | | 1 1 |
| Olfactory Epithelium, Metaplasia, Respiratory | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| Olfactory Epithelium, Necrosis | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| Respiratory Epithelium, Accumulation, Hyaline Droplet | | | | 1 | 1 | | | | 1 | | 1 | | | | | | | | | | | | | | | | 1 1 1 1 1 1 |
| Respiratory Epithelium, Hyperplasia | | | | 1 | 1 | | | | 1 | | 1 | | | | | | | | | | | | | | | | 1 1 2 1 1 2 1 1 |
| Respiratory Epithelium, Necrosis | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| Vomeranasal Organ, Necrosis | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Trachea | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically
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TDMS No. 20107 - 04

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| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-------------------------|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| B6C3F1 MICE MALE | DAY ON TEST | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | 6 | 7 | 7 | 5 | 5 | 7 | 6 | 6 | 5 | 7 | 7 | 7 | 7 | 7 | 7 | 6 | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 6 | 7 | 6 | 7 | 6 | 7 | 6 | 7 | 6 | 4 |
| | | 5 | 3 | 3 | 9 | 4 | 3 | 8 | 9 | 1 | 3 | 3 | 3 | 3 | 3 | 3 | 5 | 3 | 7 | 3 | 3 | 3 | 3 | 3 | 3 | 6 | 7 | 3 | 3 | 3 | 6 | 4 | 4 | 9 | |
| | | 5 | 1 | 1 | 8 | 8 | 0 | 8 | 3 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 5 | 2 | 2 | 2 | 0 | 0 | 0 | 0 | 2 | 9 | 2 | 0 | 0 | 2 | 2 | 9 | 4 | 9 | |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 20 MG/KG | ANIMAL ID | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | |
| | | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 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...)

SPECIAL SENSES SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|----------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--|
| Eye | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Cornea, Inflammation | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | 4 | |
| Lens, Cataract | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Harderian Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Atrophy | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Hyperplasia | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

URINARY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--|
| Kidney | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Mineralization | | | | 1 | | | 1 | | | | | | | | 1 | | 1 | | | | 1 | | | | | | | | | | | | | |
| Nephropathy | 2 | 2 | 1 | 1 | | 2 | 1 | 3 | 3 | 1 | 1 | | 1 | 1 | 2 | 2 | 1 | 2 | | 2 | 1 | 2 | 1 | | | | | | | | | 1 | | |
| Pigmentation | | | | | | | | | 2 | | | | | | | | | | | | | | | | | | | | | | | | | |
| Cortex, Cyst | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | |
| Pelvis, Dilatation | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Renal Tubule, Necrosis | | | | | | | | | | | | | 2 | | | | | | | | | | | | | | | | | | | | | |
| Urinary Bladder | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
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 X .. Lesion present
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| B6C3F1 MICE MALE
20 MG/KG | DAY ON TEST | | | | | | | | | | | | | | | | | | | | | | * TOTALS | | |
|------------------------------|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----------|---|---|
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | 0 |
| ANIMAL ID | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | |
| | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 6 | 7 | 7 | 5 | 7 | 4 | 7 | 5 | 7 | 7 | 7 | 4 | 6 | 7 | 6 | 7 | 7 | |
| | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 0 | 3 | 3 | 9 | 3 | 4 | 3 | 5 | 3 | 3 | 3 | 0 | 7 | 3 | 8 | 3 | 2 | 1 |
| | 1 | 2 | 2 | 2 | 1 | 1 | 2 | 9 | 0 | 2 | 7 | 1 | 2 | 1 | 4 | 2 | 1 | 0 | 2 | 4 | 1 | 1 | 2 | 3 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 0 | 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 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | 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 |
| Bile Duct, Hyperplasia | | | | | | | | 1 | 1 | | | | | | | | | | | | | | | | |
| Centrilobular, Degeneration | | | | | | | | | | | | | | | | | | | | | | | | | |
| Hepatocyte, Hypertrophy | | | | 1 | | | | | | | | | | | 2 | | | | | 1 | | | | | |
| Oval Cell, Hyperplasia | | | | | | | | | | | | | | | | | | | | | | | | | |
| Mesentery | | | | | | | | | | | | | | | | | | | | | | | | | |
| Fat, Necrosis | | | | | | | | | | | | | | | | | | | | | | | | | |
| Pancreas | | | | | | | | | | | | | | | | | | | | | | | | | |
| Atrophy | | | | | | | | | | | | | | | | | | | | | | | | | |
| Basophilic Focus | | | | | | | | | | | | | | | | | | | | | | | | | |
| Inflammation | | | | | | | | | | | | | | | | | | | | | | | | | |
| Duct, Cyst | | | | | | | | | | | | | | | | | | | | | | | | | |
| Salivary Glands | | | | | | | | | | | | | | | | | | | | | | | | | |
| Stomach, Forestomach | | | | | | | | | | | | | | | | | | | | | | | | | |
| Inflammation | | | | | | | | | | | | | | | | | | | | | | | | | |
| Ulcer | | | | | | | | | | | | | | | | | | | | | | | | | |
| Epithelium, Hyperplasia | | | | | | | | | | | | | | | | | | | | | | | | | |
| Stomach, Glandular | | | | | | | | | | | | | | | | | | | | | | | | | |
| Inflammation | | | | | | | | | | | | | | | | | | | | | | | | | |
| Mineralization | | | | | | | | | | | | | | | | | | | | | | | | | |
| Epithelium, Necrosis | | | | | | | | | | | | | | | | | | | | | | | | | |
| Tooth | | | | | | | | | | | | | | | | | | | | | | | | | |
| Dysplasia | | | | | | | | | | | | | | | | | | | | | | | | | |

CARDIOVASCULAR SYSTEM

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

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|-------------------------------------|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|----------|--|
| | 0731 | 0732 | 0732 | 0732 | 0733 | 0733 | 0733 | 0733 | 0733 | 0733 | 0733 | 0733 | 0733 | 0733 | 0733 | 0733 | 0733 | 0733 | 0733 | 0733 | 0733 | 0733 | 0733 | 0733 | | |
| ANIMAL ID | 00126 | 00127 | 00128 | 00129 | 00130 | 00131 | 00132 | 00133 | 00134 | 00135 | 00136 | 00137 | 00138 | 00139 | 00140 | 00141 | 00142 | 00143 | 00144 | 00145 | 00146 | 00147 | 00148 | 00149 | | |
| Preputial Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | | |
| Ectasia | 2 | | | | | | 2 | | | | | | | | | | 2 | | | | | | | 7 2.0 | | |
| Inflammation | | | | | 3 | | | | | | | | | | | | | | | | | | | 1 3.0 | | |
| Prostate | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | | |
| Inflammation | | | | | | | | | | | | | | | | | | | | | | | | 1 1.0 | | |
| Seminal Vesicle | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | | |
| Testes | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | | |
| Germinal Epithelium, Degeneration | | | | | | | | | | | | | | | | | | | | | 1 | | | 3 1.3 | | |
| Germinal Epithelium, Mineralization | | | | | | | | | | | | | | | | | | | | | | | | 1 1.0 | | |
| HEMATOPOIETIC SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Bone Marrow | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | | |
| Atrophy | | | | | | | | | | | | | | | | | | | | | | 1 | | 1 1.0 | | |
| Hyperplasia | | | | | | | | | | 2 | | | | | | 1 | | 3 | | | | | | 9 2.0 | | |
| Necrosis | | | | | | | | | | | | | | | | | | | | | | | | 1 2.0 | | |
| Lymph Node | | | | | | | | | | | | + | | | | | | | | | | + | | 4 | | |
| Lymph Node, Mandibular | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49 | | |
| Atrophy | | | | | | | | | | | | | | | | | | | 2 | | 1 | | | 6 1.3 | | |
| Hyperplasia, Lymphoid | | | | | | | | | | | | | | | | | | | | | | | | 1 2.0 | | |
| Lymph Node, Mesenteric | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49 | | |
| Atrophy | | | | 1 | | | 1 | 2 | | | | | | | 3 | 2 | | | | | 4 | 2 | 4 | 4 | 14 2.5 | |
| Spleen | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | 49 | | |
| Atrophy | | | | 2 | | | 3 | | | | | | | | | | | | 3 | | 3 | | 3 | 11 2.4 | | |

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| B6C3F1 MICE MALE
20 MG/KG | DAY ON TEST | | | | | | | | | | | | | | | | | | | | | | | | | * TOTALS | | | | | | | |
|--|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----------|-------|-------|-------|-------|-------|------|-----|
| | 0731 | 0732 | 0733 | 0734 | 0735 | 0736 | 0737 | 0738 | 0739 | 0730 | 0731 | 0732 | 0733 | 0734 | 0735 | 0736 | 0737 | 0738 | 0739 | 0740 | 0741 | 0742 | 0743 | 0744 | 0745 | | | 0746 | 0747 | 0748 | 0749 | 0750 | |
| ANIMAL ID | 00126 | 00127 | 00128 | 00129 | 00130 | 00131 | 00132 | 00133 | 00134 | 00135 | 00136 | 00137 | 00138 | 00139 | 00140 | 00141 | 00142 | 00143 | 00144 | 00145 | 00146 | 00147 | 00148 | 00149 | 00150 | 00151 | 00152 | 00153 | 00154 | 00155 | 00156 | | |
| Hematopoietic Cell Proliferation
Hyperplasia, Lymphoid
Pigmentation
Red Pulp, Atrophy | | | | 2 | | | | 3 | 3 | | | | 1 | | 3 | 3 | 2 | 2 | | | 1 | | | | | | 3 | 2 | 23 | 2.4 | | | |
| Thymus
Atrophy | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 | | | |
| | 3 | 3 | 3 | 4 | 3 | 3 | 4 | 3 | 4 | 3 | | 3 | 1 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 1 | 4 | 3 | 4 | 4 | 4 | 4 | 4 | 47 | 3.1 | | | |
| 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 | M | M | M | M | M | 0 | | | |
| Skin
Inflammation
Ulcer
Epidermis, Hyperplasia | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 3.0 | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 4.0 | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 2.0 | | |
| MUSCULOSKELETAL SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Bone | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | | | |
| Skeletal Muscle | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | | |
| NERVOUS SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Brain
Hemorrhage
Hydrocephalus
Necrosis | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 2.0 |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 2.0 | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 2.0 | |
| RESPIRATORY 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

| B6C3F1 MICE MALE
20 MG/KG | DAY ON TEST | | | | | | | | | | | | | | | | | | | | | | | | * TOTALS | | | | | | | | | | | |
|---|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----------|-------|-------|-------|-------|-------|-------|-----|-----|-----|-----|-----|
| | 0731 | 0732 | 0733 | 0734 | 0735 | 0736 | 0737 | 0738 | 0739 | 0730 | 0731 | 0732 | 0733 | 0734 | 0735 | 0736 | 0737 | 0738 | 0739 | 0740 | 0741 | 0742 | 0743 | 0744 | | 0745 | 0746 | 0747 | 0748 | 0749 | 0750 | | | | | |
| ANIMAL ID | 00126 | 00127 | 00128 | 00129 | 00130 | 00131 | 00132 | 00133 | 00134 | 00135 | 00136 | 00137 | 00138 | 00139 | 00140 | 00141 | 00142 | 00143 | 00144 | 00145 | 00146 | 00147 | 00148 | 00149 | 00150 | 00151 | 00152 | 00153 | 00154 | 00155 | 00156 | | | | | |
| Lung | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | | | | | | |
| Alveolar Epithelium, Hyperplasia | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 3 | 1.3 | | | | | |
| Alveolar Epithelium, Metaplasia | | | | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 2.0 | | | | | |
| Alveolus, Infiltration Cellular, Histiocyte | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | 2.5 | | | | | |
| Bronchiole, Epithelium, Regeneration | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1.0 | | | | | |
| Bronchus, Necrosis | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1.0 | | | | | |
| Perivascular, Infiltration Cellular, Lymphoid | | | | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 2.0 | | | | | |
| Nose | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | | | | | | |
| Inflammation | | | | | 1 | | | | | | | | 1 | 1 | | | | | | | | | | | | | | | | 1 | 10 | 1.0 | | | | |
| Glands, Olfactory Epithelium, Dilatation | | | 1 | | | 1 | | 1 | | | | | | | | | | | 1 | | | | | | | | | | | 1 | 7 | 1.0 | | | | |
| Glands, Olfactory Epithelium, Hyperplasia | | | | | | 2 | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 7 | 1.3 | | | |
| Glands, Olfactory Epithelium, Metaplasia, Respiratory | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | 6 | 1.0 | | |
| Glands, Respiratory Epithelium, Dilatation | | | | 1 | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | 13 | 1.0 | | |
| Glands, Respiratory Epithelium, Hyperplasia | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 2 | 1.0 | | |
| Glands, Respiratory Epithelium, Metaplasia, Respiratory | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 2 | 1.0 | | |
| Nerve, Atrophy | | | | 1 | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | 2 | 4 | 1.3 | | |
| Olfactory Epithelium, Accumulation, Hyaline Droplet | | | | | 1 | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | 10 | 1.0 | | | |
| Olfactory Epithelium, Metaplasia, Respiratory | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 2 | 5 | 1.2 |
| Olfactory Epithelium, Necrosis | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 3 | 1.0 | |
| Respiratory Epithelium, Accumulation, Hyaline Droplet | 1 | 1 | 1 | | 1 | | 2 | 1 | | 1 | | | | | | | | 2 | 2 | 1 | 1 | | 1 | | | | | | | | | 1 | 24 | 1.2 | | |
| Respiratory Epithelium, Hyperplasia | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | | 1 | | | | | | | | 1 | 1 | 1 | 2 | 1 | | 2 | 1 | 1 | 1 | 1 | | | | | 32 | 1.1 | | |
| Respiratory Epithelium, Necrosis | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | 1.0 |
| Vomeranasal Organ, Necrosis | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 2 | 1.0 |
| Trachea | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 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

| B6C3F1 MICE MALE
20 MG/KG | DAY ON TEST | | | | | | | | | | | | | | | | | | | | | | | | | | * TOTALS | | | |
|------------------------------|-------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|----------|------|------|------|
| | 0731 | 0732 | 0733 | 0734 | 0735 | 0736 | 0737 | 0738 | 0739 | 0740 | 0741 | 0742 | 0743 | 0744 | 0745 | 0746 | 0747 | 0748 | 0749 | 0750 | 0751 | 0752 | 0753 | 0754 | 0755 | 0756 | | 0757 | 0758 | 0759 |
| ANIMAL ID | 001 | 002 | 003 | 004 | 005 | 006 | 007 | 008 | 009 | 010 | 011 | 012 | 013 | 014 | 015 | 016 | 017 | 018 | 019 | 020 | 021 | 022 | 023 | 024 | 025 | 026 | 027 | 028 | 029 | 030 |

SPECIAL SENSES SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|----------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|-----|-----|
| Eye | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | | |
| Cornea, Inflammation | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 4 | 2.3 | |
| Lens, Cataract | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 2.0 | |
| Harderian Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | | |
| Atrophy | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 2.0 |
| Hyperplasia | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | 1 | 1.0 | |

URINARY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|-----|-----|-----|
| Kidney | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | | |
| Mineralization | | | | | | 1 | | 1 | | | | | | | | | | | | | | | | | | | | | | | 9 | 1.0 | |
| Nephropathy | 3 | 1 | 1 | 3 | 2 | 1 | 1 | 1 | 1 | 2 | 1 | 1 | 1 | 2 | | 1 | | 2 | | 3 | 1 | 1 | 1 | 1 | 1 | 2 | | | | 43 | 1.5 | | |
| Pigmentation | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | 2.5 |
| Cortex, Cyst | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1.0 |
| Pelvis, Dilatation | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 2.0 |
| Renal Tubule, Necrosis | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | 2.0 |
| Urinary Bladder | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 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. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 N,N-Dimethyl-p-toluidine
 CAS Number: 99-97-8

Date Report Requested: 03/10/2011
 Time Report Requested: 11:42:39
 First Dose M/F: 10/26/04 / 10/25/04
 Lab: BAT

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-------------------------|-----------------|-----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------------------|-------|-------|------|---|---|
| B6C3F1 MICE MALE | DAY ON TEST | 0732 | 0730 | 0731 | 0732 | 0733 | 0734 | 0735 | 0736 | 0737 | 0738 | 0739 | 0740 | 0741 | 0742 | 0743 | 0744 | 0745 | 0746 | 0747 | 0748 | 0749 | 0750 | 0751 | 0752 | 0753 | 0754 | 0755 | 0756 | 0757 | 0758 | 0759 | 0760 | | |
| | 60 MG/KG | ANIMAL ID | 00151 | 00152 | 00153 | 00154 | 00155 | 00156 | 00157 | 00158 | 00159 | 00160 | 00161 | 00162 | 00163 | 00164 | 00165 | 00166 | 00167 | 00168 | 00169 | 00170 | 00171 | 00172 | 00173 | 00174 | 00175 | 00176 | 00177 | 00178 | 00179 | 00180 | | | |
| | | | 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 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | males
(cont...) | | | | | |

ALIMENTARY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|----------------------------------|---|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| Esophagus | + | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Gallbladder | + | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Intestine Large, Cecum | + | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Intestine Large, Colon | + | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Intestine Large, Rectum | + | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Intestine Small, Duodenum | + | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Intestine Small, Ileum | + | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Intestine Small, Jejunum | + | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Liver | + | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Basophilic Focus | + | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Clear Cell Focus | X | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Eosinophilic Focus | X | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Fatty Change | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Hematopoietic Cell Proliferation | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Inflammation, Chronic Active | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Mineralization | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Mitotic Alteration | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Mixed Cell Focus | X | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Necrosis | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Pigmentation | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Hepatocyte, Hypertrophy | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

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

TDMS No. 20107 - 04

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 03/10/2011

Time Report Requested: 11:42:39

First Dose M/F: 10/26/04 / 10/25/04

Lab: BAT

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-------------------------|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| B6C3F1 MICE MALE | DAY ON TEST | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | |
| | ANIMAL ID | 7 | 7 | 7 | 7 | 7 | 7 | 6 | 7 | 7 | 7 | 4 | 2 | 7 | 7 | 5 | 6 | 6 | 7 | 7 | 7 | 6 | 6 | 7 | 7 | 6 | 6 | 7 | 7 | 6 | 6 | 7 | 7 | 6 | 7 | 7 | 6 | 7 | 7 | |
| 60 MG/KG | | 3 | 3 | 3 | 3 | 3 | 3 | 5 | 3 | 3 | 3 | 4 | 5 | 3 | 3 | 6 | 2 | 7 | 3 | 3 | 3 | 6 | 0 | 3 | 6 | 0 | 0 | 3 | 3 | 6 | 0 | 3 | 3 | 0 | 3 | 3 | 0 | 3 | 3 | |
| | | 2 | 0 | 1 | 2 | 2 | 1 | 1 | 5 | 2 | 0 | 2 | 9 | 6 | 2 | 0 | 2 | 3 | 2 | 1 | 2 | 0 | 9 | 9 | 9 | 9 | 0 | 9 | 9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 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 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 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 | 7 | 7 | 7 | 7 | 7 | 7 | 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 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |

males (cont...)

Kupffer Cell, Hyperplasia
Oval Cell, Hyperplasia

1

Mesentery
Fat, Necrosis

Pancreas
Atrophy
Acinus, Hyperplasia
Duct, Cyst

+ +

1 2

Salivary Glands

+ +

Stomach, Forestomach
Hemorrhage
Inflammation
Necrosis
Ulcer
Epithelium, Hyperplasia

+ +

3 1 2 3 1 3 2 3 2 3

2 2 4 2 3 2 3

Stomach, Glandular

+ +

Tooth
Dysplasia

+ +

X X

CARDIOVASCULAR SYSTEM

Blood Vessel
Mineralization

+ +

3

Heart

+ +

* .. 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

| B6C3F1 MICE MALE | DAY ON TEST | | | | | | | | | | | | | | | | | | | | | | ANIMAL ID | males
(cont...) | |
|------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| | 0
7
3
2 | 0
7
3
0 | 0
7
3
1 | 0
7
3
2 | 0
7
3
2 | 0
7
3
1 | 0
7
3
1 | 0
7
6
5 | 0
7
3
2 | 0
7
3
0 | 0
7
3
2 | 0
4
4
9 | 0
2
5
6 | 0
7
3
2 | 0
7
6
2 | 0
6
2
3 | 0
6
7
2 | 0
7
3
1 | 0
7
3
0 | 0
6
6
9 | 0
6
0
9 | 0
7
3
0 | | | 0
7
3
2 |
| 60 MG/KG | 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
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9 | 0
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3 | 0
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4 | 0
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5 | 0
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6 | 0
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1
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7 | 0
0
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6
8 | 0
0
1
6
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 |

| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Preputial Gland
Ectasia
Inflammation | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| | | 3 | | | 2 | | | | 2 | | | | | | 2 | | | | | | | | 2 | | | | |
| Prostate
Inflammation | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Seminal Vesicle | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Testes
Interstitial Cell, Hyperplasia | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | |

HEMATOPOIETIC SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Bone Marrow
Hyperplasia | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| | | | | | | | | | 1 | | | | | | | | 1 | | 3 | | | 2 | 2 | | | | |
| Lymph Node, Mandibular
Atrophy | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| | | | 2 | | | | | | | | | | | | | | | | 2 | | | | | | | | |
| Lymph Node, Mesenteric
Atrophy
Hyperplasia, Lymphoid | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| | | | 3 | 2 | | | | | 3 | 2 | 4 | | | | 2 | | | | | | | 1 | | | | | |
| Spleen
Atrophy
Hematopoietic Cell Proliferation
Hyperplasia, Lymphoid
Pigmentation
Red Pulp, Atrophy | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| | | | | | | | | | | | | | | | | | 2 | 2 | | | | 1 | | | | | |
| | | 1 | 2 | | | | | | 3 | 3 | 3 | 3 | | | | 4 | 3 | 1 | | | | 3 | 3 | | | | |
| | 2 | | 2 | | | | | | | | | | | 2 | 2 | 2 | | 2 | | | | | | | | | |
| | 2 | 1 | 1 | 1 | 3 | 1 | 2 | 1 | 1 | | 3 | 2 | 1 | 2 | 3 | 2 | 1 | 1 | 2 | 2 | 2 | | | | 1 | 2 | |
| | | | | 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

| B6C3F1 MICE MALE

60 MG/KG | DAY ON TEST | | | | | | | | | | | | | | | | | | | | males
(cont...) | | | | | | | | | | | | | | | | | |
|---|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | 0 | | | | | | | | | | | | | | | | |
| | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 6 | 7 | 7 | 7 | 4 | 2 | 7 | 7 | 5 | 6 | 6 | 7 | | 7 | 7 | 6 | 6 | 7 | 7 | 6 | 6 | 7 | 7 | 3 | 3 | 3 | 6 | 0 | 3 | 3 |
| 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 |
| | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | |
| | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | |
| | 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 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | |
| Lung | + | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Hemorrhage | | | | | | | | | | | | | | | | | | | | | 2 | | | | | | | | | | | | | | | | | |
| Inflammation, Chronic Active | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Alveolus, Infiltration Cellular, Histiocyte | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | |
| Bronchiole, Epithelium, Regeneration | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | |
| Bronchus, Epithelium, Regeneration | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | |
| Nose | + | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Inflammation | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | |
| Glands, Olfactory Epithelium, Dilatation | | | | | | | | | | | | | | | | | | | | | 2 | | | | | | | | | | | | | | | | | |
| Glands, Olfactory Epithelium, Hyperplasia | | | | | | | | | | | | | | | | | | | | | 2 | | | | | | | | | | | | | | | | | |
| Glands, Olfactory Epithelium, Metaplasia, Respiratory | | | | | | | | | | | | | | | | | | | | | 2 | | | | | | | | | | | | | | | | | |
| Glands, Respiratory Epithelium, Dilatation | | | | | | | | | | | | | | | | | | | | | 3 | | | | | | | | | | | | | | | | | |
| Glands, Respiratory Epithelium, Hyperplasia | | | | | | | | | | | | | | | | | | | | | 3 | | | | | | | | | | | | | | | | | |
| Glands, Respiratory Epithelium, Metaplasia, Respiratory | | | | | | | | | | | | | | | | | | | | | 3 | | | | | | | | | | | | | | | | | |
| Nasolacrimal Duct, Hyperplasia, Regenerative | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | |
| Nerve, Atrophy | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | |
| Olfactory Epithelium, Accumulation, Hyaline Droplet | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | |
| Olfactory Epithelium, Metaplasia, Respiratory | | | | | | | | | | | | | | | | | | | | | 3 | | | | | | | | | | | | | | | | | |
| Olfactory Epithelium, Necrosis | | | | | | | | | | | | | | | | | | | | | 3 | | | | | | | | | | | | | | | | | |
| Respiratory Epithelium, Accumulation, Hyaline Droplet | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | |
| Respiratory Epithelium, Hyperplasia | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | |
| Respiratory Epithelium, Necrosis | | | | | | | | | | | | | | | | | | | | | 2 | | | | | | | | | | | | | | | | | |
| Transitional Epithelium, Hyperplasia | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | |
| Transitional Epithelium, Necrosis | | | | | | | | | | | | | | | | | | | | | 2 | | | | | | | | | | | | | | | | | |
| Vomeranasal Organ, Necrosis | | | | | | | | | | | | | | | | | | | | | 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

| B6C3F1 MICE MALE
60 MG/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 | 0 | 0 | 0 | 0 |
|------------------------------|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------------|---|---|
| | ANIMAL ID | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 6 | 7 | 7 | 5 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 6 | 6 | 6 | 6 | 6 | 6 |
| | | 8 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 7 | 3 | 3 | 8 | 9 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 5 | 5 | 3 | 3 | 3 | 3 |
| | | 2 | 0 | 1 | 0 | 1 | 2 | 1 | 2 | 1 | 2 | 2 | 0 | 3 | 2 | 1 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 5 | 8 | 8 | 8 | 8 |
| | | 0 | 0 | 0 | 0 | 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 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 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 | 9 | 9 | 9 |
| | | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 0 | 0 | 0 |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | * TOTALS | | |

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------|--------------|
| Preputial Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Ectasia | 2 | | 2 | | | | | | | | 2 | | | | | | | | | | | | | | | | | | | 8 2.1 |
| Inflammation | | | | | | | | | | 3 | | | | | | | | | | | | | | | | | | | | 1 3.0 |
| Prostate | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Inflammation | | | | | | | | | | | | | | 2 | | | | | | | | | | | | | | | | 1 2.0 |
| Seminal Vesicle | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |
| Testes | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Interstitial Cell, Hyperplasia | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 1.0 |

HEMATOPOIETIC SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---------------|---------------|
| Bone Marrow | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Hyperplasia | 3 | | | | | | | | | | 2 | | | 3 | | | | | | | | | | | | | 1 | | 9 2.0 |
| Lymph Node, Mandibular | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Atrophy | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | 3 2.0 |
| Lymph Node, Mesenteric | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Atrophy | | | | | | | | | | 3 | | 2 | | 2 | 2 | 3 | | 2 | | | | | | | | | | | 15 2.3 |
| Hyperplasia, Lymphoid | | | | | | | | | 3 | | | | | 2 | | | | | | | | | | | | | | | 2 2.5 |
| Spleen | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Atrophy | | | | | | | | | | 1 | | | | | | 4 | | 1 | | | | | | | | | | | 6 1.8 |
| Hematopoietic Cell Proliferation | | | 2 | | | | | | | 2 | | 3 | | 1 | 3 | 3 | | 3 | | | | 2 | | 2 | | | 2 | 2 | 22 2.5 |
| Hyperplasia, Lymphoid | | | | 3 | | | | | | 1 | | | | | | | | | | | 2 | | | | | | | | 9 2.0 |
| Pigmentation | 1 | 2 | 2 | 1 | 2 | 1 | 2 | 1 | | 1 | 2 | 1 | 1 | | 2 | | 1 | 2 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 3 | 44 1.6 | |
| Red Pulp, Atrophy | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | | 2 1.5 |

* .. 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. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 N,N-Dimethyl-p-toluidine
 CAS Number: 99-97-8

Date Report Requested: 03/10/2011
 Time Report Requested: 11:42:39
 First Dose M/F: 10/26/04 / 10/25/04
 Lab: BAT

| B6C3F1 MICE MALE
60 MG/KG | DAY ON TEST | | | | | | | | | | | | | | | | | | | | | | | | * TOTALS | |
|--------------------------------------|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----------|-------------|
| | 0682 | 0730 | 0771 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | | 0777 |
| ANIMAL ID | 00176 | 00177 | 00178 | 00179 | 00180 | 00181 | 00182 | 00183 | 00184 | 00185 | 00186 | 00187 | 00188 | 00189 | 00190 | 00191 | 00192 | 00193 | 00194 | 00195 | 00196 | 00197 | 00198 | 00199 | 00200 | |
| Trachea Necrosis | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50
1 2.0 |
| SPECIAL SENSES SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Eye | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Harderian Gland Hyperplasia | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50
1 2.0 |
| URINARY SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Kidney | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Infarct | | 1 | | | | | | | | | | | | | | | | | | | | | | | 2 | 2 1.5 |
| Mineralization | 1 | | | | | | | | | | | | 1 | | | | | | | | | | | | 2 | 6 1.2 |
| Nephropathy | 2 | 1 | 1 | | 1 | 1 | 1 | 1 | 1 | 2 | 1 | 1 | 3 | | 1 | 1 | 2 | 1 | 1 | 2 | 1 | 1 | 3 | 1 | 37 1.3 | |
| Cortex, Cyst | | | | | | | | | | | | | | | | | | | | | | | 1 | | 2 1.5 | |
| Pelvis, Dilatation | | | | | | | | | | | | | | | | | | | | | | | | 2 | 1 2.0 | |
| Renal Tubule, Dilatation | | | | | | | | | | | | | | 4 | | | | | | | | | | | 1 4.0 | |
| Renal Tubule, Hyperplasia | | | | | | | | | | | | | | | | | | 1 | | | | | | | 1 1.0 | |
| Renal Tubule, Necrosis | | | | | | | | | | | | | | 1 | | | | | | | | | | | 1 1.0 | |
| Urinary Bladder | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |
| Calculus Gross Observation | | | | | | | | | | | | | | | | | | | | | | | X | | 2 | |
| Inflammation | | | | | | | | | | | | | | | | | | | | | | | 4 | | 1 4.0 | |
| Transitional Epithelium, Hyperplasia | | | | | | | | | | | | | | | | | | | | | | | 3 | | 1 3.0 | |

*** 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

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

TDMS No. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
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P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 N,N-Dimethyl-p-toluidine
 CAS Number: 99-97-8

Date Report Requested: 03/10/2011
 Time Report Requested: 11:42:39
 First Dose M/F: 10/26/04 / 10/25/04
 Lab: BAT

| B6C3F1 MICE FEMALE
0 MG/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 | ANIMAL ID | females
(cont...) | | | |
|-------------------------------|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------|----------------------|---|---|--|
| | | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 4 | 7 | | | 7 | 7 | |
| | | 3 | 3 | 2 | 2 | 2 | 2 | 2 | 3 | 3 | 2 | 4 | 2 | 3 | 2 | 3 | 3 | 2 | 3 | 3 | 2 | 3 | 4 | 3 | 2 | 2 | 0 | | |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 9 | 5 | 9 | 0 | 9 | 0 | 0 | 9 | 1 | 1 | 9 | 1 | 9 | 4 | 0 | 9 | 9 | 0 | |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | |
| | | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 0 | |
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 1 | |

ALIMENTARY SYSTEM

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

* .. 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. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 03/10/2011
 Time Report Requested: 11:42:39
 First Dose M/F: 10/26/04 / 10/25/04
 Lab: BAT

| B6C3F1 MICE FEMALE | DAY ON TEST | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---------------------------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
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9 | | | | | | |
| 0 MG/KG | ANIMAL ID | | | | | | | | | | | | | | | | | | | | females
(cont...) | | | | | | | | |
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| Bile Duct, Cyst | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Mesentery | | | | | | | | | | | | | | | | | | | | | + | | | | | | | | |
| Fat, Necrosis | | | | | | | | | | | | | | | | | | | | | 2 | | | | | | | | |
| Pancreas | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Atrophy | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Salivary Glands | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Stomach, Forestomach | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Inflammation | | | | | | | | | | | | | | | | | | | | | 4 | | | | | | | | |
| Necrosis | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Ulcer | | | | | | | | | | | | | | | | | | | | | 2 | | | | | | | | |
| Epithelium, Hyperplasia | | | | | | | | | | | | | | | | | | | | | 2 | | | | | | | | |
| Stomach, Glandular | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Mineralization | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | |
| Epithelium, Necrosis | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Tooth | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Dysplasia | X | | | X | | | | | X | | | X | X | | | | | | X | X | | | | X | | | | | |
| Peridontal Tissue, Pulp, Inflammation | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CARDIOVASCULAR SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Blood Vessel | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Heart | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Cardiomyopathy | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | |
| Mineralization | | | | | | | | | | | | | | | | | | | | | 2 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

| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------------------------|-------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|----------------------|
| B6C3F1 MICE FEMALE

0 MG/KG | DAY ON TEST | 0
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9 | females
(cont...) |
| | ANIMAL ID | 0
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ENDOCRINE SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Adrenal Cortex | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Adrenal Medulla
Hyperplasia | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| | | | | 2 | | | | | | | | | | | | | | | | | | 4 | | | | | | |
| Islets, Pancreatic | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Parathyroid Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Pituitary Gland
Pars Distalis, Hyperplasia
Pars Intermedia, Hyperplasia | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| | 4 | | | | | | | | | | | | | | | | M | M | + | + | + | + | + | + | + | + | + | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | |
| Thyroid Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |

GENERAL BODY SYSTEM

NONE

GENITAL SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|----------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Clitoral Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Ovary | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Angiectasis | | | 4 | | 4 | | | | | | | | | | | | | | | | | | | | | | | |
| Atrophy | | | 4 | 4 | 3 | 4 | 3 | | 3 | 2 | 4 | 2 | 3 | 4 | | 4 | 4 | 4 | 4 | | 4 | | | | | | 4 | |
| Cyst | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 3 | |
| Hemorrhage | | | | | | | | | | | | | | | | | | | | | | | | | | | 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

TDMS No. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

N,N-Dimethyl-p-toluidine
 CAS Number: 99-97-8

Date Report Requested: 03/10/2011
 Time Report Requested: 11:42:39
 First Dose M/F: 10/26/04 / 10/25/04
 Lab: BAT

| B6C3F1 MICE FEMALE

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

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|----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Thrombosis | | | | | | | | | | | | | | | | | | | | | | | | 4 |
| Uterus | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Angiectasis | | | | | | | | | | | | 2 | | | | | | | | | | | | |
| Dilatation | 1 | | 3 | 2 | | | | | 3 | | | | 3 | | | | | | 2 | 2 | | 3 | | |
| Inflammation | | | 2 | | | | | | | | | | | | | | | | | | | | | |
| Endometrium, Hyperplasia, Cystic | | | 2 | | | 3 | 1 | 3 | | 1 | 1 | | 3 | 1 | | 2 | | | 4 | | | 1 | 1 | 2 |

HEMATOPOIETIC SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | |
|------------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Bone Marrow | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Atrophy | | | | | | | | | | | | 1 | | | | | | | | | | | |
| Hyperplasia | | | | | | | | | 2 | | | 4 | 1 | | | | | | | | | | |
| Lymph Node | | | | + | + | | | | | | | | | | | | | | | | | | + |
| Renal, Ectasia | | | | | 4 | | | | | | | | | | | | | | | | | | |
| Lymph Node, Mandibular | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Atrophy | | | | | | | | | | | | | | | | | | | | | | | |
| Hyperplasia, Lymphoid | | | | | | | | | 2 | 3 | | | | | | | | | | | 2 | | |
| Lymph Node, Mesenteric | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Angiectasis | 2 | | | | | | | | | | | | | | | | | | | | | | |
| Atrophy | | | | | | | | | | | | | | | | | | | | | | | |
| Hyperplasia, Lymphoid | | | | | | | | | | | | | | | | | | | | | | | |
| Hyperplasia, Lymphoid | | | | | | | | | | | | | | | | | | | | | | | |
| Hyperplasia, Lymphoid | | | | | | | | | | | | | | | | | | | | | | | |
| Hyperplasia, Lymphoid | | | | | | | | | | | | | | | | | | | | | | | |
| Spleen | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Atrophy | | 1 | | | | | 1 | | | | | | | | | | | | | | | | |
| Hematopoietic Cell Proliferation | 1 | | 1 | 3 | | 1 | | 4 | 1 | | 3 | | | | | | | | | 1 | 2 | 2 | |
| Hyperplasia, Lymphoid | | | | | 3 | 3 | | | | | | | | | | | | | | | | | |
| Infiltration Cellular, Plasma Cell | | | | | | | | | | | | | | 1 | | | | 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
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TDMS No. 20107 - 04
 Test Type: CHRONIC
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 N,N-Dimethyl-p-toluidine
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 Lab: BAT

| B6C3F1 MICE FEMALE
0 MG/KG | DAY ON TEST | | | | | | | | | | | | | | | | | | | | | | | | ANIMAL ID | females
(cont...) |
|---|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|-----------|----------------------|
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9 | | |
| Pigmentation | 1 | 1 | | 1 | 2 | 1 | 1 | 1 | 1 | 1 | | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | 1 | 1 | 2 | | |
| Thymus | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | |
| Atrophy | 3 | 2 | 3 | 2 | 3 | 2 | | 2 | 2 | 2 | 3 | 3 | 2 | 2 | 3 | 3 | 3 | 2 | 3 | 2 | 2 | 2 | 3 | 2 | | |
| Hyperplasia, Lymphoid | | | | | | | | | | | | | | | | | | | | | | | | | | |
| INTEGUMENTARY SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Mammary Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | |
| Skin | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | |
| Inflammation | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Epidermis, Hyperplasia | | | | | | | | | | | | | | | | | | | | | | | | | | |
| MUSCULOSKELETAL SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Bone | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | |
| Fibro-Osseous Lesion | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Osteopetrosis | | | | | | | | | | | | | | | | | | | | | | | | | | |
| NERVOUS SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Brain | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | |
| Necrosis | | | | | | | | | | | | | | | | | | | | | | | | | | |
| RESPIRATORY SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Lung | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | |
| Alveolar Epithelium, Hyperplasia | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Alveolus, Infiltration Cellular, Histiocyte | | | | | | | | | | | | | | | | | | | | | | | | | | |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue
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| B6C3F1 MICE FEMALE
0 MG/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 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|-------------------------------|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ANIMAL ID | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 4 | 7 | 7 | 7 | 7 | 4 | 3 | 2 | 2 |

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--|
| Nose | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | |
| Inflammation | | | | | | | | | | 1 | | | | | | | | | | 1 | | | | | | 1 | | | | | | | | | | |
| Glands, Olfactory Epithelium, Dilatation | | | | | | | | | 1 | | | | | 1 | | | | | 1 | 1 | | | 1 | 1 | | | 1 | 1 | | | | | | | | |
| Glands, Olfactory Epithelium, Hyperplasia | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | |
| Glands, Olfactory Epithelium, Metaplasia, Respiratory | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | |
| Glands, Respiratory Epithelium, Dilatation | | | | | 1 | | | | | | 1 | | | 1 | 1 | | | | | 1 | | | | | 1 | | | 1 | | | | | | | | |
| Olfactory Epithelium, Accumulation, Hyaline Droplet | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Olfactory Epithelium, Metaplasia, Respiratory | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Respiratory Epithelium, Accumulation, Hyaline Droplet | | | | 1 | | | 1 | | | | 2 | | 2 | 1 | 1 | | 1 | 1 | 1 | 2 | 1 | 3 | | | | 1 | 1 | | | | | | | | | |
| Respiratory Epithelium, Hyperplasia | 1 | | | | | | | 1 | 1 | | 1 | | | | | 1 | | | | | | | | | | 1 | | | | | | | | | 1 | |

females (cont...)

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Trachea | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
|---------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|

SPECIAL SENSES SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--|
| Eye | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | |
| Harderian Gland | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Hyperplasia | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Inflammation | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 3 | |

URINARY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Kidney | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Infarct | | | | | | 2 | | 2 | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | |
| Nephropathy | | | | | | | | | | | | | | 1 | | | | | | | | 1 | | | | | | | | | | | | | |
| Renal Tubule, Necrosis | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | |

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

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

| B6C3F1 MICE FEMALE | | 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 | females
(cont...) |
|--------------------|--|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----------------------|
| | | | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | | |
| | | | 3 | 3 | 2 | 2 | 2 | 2 | 3 | 3 | 2 | 4 | 2 | 3 | 2 | 3 | 3 | 2 | 3 | 3 | 2 | 3 | 3 | 2 | | |
| 0 MG/KG | | ANIMAL ID | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | |
| | | | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | | |
| | | | 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 | | |
| 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

TDMS No. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 N,N-Dimethyl-p-toluidine
 CAS Number: 99-97-8

Date Report Requested: 03/10/2011
 Time Report Requested: 11:42:39
 First Dose M/F: 10/26/04 / 10/25/04
 Lab: BAT

| | | | | | | | | | | | | | | | | | | | | | | | | |
|--------------------|-------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|----------|
| B6C3F1 MICE FEMALE | DAY ON TEST | 0730 | 0698 | 0730 | 0770 | 0771 | 0777 | 0777 | 0777 | 0777 | 0676 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0676 | 0777 | 0676 | 0777 | 0676 | * TOTALS |
| | ANIMAL ID | 0022 | 0022 | 0022 | 0022 | 0022 | 0022 | 0022 | 0022 | 0022 | 0022 | 0022 | 0022 | 0022 | 0022 | 0022 | 0022 | 0022 | 0022 | 0022 | 0022 | 0022 | 0022 | |
| 0 MG/KG | | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | |

ALIMENTARY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|--------|
| Esophagus Muscularis, Inflammation | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | 1 1.0 |
| Gallbladder | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |
| Intestine Large, Cecum Lymphoid Tissue, Hyperplasia, Lymphoid | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | 1 3.0 |
| Intestine Large, Colon | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |
| Intestine Large, Rectum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |
| Intestine Small, Duodenum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |
| Intestine Small, Ileum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |
| Intestine Small, Jejunum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |
| Liver Angiectasis | | | | | | 2 | | | | | | | | | | | | | | | | | | | 50 | 1 2.0 |
| Liver Basophilic Focus | | | X | | | | | | | | | | | | | | X | X | X | | | | | | | 7 |
| Liver Eosinophilic Focus | | X | | | X | X | X | | | | X | | X | | | | X | X | X | | X | X | | | | 20 |
| Liver Fatty Change | | | | | | | | | | | | | | | | | | | | | | 4 | | | | 1 4.0 |
| Liver Hematopoietic Cell Proliferation | | | | | | | | | | | | | | | | | | | | | | | | | | 2 1.0 |
| Liver Inflammation, Chronic Active | 1 | 1 | 1 | 1 | 1 | | | 1 | | | 1 | 1 | | | 1 | 1 | 1 | | | 2 | 1 | 1 | 1 | | | 39 1.1 |
| Liver Mixed Cell Focus | | | | | | | | | | | | | X | | | | | | | | | | | | | 3 |
| Liver Necrosis | | | | | | | | | | | | | | | | | | | | | 2 | | | | | 1 2.0 |
| Liver Pigmentation | | | | | | | | | | | | | | | 3 | | | | | | | | | | | 1 3.0 |

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

TDMS No. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 N,N-Dimethyl-p-toluidine
 CAS Number: 99-97-8

Date Report Requested: 03/10/2011
 Time Report Requested: 11:42:39
 First Dose M/F: 10/26/04 / 10/25/04
 Lab: BAT

| B6C3F1 MICE FEMALE
0 MG/KG | DAY ON TEST | | | | | | | | | | | | | | | | | | | | | | | | * TOTALS |
|--|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|----------------------------------|
| | 0
7
3
0 | 0
6
9
8 | 0
7
3
0 | 0
7
3
0 | 0
7
3
0 | 0
7
3
0 | 0
7
3
1 | 0
7
3
0 | 0
7
2
9 | 0
7
3
0 | 0
6
6
6 | 0
7
2
9 | 0
7
3
0 | 0
7
3
0 | 0
7
3
1 | 0
7
2
9 | 0
7
3
1 | 0
6
6
6 | 0
7
2
9 | 0
6
4
2 | 0
7
3
0 | 0
6
4
0 | 0
6
3
6 | | |
| ANIMAL ID | 0
0
2
2
6 | 0
0
2
2
7 | 0
0
2
2
8 | 0
0
2
2
9 | 0
0
2
3
0 | 0
0
2
3
1 | 0
0
2
3
2 | 0
0
2
3
3 | 0
0
2
3
4 | 0
0
2
3
5 | 0
0
2
3
6 | 0
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2
3
7 | 0
0
2
3
8 | 0
0
2
3
9 | 0
0
2
4
0 | 0
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2
4
1 | 0
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2
4
2 | 0
0
2
4
3 | 0
0
2
4
4 | 0
0
2
4
5 | 0
0
2
4
6 | 0
0
2
4
7 | 0
0
2
4
8 | 0
0
2
4
9 | |
| Bile Duct, Cyst | 2 | | | | | | | | | | | | | | | | | | | | | | | 2 | 2.0 |
| Mesentery
Fat, Necrosis | | | | | | | | | | | | | | | | | | | | | | | | 3 | 3 2.0 |
| Pancreas
Atrophy | + | | | | | | | | | | | | | | | | | | | | | | | 50 | 1 3.0 |
| Salivary Glands | + | | | | | | | | | | | | | | | | | | | | | | | 50 | |
| Stomach, Forestomach
Inflammation
Necrosis
Ulcer
Epithelium, Hyperplasia | + | | | | | | | | | | | | | | | | | | | | | | | 50 | 3 3.0
1 1.0
2 2.0
3 2.7 |
| Stomach, Glandular
Mineralization
Epithelium, Necrosis | + | | | | | | | | | | | | | | | | | | | | | | | 50 | 1 1.0
1 1.0 |
| Tooth
Dysplasia
Peridontal Tissue, Pulp, Inflammation | + | | | | | | | | | | | | | | | | | | | | | | | 13 | 13
1 2.0 |

CARDIOVASCULAR SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|----|----------------|
| Blood Vessel | + | | | | | | | | | | | | | | | | | | | | | | | | 50 | |
| Heart
Cardiomyopathy
Mineralization | + | | | | | | | | | | | | | | | | | | | | | | | | 50 | 5 1.2
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

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---------------------------|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------------|--|--|
| B6C3F1 MICE FEMALE | 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 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 6 | 7 | 6 | 7 | 6 | | |
| | | 3 | 9 | 3 | 3 | 3 | 3 | 3 | 3 | 2 | 3 | 6 | 2 | 3 | 3 | 3 | 2 | 2 | 3 | 3 | 6 | 2 | 4 | 3 | | |
| 0 | 8 | 0 | 0 | 0 | 0 | 1 | 0 | 9 | 0 | 6 | 9 | 0 | 0 | 1 | 0 | 9 | 9 | 1 | 0 | 6 | 9 | 2 | 0 | 3 | | |
| 0 MG/KG | ANIMAL ID | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | |
| | | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 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 | | |

ENDOCRINE SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|----------------|
| Adrenal Cortex | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |
| Adrenal Medulla
Hyperplasia | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | 3 2.3 |
| Islets, Pancreatic | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |
| Parathyroid Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | M | + | + | + | + | + | + | 48 | |
| Pituitary Gland
Pars Distalis, Hyperplasia
Pars Intermedia, Hyperplasia | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 | 5 2.2
1 1.0 |
| Thyroid Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |

GENERAL BODY SYSTEM

NONE

GENITAL SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|----------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|-----|-------|
| Clitoral Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |
| Ovary | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |
| Angiectasis | | | | | | | | | | | | | | | | | | | | | | | | | | 2 4.0 |
| Atrophy | 3 | 4 | 4 | | 4 | 4 | 3 | 4 | 4 | 4 | 3 | 4 | 3 | 4 | 4 | 4 | 4 | | 4 | 3 | 2 | 4 | 3 | 40 | 3.6 | |
| Cyst | | | 2 | | | | | | | | | | | | | | | | 2 | | | | | | 4 | 2.0 |
| Hemorrhage | | | | | | | | | | | | | | | | | | | | 4 | | | | | 2 | 3.5 |

* .. 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. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 N,N-Dimethyl-p-toluidine
 CAS Number: 99-97-8

Date Report Requested: 03/10/2011
 Time Report Requested: 11:42:39
 First Dose M/F: 10/26/04 / 10/25/04
 Lab: BAT

| B6C3F1 MICE FEMALE
0 MG/KG | DAY ON TEST | | | | | | | | | | | | | | | | | | | | | | | | * TOTALS | | |
|---|-------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|----------|------|--|
| | 0730 | 0698 | 0730 | 0733 | 0733 | 0733 | 0733 | 0733 | 0733 | 0733 | 0733 | 0733 | 0733 | 0733 | 0733 | 0733 | 0733 | 0733 | 0733 | 0733 | 0733 | 0733 | 0733 | 0733 | | 0733 | |
| ANIMAL ID | 002266 | 002267 | 002268 | 002269 | 002270 | 002271 | 002272 | 002273 | 002274 | 002275 | 002276 | 002277 | 002278 | 002279 | 002280 | 002281 | 002282 | 002283 | 002284 | 002285 | 002286 | 002287 | 002288 | 002289 | 002290 | | |
| Pigmentation | 1 | | 1 | 1 | | 1 | 2 | | 1 | 1 | | 1 | 1 | | 1 | 1 | 2 | 1 | 1 | | 1 | 1 | | | | | |
| Thymus | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | |
| Atrophy | 1 | 3 | 2 | 1 | | | 2 | 1 | 3 | 2 | 2 | 2 | | 2 | 2 | 3 | 2 | 2 | 2 | 2 | 4 | 2 | 4 | 4 | 4 | | |
| Hyperplasia, Lymphoid | 2 | | | | | 2 | | 1 | | | | | | | | | | | | | | | | | | | |
| INTEGUMENTARY SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Mammary Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | |
| Skin | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | |
| Inflammation | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Epidermis, Hyperplasia | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| MUSCULOSKELETAL SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Bone | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | |
| Fibro-Osseous Lesion | | | | | | 2 | | | | | | | | | | | 1 | | | | | | | | | | |
| Osteopetrosis | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| NERVOUS SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Brain | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | |
| Necrosis | | | | | | | | | | | | | | | | | | | | | | | | | 3 | | |
| RESPIRATORY SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Lung | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | |
| Alveolar Epithelium, Hyperplasia | | | | | | 2 | | | | | | | | | | | | | | | | | | | | | |
| Alveolus, Infiltration Cellular, Histiocyte | | | | | | 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

| B6C3F1 MICE FEMALE
0 MG/KG | DAY ON TEST | | | | | | | | | | | | | | | | | | | | | | | | * TOTALS |
|-------------------------------|-------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|----------|
| | 0730 | 0698 | 0730 | 0733 | 0733 | 0733 | 0733 | 0733 | 0733 | 0733 | 0733 | 0733 | 0733 | 0733 | 0733 | 0733 | 0733 | 0733 | 0733 | 0733 | 0733 | 0733 | 0733 | 0733 | |
| ANIMAL ID | 0022 | 0022 | 0022 | 0022 | 0023 | 0023 | 0023 | 0023 | 0023 | 0023 | 0023 | 0023 | 0023 | 0023 | 0023 | 0023 | 0023 | 0023 | 0023 | 0023 | 0023 | 0023 | 0023 | 0023 | 0023 |

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--------|
| Nose | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Inflammation | | | | | | | | | | | | | | | | | | | | | | | | | 3 1.0 |
| Glands, Olfactory Epithelium, Dilatation | | | 1 | | 1 | | 1 | 1 | | | | | | 1 | | 1 | | | | 1 | | | | | 13 1.0 |
| Glands, Olfactory Epithelium, Hyperplasia | | | | | | | | 1 | | | | | | | | | | | | | | | | | 2 1.0 |
| Glands, Olfactory Epithelium, Metaplasia, Respiratory | | | | | | | | 1 | | | | | | | | | | | | | | | | | 2 1.0 |
| Glands, Respiratory Epithelium, Dilatation | | | | | | | | | 1 | | | 1 | 1 | | | | | | | | | 1 | | | 10 1.0 |
| Olfactory Epithelium, Accumulation, Hyaline Droplet | | | | | | | | | | | | | | | | | | | | | | | 1 | | 2 1.0 |
| Olfactory Epithelium, Metaplasia, Respiratory | | | | | | | | | | | | | | | | | | | | | | | 1 | | 1 1.0 |
| Respiratory Epithelium, Accumulation, Hyaline Droplet | 1 | 1 | 1 | 1 | 1 | 1 | 2 | | 1 | 1 | 1 | 2 | | 1 | 1 | | 1 | 1 | 1 | 1 | 1 | 1 | 2 | | 33 1.2 |
| Respiratory Epithelium, Hyperplasia | | | | | | | | 1 | | | 1 | | | | | | | 1 | | | 1 | | | | 11 1.0 |

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|---------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|
| Trachea | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
|---------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|

SPECIAL SENSES SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-------|
| Eye | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Harderian Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Hyperplasia | | | | 1 | | 3 | | | 4 | | | | | | | | | | | | | | | | 4 2.8 |
| Inflammation | | | | | | | | | | | | | | | | | | | | | | 3 | | | 1 3.0 |

URINARY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--------|
| Kidney | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Infarct | | | | | | | | | | | | | | | | | | | | | | | 2 | | 4 1.8 |
| Nephropathy | | | 1 | 1 | 1 | | 1 | | | | | | | 1 | 1 | 1 | | | | 1 | | | 1 | | 13 1.0 |
| Renal Tubule, Necrosis | | | | | | | | | | | | | | | | | | | | | | 4 | | | 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

TDMS No. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 N,N-Dimethyl-p-toluidine
 CAS Number: 99-97-8

Date Report Requested: 03/10/2011
 Time Report Requested: 11:42:39
 First Dose M/F: 10/26/04 / 10/25/04
 Lab: BAT

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

ALIMENTARY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | |
|--------------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Esophagus | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Gallbladder | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Large, Cecum
Fibrosis | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Large, Colon
Fibrosis | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Large, Rectum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Small, Duodenum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Small, Ileum
Fibrosis | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Small, Jejunum
Fibrosis | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Peyer's Patch, Hyperplasia, Lymphoid | | | | | | | | | | | | | | | | | | | | | | | | |
| Liver | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Basophilic Focus | X | X | | X | | | | | | | | | | | | | | | | | | | | |
| Clear Cell Focus | | | | | | | | | | | | | | | | | | | | | | | | |
| Eosinophilic Focus | | X | X | | X | X | | X | X | X | | | X | | | X | | | | | | | X | |
| Hematopoietic Cell Proliferation | | | | | | | | | 1 | | | | | | | 2 | | | | | | | | |
| Inflammation, Chronic Active | | 1 | 1 | | 1 | 1 | | | 1 | | 1 | 1 | | 1 | | 1 | 1 | 1 | 1 | 1 | | 1 | | 1 |
| Mixed Cell Focus | | | X | | | X | | | | | X | | | | | | | | X | X | | | X | |
| Necrosis | 2 | | | | | | | | 1 | | | | | | | 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
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 1) Minimal 3) Moderate
 2) Mild 4) Marked

TDMS No. 20107 - 04
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 Species/Strain: MICE/B6C3F1

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 N,N-Dimethyl-p-toluidine
 CAS Number: 99-97-8

Date Report Requested: 03/10/2011
 Time Report Requested: 11:42:39
 First Dose M/F: 10/26/04 / 10/25/04
 Lab: BAT

| B6C3F1 MICE FEMALE
6 MG/KG | DAY ON TEST | | | | | | | | | | | | | | | | | | | | | | | | | ANIMAL ID | females
(cont...) |
|--------------------------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|---|-----------|----------------------|
| | 0
7
2
0 | 0
7
3
1 | 0
7
2
3 | 0
7
0
0 | 0
7
2
9 | 0
7
3
0 | 0
7
3
1 | 0
7
2
9 | 0
7
3
1 | 0
7
3
0 | 0
7
3
0 | 0
7
3
1 | 0
7
2
9 | 0
7
3
1 | 0
7
3
1 | 0
7
2
9 | 0
7
3
0 | 0
7
3
1 | 0
7
3
1 | 0
6
7
1 | 0
7
2
9 | 0
7
3
0 | 0
7
7
9 | 0
7
7
9 | | | |
| Pigmentation | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | |
| Bile Duct, Cyst | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Hepatocyte, Hypertrophy | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | | |
| Kupffer Cell, Hyperplasia | | | | | | | | | | | | | | | | | | | | | | | | 2 | | | |
| Serosa, Fibrosis | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Serosa, Inflammation, Chronic Active | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| Mesentery | | | | | | | | | | | | | | | | | | | | | | | | + | | | |
| Inflammation, Chronic | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Fat, Necrosis | | | | | | | | | | | | | | | | | | | | | | | | 4 | 3 | | |
| Pancreas | | | | | | | | | | | | | | | | | | | | | | | | + | + | | |
| Salivary Glands | | | | | | | | | | | | | | | | | | | | | | | | + | + | | |
| Stomach, Forestomach | | | | | | | | | | | | | | | | | | | | | | | | + | + | | |
| Erosion | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Fibrosis | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Inflammation | | | | | | | | | | | | | | | | | | | | | | | | 2 | 2 | | |
| Ulcer | | | | | | | | | | | | | | | | | | | | | | | | | 2 | | |
| Epithelium, Cyst | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Epithelium, Hyperplasia | | | | | | | | | | | | | | | | | | | | | | | | 3 | 3 | | |
| Stomach, Glandular | | | | | | | | | | | | | | | | | | | | | | | | + | + | | |
| Tooth | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Dysplasia | | | | | | | | | | | | | | | | | | | | | | | | X | X | | |

CARDIOVASCULAR SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | |
|--------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Blood Vessel | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
|--------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|

* .. 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
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 BLANK .. Not examined microscopically

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

TDMS No. 20107 - 04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
N,N-Dimethyl-p-toluidine
CAS Number: 99-97-8

Date Report Requested: 03/10/2011
Time Report Requested: 11:42:39
First Dose M/F: 10/26/04 / 10/25/04
Lab: BAT

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

NONE

GENITAL SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Clitoral Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Ovary | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Atrophy | 4 | | | 4 | 3 | 3 | 4 | 3 | 4 | 4 | 2 | 4 | 2 | 4 | 3 | 3 | | 3 | 4 | 4 | 3 | 4 | 2 | 4 | 1 |
| Cyst | | | | | | | | | | | | 1 | 3 | | | | | | | | 2 | | | 4 | |
| Inflammation | | | | 4 | 4 | | | | | | | | | | | | | | | | | | | | |
| Oviduct | + | | | | | | | | | | | | | | | | | | | | | | | | |
| Uterus | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Angiectasis | | | | | | | | | | | | | | | | | | | | | | | 4 | | |
| Dilatation | | | 3 | | | 3 | | | | | 4 | | | | 4 | 4 | | | | 3 | | | | 4 | |
| Inflammation | | | | 3 | | | | | | | | | | | | 3 | | | | | | | | | |
| Thrombosis | | | | | | | | | | | | | | | | | | | | | | | | 4 | |
| Endometrium, Hyperplasia, Cystic | 2 | | | | | | | | | 2 | 3 | | | 2 | | | | | 3 | | | 3 | 2 | 1 | |

HEMATOPOIETIC SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Bone Marrow | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Atrophy | | | | | | | | | | | | | | | | | | | | | | | | | |
| Hyperplasia | 3 | 3 | 2 | 3 | | 1 | 1 | | | | | | | | 1 | 3 | | | | 1 | | 1 | | 3 | |
| Lymph Node | | | | | | | | | + | | | | | | | | | | | | | | | | |
| Renal, Hemorrhage | | | | | | | | | | | | | | | | | | | | | | | | | |
| Lymph Node, Mandibular | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Atrophy | 4 | | | | | | | | | | | | | | | | | | | | | | | | |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
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X .. Lesion present
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 Lab: BAT

| B6C3F1 MICE FEMALE
6 MG/KG | DAY ON TEST | | | | | | | | | | | | | | | | | | | | ANIMAL ID | females
(cont...) |
|--|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|-----------|----------------------|
| | 0
7
2
0 | 0
7
3
1 | 0
7
2
3 | 0
7
0
0 | 0
7
2
9 | 0
7
3
0 | 0
7
3
1 | 0
7
2
1 | 0
7
3
9 | 0
7
3
1 | 0
7
2
0 | 0
7
3
0 | 0
7
2
9 | 0
7
3
1 | 0
7
2
9 | 0
7
3
0 | 0
7
3
1 | 0
7
3
1 | 0
7
6
1 | 0
7
7
2 | | |
| Hyperplasia, Lymphoid
Hyperplasia, Plasma Cell | | | | | 3 | | | | | | | | | | | | | | 2 | 2 | | 1 |
| Lymph Node, Mesenteric
Atrophy
Hyperplasia, Lymphoid | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Spleen
Atrophy
Hematopoietic Cell Proliferation
Hyperplasia, Lymphoid
Infarct
Pigmentation
Capsule, Fibrosis | 4 | 1 | 3 | 2 | 2 | 1 | 2 | 4 | 2 | 1 | 2 | 2 | 1 | 2 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Thymus
Atrophy
Hyperplasia, Histiocytic | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| INTEGUMENTARY SYSTEM | | | | | | | | | | | | | | | | | | | | | | |
| Mammary Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Skin
Inflammation
Ulcer
Dermis, Fibrosis | 4 | 4 | | | | | | | 2 | | 3 | | 2 | | | | | | | | | |
| MUSCULOSKELETAL SYSTEM | | | | | | | | | | | | | | | | | | | | | | |
| Bone | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |

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 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 N,N-Dimethyl-p-toluidine
 CAS Number: 99-97-8

Date Report Requested: 03/10/2011
 Time Report Requested: 11:42:39
 First Dose M/F: 10/26/04 / 10/25/04
 Lab: BAT

| B6C3F1 MICE FEMALE | DAY ON TEST | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
|--------------------|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 6 | 7 | 7 | 7 | |
| 6 MG/KG | ANIMAL ID | 2 | 3 | 2 | 0 | 2 | 3 | 3 | 2 | 3 | 3 | 2 | 3 | 2 | 3 | 3 | 2 | 2 | 3 | 3 | 3 | 7 | 2 | 3 | 2 | |
| | | 0 | 1 | 3 | 0 | 9 | 0 | 1 | 9 | 0 | 0 | 0 | 0 | 1 | 9 | 1 | 9 | 9 | 0 | 0 | 1 | 1 | 1 | 9 | 9 | |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 7 | 7 | 7 | 7 | |
| | | 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...)

Fibro-Osseous Lesion 3 2
 Osteopetrosis

Skeletal Muscle +
 Inflammation

NERVOUS SYSTEM

Brain + +

RESPIRATORY SYSTEM

Lung + +

Foreign Body
 Inflammation
 Alveolar Epithelium, Hyperplasia 3 1

Nose + +

Inflammation 1 1

Glands, Olfactory Epithelium, Dilatation 1 1

Glands, Olfactory Epithelium, Hyperplasia 1 1 1 1 1 1 1 1 1

Glands, Olfactory Epithelium, Metaplasia, Respiratory 1 1

Glands, Respiratory Epithelium, Dilatation 1 1 1 1 1 1 1

Glands, Respiratory Epithelium, Hyperplasia 1 1 1 1

Olfactory Epithelium, Accumulation, Hyaline Droplet 1 1

Olfactory Epithelium, Metaplasia, Respiratory 1 1 1 1

Respiratory Epithelium, Accumulation, Hyaline Droplet 1 1 1 1 1 1 1 1 1 1 1 1 1 1 2 2

Respiratory Epithelium, Hyperplasia 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 M .. Missing tissue 1-4 .. Lesion qualified as:
 X .. Lesion present A .. Autolysis precludes evaluation 1) Minimal 3) Moderate
 I .. Insufficient tissue BLANK .. Not examined microscopically 2) Mild 4) Marked

| B6C3F1 MICE FEMALE
6 MG/KG | DAY ON TEST | | | | | | | | | | | | | | | | | | | | | | | | * TOTALS |
|--------------------------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
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| ANIMAL ID | 0
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| Pigmentation | | | | | | | | | | | | | | | | | | | | | | | | | 1 1.0 |
| Bile Duct, Cyst | | | | | | | | | | | | | | | | | | | | | | | | | 2 1 2.0 |
| Hepatocyte, Hypertrophy | | | | | | | | | | | | | | | | | | | | | | | | | 2 4 2 11 1.6 |
| Kupffer Cell, Hyperplasia | | | | | | | | | | | | | | | | | | | | | | | | | 1 2.0 |
| Serosa, Fibrosis | | | | | | | | | | | | | | | | | | | | | | | | | 3 1 3.0 |
| Serosa, Inflammation, Chronic Active | | | | | | | | | | | | | | | | | | | | | | | | | 2 1 2.0 |
| Mesentery | | | | | | | | | | | | | | | | | | | | | | | | | 8 |
| Inflammation, Chronic | | | | | | | | | | | | | | | | | | | | | | | | | 4 1 4.0 |
| Fat, Necrosis | | | | | | | | | | | | | | | | | | | | | | | | | 2 2 5 2.4 |
| Pancreas | | | | | | | | | | | | | | | | | | | | | | | | | 50 |
| Salivary Glands | | | | | | | | | | | | | | | | | | | | | | | | | 50 |
| Stomach, Forestomach | | | | | | | | | | | | | | | | | | | | | | | | | 50 |
| Erosion | | | | | | | | | | | | | | | | | | | | | | | | | 1 1 1.0 |
| Fibrosis | | | | | | | | | | | | | | | | | | | | | | | | | 3 1 3.0 |
| Inflammation | | | | | | | | | | | | | | | | | | | | | | | | | 1 3 4 2.0 |
| Ulcer | | | | | | | | | | | | | | | | | | | | | | | | | 2 2 2.0 |
| Epithelium, Cyst | | | | | | | | | | | | | | | | | | | | | | | | | 1 1 1.0 |
| Epithelium, Hyperplasia | | | | | | | | | | | | | | | | | | | | | | | | | 3 5 2.8 |
| Stomach, Glandular | | | | | | | | | | | | | | | | | | | | | | | | | 50 |
| Tooth | | | | | | | | | | | | | | | | | | | | | | | | | 10 |
| Dysplasia | | | | | | | | | | | | | | | | | | | | | | | | | X X X X X 10 |

CARDIOVASCULAR SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|--------------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|----|
| Blood Vessel | | | | | | | | | | | | | | | | | | | | | | | | | 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

| B6C3F1 MICE FEMALE
6 MG/KG | DAY ON TEST | | | | | | | | | | | | | | | | | | | | | | | | * TOTALS | | |
|---|-------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----------|---|-----|
| | 04 | 05 | 07 | 07 | 07 | 07 | 07 | 07 | 07 | 07 | 07 | 07 | 07 | 07 | 07 | 07 | 07 | 07 | 07 | 07 | 07 | 07 | 07 | 07 | | | |
| ANIMAL ID | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | | | |
| | 276 | 277 | 278 | 279 | 280 | 281 | 282 | 283 | 284 | 285 | 286 | 287 | 288 | 289 | 290 | 291 | 292 | 293 | 294 | 295 | 296 | 297 | 298 | 299 | | | |
| Embolus Bacterial
Media, Pulmonary Artery, Hyperplasia | | | | | | | | | | | | | | | | | | | | | | | | | 2 | 1 | 2.0 |
| Heart
Cardiomyopathy
Mineralization
Valve, Thrombosis | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | 2 | 1.0 |
| | 1 | | | | | | | | | | | | | | | | | | | | | | | | 1 | 2 | 1.0 |
| | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | 1.0 |
| ENDOCRINE SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Adrenal Cortex
Angiectasis | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | 1 | 2.0 |
| Adrenal Medulla | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | | |
| Islets, Pancreatic
Hyperplasia | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | 1 | 1.0 |
| Parathyroid Gland | + | + | + | M | + | + | + | + | M | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | 38 | | |
| Pituitary Gland
Pars Distalis, Hyperplasia
Pars Intermedia, Hyperplasia | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | 3 | 1.3 |
| | | | | | | | | | | | | | | | | | | | | | | | | | 2 | 1 | 2.0 |
| Thyroid Gland
Atrophy
Inflammation
Follicular Cell, Hyperplasia | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | 2 | 2.0 |
| | | | | | | | | | | | | | | | | | | | | | | | | | 2 | 1 | 2.0 |
| | | | | | | | | | | | | | | | | | | | | | | | | | 2 | 1 | 3.0 |
| GENERAL BODY 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

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| B6C3F1 MICE FEMALE
6 MG/KG | DAY ON TEST | | | | | | | | | | | | | | | | | | | | ANIMAL ID | * TOTALS | | | | |
|----------------------------------|------------------|-------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|-----------|----------|--------|--------|---|--------|
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| Hyperplasia, Lymphoid | 2 | | | | | | | | | | | | | | | | | | | | | 5 2.0 | | | | |
| Hyperplasia, Plasma Cell | | | | | | | | | | | | | | | | | | | | | | 1 3.0 | | | | |
| Lymph Node, Mesenteric | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | 49 | | | |
| Atrophy | | 2 | 1 | | | | | | | | | | | | | | | | 2 | | | | 5 2.0 | | | |
| Hyperplasia, Lymphoid | | | | | | | | | | | | | | | | | | | | | 4 | 4 | 3 3.7 | | | |
| Spleen | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | 49 | | | |
| Atrophy | | 2 | | | | | | 1 | | | | 2 | | | | | | | | | | | 8 1.8 | | | |
| Hematopoietic Cell Proliferation | 2 | | | | 1 | | 1 | 3 | | | 1 | | 2 | 1 | 3 | | 4 | | | 3 | | 2 | 2 | 23 2.1 | | |
| Hyperplasia, Lymphoid | | | 2 | 2 | | | 2 | | 2 | | | | | | | 1 | | 2 | | | | | 15 1.7 | | | |
| Infarct | | | | | | | | | | | | | | | | | | | | | | | 1 2.0 | | | |
| Pigmentation | | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | | | 1 | 1 | 1 | | 1 | 1 | 1 | | 1 | 1 | 39 1.0 | | |
| Capsule, Fibrosis | | | | | | | | | | | 3 | | | | | | | | | | | | 1 3.0 | | | |
| Thymus | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | | | |
| Atrophy | 3 | 4 | 3 | 2 | 2 | | 2 | 3 | 1 | | 3 | 4 | 1 | 3 | 3 | 2 | 3 | 3 | 2 | 2 | 2 | 3 | 2 | 3 | 2 | 46 2.5 |
| Hyperplasia, Histiocytic | | | | | | | | | | | | | | | | | | | | | | | 1 2.0 | | | |
| INTEGUMENTARY SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Mammary Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | | | |
| Skin | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | | | |
| Inflammation | | | | | | | | | | | | | | | | | | | | | | | 2 3.0 | | | |
| Ulcer | | | | | | | | | | | | | | | | | | | | | | | 2 3.5 | | | |
| Dermis, Fibrosis | | | | | | | | | | | | | | | | | | | | | | | 1 2.0 | | | |
| MUSCULOSKELETAL SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Bone | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 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
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 1-4 .. Lesion qualified as:
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 2) Mild 4) Marked

| B6C3F1 MICE FEMALE | DAY ON TEST | | | | | | | | | | | | | | | | | | | | | | | | * TOTALS | | |
|-------------------------------|-------------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----------|--|--|
| | 04 | 05 | 07 | 07 | 07 | 07 | 07 | 07 | 07 | 07 | 07 | 07 | 07 | 07 | 07 | 07 | 07 | 07 | 07 | 07 | 07 | 07 | 07 | 07 | | | |
| 6 MG/KG | ANIMAL ID | | | | | | | | | | | | | | | | | | | | | | | | * TOTALS | | |
| | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | | | |
| Trachea | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | | |
| SPECIAL SENSES SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Eye | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | | |
| Cornea, Inflammation | | | | | | | | | | | | | | | | | | | | | | | | | 1 2.0 | | |
| Harderian Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | | |
| Fibrosis | | | | | | | | | | | | | | | | | | | | | | | | | 1 2.0 | | |
| Hyperplasia | | | | | | | | | | | | | | | | | | | | | | | | | 2 2.5 | | |
| URINARY SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Kidney | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | | |
| Accumulation, Hyaline Droplet | | | | | | | | | | | | | | | | | | | | | | | | | 2 2.5 | | |
| Infarct | | | | | | | | | | | | | | | | | | | | | | | | | 3 1.3 | | |
| Mineralization | | | | | | | | | | | | | | 1 | | | | | | | | | | | 1 1.0 | | |
| Nephropathy | | | | | | | | | 1 | | | | | | | | 1 | | | | | 1 | 1 | 1 | 15 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
 I .. Insufficient tissue
 M .. Missing tissue
 A .. Autolysis precludes evaluation
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1-4 .. Lesion qualified as:
 1) Minimal 3) Moderate
 2) Mild 4) Marked

TDMS No. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 N,N-Dimethyl-p-toluidine
 CAS Number: 99-97-8

Date Report Requested: 03/10/2011
 Time Report Requested: 11:42:39
 First Dose M/F: 10/26/04 / 10/25/04
 Lab: BAT

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---------------------------|-------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-------------------|
| B6C3F1 MICE FEMALE | DAY ON TEST | 0660 | 0729 | 0779 | 0770 | 0771 | 0772 | 0773 | 0774 | 0775 | 0776 | 0777 | 0778 | 0779 | 0780 | 0781 | 0782 | 0783 | 0784 | 0785 | 0786 | 0787 | 0788 | 0789 | 0790 | 0791 | 0792 | 0793 | 0794 | 0795 | 0796 | 0797 | 0798 | 0799 | | | |
| | ANIMAL ID | 0030 | 0031 | 0032 | 0033 | 0034 | 0035 | 0036 | 0037 | 0038 | 0039 | 0040 | 0041 | 0042 | 0043 | 0044 | 0045 | 0046 | 0047 | 0048 | 0049 | 0050 | 0051 | 0052 | 0053 | 0054 | 0055 | 0056 | 0057 | 0058 | 0059 | 0060 | 0061 | 0062 | 0063 | 0064 | 0065 |
| 20 MG/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 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | females (cont...) |

ALIMENTARY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Esophagus | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Perforation | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Muscularis, Degeneration | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Periesophageal Tissue, Hemorrhage | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Gallbladder | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | |
| Intestine Large, Cecum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Intestine Large, Colon | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Intestine Large, Rectum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Intestine Small, Duodenum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Intestine Small, Ileum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Intestine Small, Jejunum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Liver | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Basophilic Focus | | | | | X | X | | | | | | | | | X | | | | X | | X | | | | | | | | | | | | | | | | | | | |
| Clear Cell Focus | | | | X | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Eosinophilic Focus | | X | X | X | X | X | X | X | | X | X | X | X | | X | X | | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | |
| Hematopoietic Cell Proliferation | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Inflammation, Chronic Active | 2 | 1 | | | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | | | | 1 | | 1 | 1 | | | | | | | | 1 | | | | | | 1 | | 1 | | | |
| Mixed Cell Focus | X | | | | | | | | | | X | | | | | | | | | | | | | | | | | | | | | | | | | X | | | | |
| Necrosis | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | 2 | | |
| Pigmentation | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| Bile Duct, Cyst | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

* .. 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. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 N,N-Dimethyl-p-toluidine
 CAS Number: 99-97-8

Date Report Requested: 03/10/2011
 Time Report Requested: 11:42:39
 First Dose M/F: 10/26/04 / 10/25/04
 Lab: BAT

| B6C3F1 MICE FEMALE
20 MG/KG | DAY ON TEST | | | | | | | | | | | | | | | | | | | | ANIMAL ID | females
(cont...) |
|--|-------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-----------|----------------------|
| | 0600 | 0700 | 0709 | 0703 | 0731 | 0729 | 0731 | 0730 | 0730 | 0730 | 0730 | 0730 | 0730 | 0730 | 0730 | 0730 | 0730 | 0730 | 0730 | 0730 | | |
| Hepatocyte, Hypertrophy | | | | | | 2 | 2 | | 1 | | | 1 | | 2 | | | | | | | | |
| Mesentery
Fat, Necrosis | + | | | | | + | | | + | | | | | | | | | | | | | |
| Pancreas
Atrophy
Duct, Cyst | + | + | + | + | + | | | | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Salivary Glands | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Stomach, Forestomach
Inflammation
Ulcer
Epithelium, Hyperplasia | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Stomach, Glandular | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Tooth
Dysplasia | + | | | | + | | | | | | | | | | | | | + | + | + | + | |

CARDIOVASCULAR SYSTEM

| | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Blood Vessel | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Heart
Cardiomyopathy
Mineralization
Necrosis
Valve, Thrombosis
Ventricle, Thrombosis | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |

* .. 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

| B6C3F1 MICE FEMALE
20 MG/KG | DAY ON TEST | | | | | | | | | | | | | | | | | | | | | | | | females
(cont...) | | | | | | | | | | | |
|----------------------------------|-------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|----------------------|------|------|------|------|------|------|------|------|------|------|---|
| | 0660 | 0729 | 0779 | 0770 | 0771 | 0772 | 0773 | 0774 | 0775 | 0776 | 0777 | 0778 | 0779 | 0723 | 0771 | 0772 | 0775 | 0777 | 0778 | 0779 | 0622 | 0627 | 0723 | 0729 | | 0770 | 0771 | 0772 | 0773 | 0774 | 0775 | 0776 | 0777 | 0778 | 0779 | |
| ANIMAL ID | 0001 | 0002 | 0003 | 0004 | 0005 | 0006 | 0007 | 0008 | 0009 | 0010 | 0011 | 0012 | 0013 | 0014 | 0015 | 0016 | 0017 | 0018 | 0019 | 0020 | 0021 | 0022 | 0023 | 0024 | 0025 | 0026 | 0027 | 0028 | 0029 | 0030 | 0031 | 0032 | 0033 | 0034 | 0035 | |
| Hematopoietic Cell Proliferation | 3 | | 3 | | | 3 | 3 | | 2 | 4 | | | 3 | | 3 | 3 | 3 | 3 | | | | | | | | | | | | | | | | | | 1 |
| Hyperplasia, Lymphoid | | | | | | 2 | | | | | | 2 | | | | | | | | | | 1 | 3 | | | | | | | | | | | | 3 | |
| Pigmentation | | 1 | | 1 | 1 | 1 | 1 | 1 | 1 | | 1 | 1 | | | | | | | | | 1 | 1 | | | | | | | | | | | | 1 | 1 | |
| Thymus Atrophy | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| | | 2 | 3 | 2 | 2 | 2 | 3 | 3 | 2 | 2 | 2 | 2 | | | 4 | 3 | 4 | 3 | 2 | | | 2 | 3 | | | | | | | | | | | 3 | 4 | |

INTEGUMENTARY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--|---|
| Mammary Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | |
| Skin | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | |
| Hemorrhage | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Ulcer | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Dermis, Fibrosis | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 |
| Epidermis, Hyperplasia | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 |
| Sebaceous Gland, Hyperplasia | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

MUSCULOSKELETAL SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|----------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--|---|
| Bone | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | |
| Fibro-Osseous Lesion | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 3 |
| Skeletal Muscle | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

NERVOUS SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--|---|
| Brain | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | |
| Necrosis | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| 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
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TDMS No. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 N,N-Dimethyl-p-toluidine
 CAS Number: 99-97-8

Date Report Requested: 03/10/2011
 Time Report Requested: 11:42:39
 First Dose M/F: 10/26/04 / 10/25/04
 Lab: BAT

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---------------------------|-----------------|-------------|------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| B6C3F1 MICE FEMALE | 20 MG/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 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 2 | 7 | 7 | 5 | 7 | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| | | | 6 | 2 | 0 | 3 | 3 | 2 | 2 | 3 | 3 | 3 | 3 | 2 | 2 | 5 | 3 | 2 | 8 | 3 | 2 | 2 | 2 | 3 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 3 | 1 |
| | | 0 | 9 | 9 | 0 | 1 | 9 | 9 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9 | 7 | 9 | 0 | 9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | ANIMAL ID | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| | | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 |
| | | | females
(cont...) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

Spinal Cord

+

RESPIRATORY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--|
| Lung | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Hemorrhage | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Alveolar Epithelium, Hyperplasia | | 1 | | | | 1 | | | | | | 2 | | | | | 2 | | 1 | | 3 | | | | | | | | | | | | | |
| Nose | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Inflammation | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | |
| Glands, Olfactory Epithelium, Dilatation | | | | | 1 | 1 | 1 | 1 | | | 1 | 1 | 1 | | 1 | 1 | | | | 1 | | | | | | | | | | | | | | |
| Glands, Olfactory Epithelium, Hyperplasia | | | | | 1 | | 1 | 1 | 1 | | | 1 | 1 | | 1 | 1 | | | | | | | | | | | | | | | | | | |
| Glands, Olfactory Epithelium, Metaplasia, Respiratory | | | | | 1 | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Glands, Respiratory Epithelium, Dilatation | | | | | | | | | | 1 | | | | | | 1 | | | | | | 1 | | | 1 | | | 1 | | 1 | | 1 | | |
| Glands, Respiratory Epithelium, Hyperplasia | | | | | | | | | | 1 | | | | | | | | | | | | 1 | | | 1 | | | 3 | | 1 | | | | |
| Glands, Respiratory Epithelium, Metaplasia, Respiratory | | | | | | | | | | | | | | 1 | | | | | | | | 1 | | | 1 | | | 1 | | 1 | | 1 | | |
| Olfactory Epithelium, Accumulation, Hyaline Droplet | | | | | | | 1 | | 1 | | | | | | | 1 | | | | | | | | 1 | | | | | | | | | | |
| Olfactory Epithelium, Metaplasia, Respiratory | | | | | | 1 | 1 | 1 | | | 1 | 1 | | | | | 1 | | | | | | | | | | | | | | | | | |
| Olfactory Epithelium, Necrosis | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Respiratory Epithelium, Accumulation, Hyaline Droplet | | | | | 1 | 1 | | 1 | 2 | 1 | 1 | | 1 | | | 2 | | 1 | 1 | | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | | |
| Respiratory Epithelium, Hyperplasia | 1 | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | 1 | | | | | 1 | |
| Trachea | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |

SPECIAL SENSES SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Eye | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
|-----|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|

* .. 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. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 03/10/2011

Time Report Requested: 11:42:39

First Dose M/F: 10/26/04 / 10/25/04

Lab: BAT

| B6C3F1 MICE FEMALE | 20 MG/KG | DAY ON TEST | | | | | | | | | | | | | | | | | | | | | females
(cont...) | | | | | |
|--------------------|----------|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----------------------|---|---|---|---|--|
| | | 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 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 2 | 7 | 7 | 5 | 7 | 7 | 6 | 7 | 7 | 7 | 7 | 7 | |
| | | 6 | 2 | 0 | 3 | 3 | 2 | 2 | 3 | 3 | 3 | 2 | 2 | 5 | 3 | 2 | 8 | 3 | 2 | 2 | 2 | 2 | 3 | 2 | 2 | 2 | 3 | |
| | | 0 | 9 | 9 | 0 | 1 | 9 | 9 | 1 | 0 | 0 | 9 | 9 | 3 | 1 | 9 | 5 | 0 | 9 | 7 | 9 | 7 | 9 | 0 | 9 | 9 | 1 | |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | |
| | | 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 | 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 | | |

Fibrosis
 Cornea, Inflammation
 Lens, Cataract
 Optic Nerve, Atrophy

2

Harderian Gland

+ +

URINARY SYSTEM

Kidney
 Accumulation, Hyaline Droplet
 Infarct
 Inflammation
 Nephropathy
 Renal Tubule, Necrosis

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

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

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TDMS No. 20107 - 04
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 First Dose M/F: 10/26/04 / 10/25/04
 Lab: BAT

| B6C3F1 MICE FEMALE | 20 MG/KG | DAY ON TEST | | | | | | | | | | | | | | | | | | | | * TOTALS | |
|--------------------|----------|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----------|------|
| | | 0731 | 0731 | 0731 | 0731 | 0731 | 0731 | 0731 | 0731 | 0731 | 0731 | 0731 | 0731 | 0731 | 0731 | 0731 | 0731 | 0731 | 0731 | 0731 | 0731 | | 0731 |
| ANIMAL ID | 00326 | 00327 | 00328 | 00329 | 00330 | 00331 | 00332 | 00333 | 00334 | 00335 | 00336 | 00337 | 00338 | 00339 | 00340 | 00341 | 00342 | 00343 | 00344 | 00345 | 00346 | 00347 | |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 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 | |

ALIMENTARY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--------|
| Esophagus | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Perforation | | | | | | | | | | | | | | X | | | | | | | | | 1 |
| Muscularis, Degeneration | | | | | | | | | | | | | | 1 | | | | | | | | | 1 1.0 |
| Periesophageal Tissue, Hemorrhage | | | | | | | | | | | | | | 4 | | | | | | | | | 1 4.0 |
| Gallbladder | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49 |
| Intestine Large, Cecum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Intestine Large, Colon | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Intestine Large, Rectum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Intestine Small, Duodenum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Intestine Small, Ileum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Intestine Small, Jejunum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Liver | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Basophilic Focus | | | X | | | | X | | | | | | X | | | | | | | | X | | 9 |
| Clear Cell Focus | | | | | | | | | | | | | | | | | X | | | | | | 2 |
| Eosinophilic Focus | X | X | X | X | X | X | X | X | X | X | X | X | X | | X | X | X | X | X | X | X | X | 45 |
| Hematopoietic Cell Proliferation | | | | | | | | | | | | | | | | | | | | | | | 2 1.0 |
| Inflammation, Chronic Active | | | 1 | | | 2 | | | | 1 | 1 | 1 | | | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 33 1.1 |
| Mixed Cell Focus | | | | | | | | X | X | | X | | | | | | | | | X | | | 7 |
| Necrosis | | | | | | | | 4 | | | | | | | | | | | | | | | 4 2.0 |
| Pigmentation | | | | | | | | | | | | | | | | | | | | | | | 1 1.0 |
| Bile Duct, Cyst | | | | | | | | | | | | | | | 3 | | | | | | | | 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

| B6C3F1 MICE FEMALE | | DAY ON TEST | | | | | | | | | | | | | | | | | | | | * TOTALS | | | | | | |
|---------------------------|---|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------|
| | | 0
7
3
1 | 0
7
3
0 | 0
7
3
1 | 0
7
3
0 | 0
5
3
1 | 0
7
3
0 | 0
6
4
9 | 0
7
2
9 | 0
7
3
1 | 0
7
1
5 | 0
7
2
9 | 0
7
2
9 | 0
7
2
9 | 0
0
3
1 | 0
7
3
0 | 0
6
6
9 | 0
7
3
1 | 0
7
3
0 | 0
7
3
0 | 0
7
3
0 | | | | | | | |
| 20 MG/KG | | ANIMAL ID | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | 0
0
2
6 | 0
0
2
7 | 0
0
2
8 | 0
0
2
9 | 0
0
3
0 | 0
0
3
1 | 0
0
3
2 | 0
0
3
3 | 0
0
3
4 | 0
0
3
5 | 0
0
3
6 | 0
0
3
7 | 0
0
3
8 | 0
0
3
9 | 0
0
4
0 | 0
0
4
1 | 0
0
4
2 | 0
0
4
3 | 0
0
4
4 | 0
0
4
5 | 0
0
4
6 | 0
0
4
7 | 0
0
4
8 | 0
0
4
9 | 0
0
5
0 | 0
0
5
1 | |
| Hepatocyte, Hypertrophy | | | | | | | | | | | | | | | | 1 | 2 | | | 2 | 1 | 2 | | | | | 10 | 1.6 |
| Mesentery | + | | | | | | | | | | | | | | | | + | | | | | | | | | | 9 | |
| Fat, Necrosis | 2 | | | | | | | | 3 | | | | | | | 4 | | | | 2 | | 4 | | | | | 9 | 2.8 |
| Pancreas | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | | |
| Atrophy | | | | | | | | | | | | | | | | | | | | | 2 | | | | | 2 | 2.0 | |
| Duct, Cyst | | | | | | | | | | | | | | | | | | | | 4 | | | | | | 2 | 3.5 | |
| Salivary Glands | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | | | |
| Stomach, Forestomach | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | | | |
| Inflammation | | | | | 2 | 3 | 3 | | | | | | | | | | | | | | | | | | 7 | 2.3 | | |
| Ulcer | | | | | 1 | 1 | | | | | | | | | | | | | | | | | | | 4 | 1.3 | | |
| Epithelium, Hyperplasia | | | | | | 2 | 3 | | | | | 3 | | | 1 | 2 | | | | | | | 4 | | 12 | 2.2 | | |
| Stomach, Glandular | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | | | |
| Tooth | | | | | | | | | | | | | | | | | | | | | | | + | | 7 | | | |
| Dysplasia | | | | | | | | | | | | | | | | | | | | | | | | | | 4 | | |

CARDIOVASCULAR SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------|-----------|------------|
| Blood Vessel | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |
| Heart | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | | |
| Cardiomyopathy | | | | | 2 | | | | | | | | | | | | | | | | | | 1 | | 4 | 1.3 |
| Mineralization | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 3.0 |
| Necrosis | | | | | 2 | | | | | | | | | | | | | | | | | | | | 2 | 2.5 |
| Valve, Thrombosis | | | | | 2 | | | | | | | | | | | | | | | | | | | | 1 | 2.0 |
| Ventricle, Thrombosis | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 3.0 |

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

+ .. Tissue examined microscopically

M .. Missing tissue

1-4 .. Lesion qualified as:

A .. Autolysis precludes evaluation

1) Minimal 3) Moderate

X .. Lesion present

BLANK .. Not examined microscopically

2) Mild 4) Marked

I .. Insufficient tissue

TDMS No. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 N,N-Dimethyl-p-toluidine
 CAS Number: 99-97-8

Date Report Requested: 03/10/2011
 Time Report Requested: 11:42:39
 First Dose M/F: 10/26/04 / 10/25/04
 Lab: BAT

| B6C3F1 MICE FEMALE
20 MG/KG | DAY ON TEST | | | | | | | | | | | | | | | | | | | | | | | | * TOTALS |
|--------------------------------|-------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|----------|
| | 0731 | 0731 | 0731 | 0731 | 0753 | 0776 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | |
| ANIMAL ID | 0026 | 0007 | 0008 | 0009 | 0000 | 0001 | 0002 | 0003 | 0004 | 0005 | 0006 | 0007 | 0008 | 0009 | 0010 | 0011 | 0012 | 0013 | 0014 | 0015 | 0016 | 0017 | 0018 | 0019 | |

ENDOCRINE SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|----|-----|-----|
| Adrenal Cortex
Necrosis | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | 2 | 1.5 | |
| Vacuolization Cytoplasmic | | | | | 2 | | | | 4 | | | | | | | | | | 1 | | | | | | | 1 | 4.0 | |
| Adrenal Medulla
Necrosis | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | 1 | 2.0 | |
| Islets, Pancreatic | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | | | |
| Parathyroid Gland | + | + | M | + | + | + | + | M | + | + | + | + | + | + | + | M | + | M | M | M | M | + | + | + | + | 38 | | |
| Pituitary Gland
Pars Distalis, Hyperplasia | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | 3 | 2.0 | |
| Pars Intermedia, Hyperplasia | | | | | | | | | 3 | | | | | | | | | | | | | 2 | | | | | 1 | 3.0 |
| Thyroid Gland
Inflammation | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | 1 | 1.0 | |
| Follicle, Degeneration | | | | | 1 | | | | | | | | | | | | | | | | | | | | | 1 | 1.0 | |
| Follicular Cell, Hypertrophy | | | | | | | | | 3 | | | | | | | | | | | | | | | | | 1 | 3.0 | |

GENERAL BODY SYSTEM

NONE

GENITAL SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|----------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|
| Clitoral Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Ovary | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 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

| B6C3F1 MICE FEMALE
20 MG/KG | DAY ON TEST | | | | | | | | | | | | | | | | | | | | * TOTALS | | | | | |
|------------------------------------|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----------|-------|-------|-------|-------|--|
| | 0731 | 0730 | 0731 | 0731 | 0731 | 0731 | 0731 | 0731 | 0731 | 0731 | 0731 | 0731 | 0731 | 0731 | 0731 | 0731 | 0731 | 0731 | 0731 | 0731 | | 0731 | 0731 | | | |
| ANIMAL ID | 00026 | 00007 | 00008 | 00009 | 00010 | 00011 | 00012 | 00013 | 00014 | 00015 | 00016 | 00017 | 00018 | 00019 | 00020 | 00021 | 00022 | 00023 | 00024 | 00025 | 00026 | 00027 | 00028 | 00029 | 00030 | |
| Angiectasis | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Atrophy | 4 | 3 | 4 | 4 | | 4 | | | 4 | 4 | 4 | 2 | 4 | 4 | | 4 | 4 | 4 | 3 | 4 | 3 | 3 | 4 | 4 | 3 | |
| Cyst | | | | | | | 4 | | | | | | | 2 | | | | | | | | | | | | |
| Hemorrhage | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Uterus | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |
| Angiectasis | | | | | | 3 | | | | | | | | | | | | | | | | | | | 1 | |
| Dilatation | 3 | | | | | | | | | 3 | | | | | | | | 2 | | 4 | | | | | 6 | |
| Inflammation | | | | | | | | | | | | | | | | | | | | | | | 2 | | 2 | |
| Thrombosis | | | | | | 1 | | | | | | | | | | | | | | | | | | | 1 | |
| Endometrium, Hyperplasia, Cystic | | | | 2 | 1 | | | | 2 | | | | | | | 2 | 2 | | | | 2 | | | | 11 | |
| HEMATOPOIETIC SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Bone Marrow | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |
| Atrophy | | 2 | | | | | | | | | | | | | | | | | | | | | | | 2 | |
| Hyperplasia | 2 | | | | 2 | | 4 | | | 2 | | | | 2 | | | | | 1 | | 4 | 1 | | | 15 | |
| Lymph Node | + | | | | | | | | | + | + | | | | | | | + | | | | | | | 5 | |
| Mediastinal, Hyperplasia, Lymphoid | | | | | | | | | | | 3 | | | | | | | | | | | | | | 1 | |
| Lymph Node, Mandibular | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |
| Atrophy | | | | | 2 | | | | | | | | | | | | | | 3 | | | 2 | | 1 | 5 | |
| Lymph Node, Mesenteric | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49 | |
| Atrophy | | | | | | | | | | | | | | | | 2 | | | | | | | | | 5 | |
| Hyperplasia, Lymphoid | | | | | | | | | | | | | | | | | | | | | | | | | 1 | |
| Infiltration Cellular, Plasma Cell | | | | | | | | | | | | | | | | | | | | | | | | | 1 | |
| Spleen | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49 | |
| Atrophy | | | | | | | | | | | | | | | | | | | | | | | | | 1 | |

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|----------------------------------|-------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|----------|------|------|------|------|-----------|--------|
| | 0731 | 0730 | 0731 | 0731 | 0731 | 0731 | 0731 | 0731 | 0731 | 0731 | 0731 | 0731 | 0731 | 0731 | 0731 | 0731 | 0731 | 0731 | 0731 | 0731 | | 0731 | 0731 | | | | |
| ANIMAL ID | 0026 | 0007 | 0008 | 0009 | 0010 | 0011 | 0012 | 0013 | 0014 | 0015 | 0016 | 0017 | 0018 | 0019 | 0020 | 0021 | 0022 | 0023 | 0024 | 0025 | 0026 | 0027 | 0028 | 0029 | 0030 | | |
| Hematopoietic Cell Proliferation | | | | 2 | 1 | 2 | 2 | 3 | 2 | 1 | 1 | 1 | | | | | 2 | 1 | | | | | | | 3 | 24 2.3 | |
| Hyperplasia, Lymphoid | | | | 2 | 1 | 3 | | | | | | | | | | 2 | | | | | | | | | 2 | 12 2.0 | |
| Pigmentation | | | | 2 | 1 | | 1 | | 1 | 1 | 2 | 1 | 2 | 1 | 1 | | 1 | 1 | 3 | 1 | 1 | | | 1 | 2 | 1 | 33 1.2 |
| Thymus Atrophy | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | M | + | + | 48 39 2.6 | |

INTEGUMENTARY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-------|
| Mammary Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Skin | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Hemorrhage | | | | 4 | | | | | | | | | | | | | | | | | | | | | | 1 4.0 |
| Ulcer | | | | 2 | | | | | | | | | | | | | | | | | | | | | 2 | 2 2.0 |
| Dermis, Fibrosis | | | | | | | | | | | | | | | | | | | | | | | | | | 1 2.0 |
| Epidermis, Hyperplasia | | | | | | | | | | | | | | | | | | | | | | | | | 3 | 2 2.5 |
| Sebaceous Gland, Hyperplasia | | | | 2 | | | | | | | | | | | | | | | | | | | | | | 1 2.0 |

MUSCULOSKELETAL SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|----------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----|-------|
| Bone | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |
| Fibro-Osseous Lesion | | | | | | | | | | | | | | | | | | | | | | | | | | 1 1 | 6 1.5 |
| Skeletal Muscle | | | | | | | | | | | | | | | | | | | | | | | | | | + | 1 |

NERVOUS SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|-------|
| Brain | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |
| Necrosis | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 1.0 |
| 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
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TDMS No. 20107 - 04
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 Species/Strain: MICE/B6C3F1

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 N,N-Dimethyl-p-toluidine
 CAS Number: 99-97-8

Date Report Requested: 03/10/2011
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 Lab: BAT

| | | DAY ON TEST | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---------------------------|-----------------|-------------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|---|---|----|----|----------|--|--|
| | | 07 | 07 | 07 | 07 | 05 | 07 | 06 | 07 | 07 | 07 | 07 | 07 | 07 | 07 | 07 | 07 | 07 | 07 | 07 | 07 | | | 07 | 07 | | | |
| B6C3F1 MICE FEMALE | | 3 | 3 | 3 | 3 | 0 | 3 | 4 | 2 | 3 | 1 | 2 | 2 | 2 | 3 | 1 | 3 | 6 | 3 | 2 | 3 | 3 | 0 | 2 | 3 | | | |
| | | 1 | 0 | 1 | 1 | 1 | 0 | 9 | 9 | 1 | 5 | 9 | 9 | 9 | 1 | 1 | 0 | 9 | 1 | 9 | 1 | 0 | 3 | 9 | 0 | 3 | | |
| | 20 MG/KG | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | |
| | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | |
| ANIMAL ID | | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | * TOTALS | | |

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-------------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|---|
| Spinal Cord | | | | | | | | | | | | | | | | | | | | | | | | | | 1 |
|-------------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|---|

RESPIRATORY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---------|---|---|--|---|---|---|---|---|---|-----|---|---|---|---|-----|---|---|---|---|---------|---|---|---|----|-----|-------|
| Lung | + | | | | | | | | | | | | | | | | | | | | | | | | | 50 | |
| Hemorrhage | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 1.0 |
| Alveolar Epithelium, Hyperplasia | 1 | | | | | | | | | | 1 | | | | | | | | | | | | | | | 8 | 1.5 |
| Nose | + | | | | | | | | | | | | | | | | | | | | | | | | | 50 | |
| Inflammation | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 3 1.0 |
| Glands, Olfactory Epithelium, Dilatation | 1 | | | | | | | | | | 1 1 | | | | | 1 1 | | | | | 1 1 | | | | | 20 | 1.0 |
| Glands, Olfactory Epithelium, Hyperplasia | | | | | | | | | | | | | | | | | | | | | | | | | | 14 | 1.1 |
| Glands, Olfactory Epithelium, Metaplasia, Respiratory | | | | | | | | | | | | | | | | | | | | | | | | | | 7 | 1.0 |
| Glands, Respiratory Epithelium, Dilatation | 1 | | | | | | | | | | 2 | | | | | 2 | | | | | 1 1 1 1 | | | | | 15 | 1.1 |
| Glands, Respiratory Epithelium, Hyperplasia | | | | | | | | | | | | | | | | | | | | | | | | | | 12 | 1.2 |
| Glands, Respiratory Epithelium, Metaplasia, Respiratory | | | | | | | | | | | | | | | | | | | | | | | | | | 10 | 1.0 |
| Olfactory Epithelium, Accumulation, Hyaline Droplet | 1 1 1 1 | | | | | | | | | | | | | | | | | | | | | | | | | 8 | 1.0 |
| Olfactory Epithelium, Metaplasia, Respiratory | 1 1 1 | | | | | | | | | | 2 | | | | | 1 2 | | | | | 1 1 | | | | | 14 | 1.1 |
| Olfactory Epithelium, Necrosis | 1 | | | | | | | | | | | | | | | | | | | | | | | | | 2 | 3 1.3 |
| Respiratory Epithelium, Accumulation, Hyaline Droplet | 3 | 1 | 1 | | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | | 1 | 1 | 1 | 1 | 2 | 1 | 1 | 1 | 39 | 1.2 | |
| Respiratory Epithelium, Hyperplasia | | | | | | | | | | | | | | | | | | | | | | | | | | 11 | 1.0 |
| Trachea | + | | | | | | | | | | | | | | | | | | | | | | | | | 50 | |

SPECIAL SENSES SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----|---|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|----|
| Eye | + | | | | | | | | | | | | | | | | | | | | | | | | | 50 |
|-----|---|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|----|

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 First Dose M/F: 10/26/04 / 10/25/04
 Lab: BAT

| B6C3F1 MICE FEMALE
60 MG/KG | DAY ON TEST | | | | | | | | | | | | | | | | | | | | | | | | ANIMAL ID | females
(cont...) |
|--------------------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|--|-----------|----------------------|
| | 0
7
2
9 | 0
3
8
6 | 0
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3
0 | 0
7
0
1 | 0
7
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7
5
3 | 0
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0 | 0
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9 | 0
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9 | 0
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0 | 0
7
3
0 | 0
7
3
0 | 0
7
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0 | 0
7
3
0 | 0
7
3
0 | | | |
| Necrosis | 2 | | | | | | | | | | | | 2 | | | | | | | | | | | | | |
| Pigmentation | | | | | | | | | | | | | 1 | | | | | | | | | | | | | |
| Bile Duct, Cyst | | | | | | | | | | | | | 3 | | | | | | | | | | | | 4 | |
| Hepatocyte, Hypertrophy | 2 | 1 | | | | 2 | 3 | | | | 2 | 3 | 1 | 2 | | | | 2 | | | | | | | | |
| Kupffer Cell, Hyperplasia | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Oval Cell, Hyperplasia | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Mesentery | | | | | | | | | | | | | + | | | | | | | | | | | | + | |
| Fat, Necrosis | | | | | | | | | | | | | 2 | | | | | | | | | | | | 2 | 2 |
| Pancreas | + | | | | | | | | | | | | | | | | | | | | | | | | | |
| Acinus, Hyperplasia | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Acinus, Necrosis | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Salivary Glands | + | | | | | | | | | | | | | | | | | | | | | | | | | |
| Atrophy | | | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| Fibrosis | | | | | | | | | | | | | 2 | | | | | | | | | | | | | |
| Stomach, Forestomach | + | | | | | | | | | | | | | | | | | | | | | | | | | |
| Erosion | | | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| Inflammation | 3 | | | | 1 | 1 | 2 | 1 | | | | 3 | 2 | 2 | 3 | 1 | 2 | | | | | | | | | |
| Ulcer | 2 | | | | | | | | 1 | | | | 2 | 2 | | | | | 1 | | | | | | | |
| Epithelium, Cyst | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Epithelium, Hyperplasia | 2 | | | | 3 | 2 | 3 | 3 | | | | 2 | 3 | 2 | 3 | 1 | 2 | | | | | | | | | |
| Stomach, Glandular | + | | | | | | | | | | | | | | | | | | | | | | | | | |
| Glands, Dysplasia | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Tongue | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Cyst | | | | | | | | | | | | | | | | | | | | | | | | | | |

* .. 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

| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|----------------------------------|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--|
| B6C3F1 MICE FEMALE | DAY ON TEST | 0729 | 0386 | 0730 | 0771 | 0775 | 0777 | 0777 | 0777 | 0677 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0472 | 0776 | 0777 | 0373 | 0388 | 0373 | | | |
| | ANIMAL ID | 00351 | 00352 | 00353 | 00354 | 00355 | 00356 | 00357 | 00358 | 00359 | 00360 | 00361 | 00362 | 00363 | 00364 | 00365 | 00366 | 00367 | 00368 | 00369 | 00370 | 00371 | 00372 | 00373 | 00374 | 00375 | |
| 60 MG/KG | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Thyroid Gland | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| GENERAL BODY SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| NONE | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| GENITAL SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Clitoral Gland | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Ovary | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Angiectasis | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Atrophy | | 4 | 2 | 4 | 4 | 3 | | 4 | 4 | 4 | 4 | 3 | 4 | 1 | 4 | 4 | 4 | | 4 | 4 | 3 | 4 | 4 | | 4 | | |
| Cyst | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Thrombosis | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Uterus | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Atrophy | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Dilatation | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Endometrium, Hyperplasia, Cystic | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| HEMATOPOIETIC SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Bone Marrow | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Atrophy | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Hyperplasia | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Lymph Node | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Lumbar, Hemorrhage | | | + | | | | | | | | | | | | | + | | | | | | | | + | | | |
| Lymph Node, Mandibular | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |

females (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. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 03/10/2011

Time Report Requested: 11:42:39

First Dose M/F: 10/26/04 / 10/25/04

Lab: BAT

| | | DAY ON TEST | | | | | | | | | | | | | | | | | | | | | | | females
(cont...) | | |
|---|--|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|---|
| | | 0
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0 | 0
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3 | 0
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3 | 0
3
8
7 | | 0
7
3
1 | |
| | | ANIMAL ID | | | | | | | | | | | | | | | | | | | | | | | | | |
| B6C3F1 MICE FEMALE
60 MG/KG | | 0
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3
5
1 | 0
0
3
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3 | 0
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4 | 0
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5 | 0
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6 | 0
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7 | 0
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8 | 0
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9 | 0
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8 | 0
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1 | 0
0
3
7
2 | 0
0
3
7
3 | 0
0
3
7
4 | 0
0
3
7
5 | |
| Atrophy | | | | | | | | | 4 | | | 2 | | | | | | | | | | | | | | | |
| Hyperplasia, Lymphoid | | | | | | | | | | | | | | | | | | | 2 | 2 | | | | | | | |
| Lymph Node, Mesenteric | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Atrophy | | | | | | | | | 3 | | | | | | | | | | | | 2 | 2 | | | | | |
| Inflammation, Granulomatous
Necrosis | | | | | | | | | | | | | | | | | | | | | | | | | | | 4 |
| Spleen | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Atrophy | | | | | | | | | | | 2 | | | | | | | | | | | 3 | | | | | |
| Hematopoietic Cell Proliferation | | 2 | | | 2 | | | 2 | 2 | 1 | 3 | | | | | | | | 2 | 3 | 2 | | | | | | 2 |
| Hyperplasia, Lymphoid | | | | 2 | | | | | | | | | | | 2 | | 2 | | 1 | 2 | | 1 | 2 | | 1 | | |
| Pigmentation | | 1 | 1 | 1 | 1 | 1 | | 1 | 1 | 1 | 1 | | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | |
| Red Pulp, Atrophy | | | | 2 | | | | | | | | | | | | | | | | | 3 | | | | | | |
| Thymus | | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Atrophy | | 2 | 2 | 2 | 4 | 2 | | 4 | 4 | 2 | | 2 | 2 | 2 | 3 | | 1 | 2 | 4 | 3 | 2 | 3 | 2 | | 3 | 4 | |

INTEGUMENTARY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---------------|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Mammary Gland | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Skin | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Inflammation | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Ulcer | | | | | | | | | | | | | | | | | | | | | | | | | | | |

MUSCULOSKELETAL SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|----------------------|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Bone | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Fibro-Osseous Lesion | | | | | | | | 2 | | | | | | 1 | | | 2 | | | | | | | 1 | 3 | 1 | |
| Fracture | | | | | | | | | | | X | | | | | | | | | | | | | | | | |

* .. 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

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First Dose M/F: 10/26/04 / 10/25/04

Lab: BAT

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|-----------------|----------------------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|------------------------------|-----------------------|-----------------------|---|--|--|
| B6C3F1 MICE FEMALE | 60 MG/KG | DAY ON TEST | 0
7
2
9 | 0
3
8
6 | 0
7
3
0 | 0
7
3
1 | 0
7
5
3 | 0
7
3
0 | 0
7
3
0 | 0
7
2
9 | 0
6
3
7 | 0
7
2
0 | 0
7
2
9 | 0
7
2
0 | 0
7
3
1 | 0
7
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0 | 0
4
8
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7
2
9 | 0
7
3
0 | 0
6
0
2 | 0
7
3
0 | 0
7
3
0 | 0
3
8
7 | 0
7
3
1 | females
(cont...) | | | | | |
| | | ANIMAL ID | 0
0
3
5
1 | 0
0
3
5
2 | 0
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5
3 | 0
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4 | 0
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1 | 0
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3
7
2 | 0
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3
7
3 | | 0
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7
4 | 0
0
3
7
5 | | | |
| | | Osteopetrosis | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | Skeletal Muscle | + | | | | | | | | | | | | + | | | | | | | | | | | | | | | |
| | | NERVOUS SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | Brain | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | + | + | + | | |
| | | Olfactory Lobe, Atrophy | | | | | | | | | | | | | | 1 | | | | | | | | 1 | | | | | | |
| | | RESPIRATORY SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | Lung | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | + | + | + | | |
| | | Foreign Body | | | | | X | | | | | | | | | | | | | | | | | | | | | | | |
| | | Inflammation | | | | | 4 | | | | | | | | | | | | | | | | | | | | | | | |
| | | Alveolar Epithelium, Hyperplasia | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | |
| Alveolus, Infiltration Cellular, Histiocyte | | | | | 1 | | | | | 1 | | | | 2 | | | 1 | | | | | | | | | | | | | |
| Bronchiole, Epithelium, Necrosis | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | |
| Bronchiole, Epithelium, Regeneration | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | |
| Bronchus, Necrosis | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | |
| Bronchus, Epithelium, Regeneration | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | |
| Nose | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | | | |
| Inflammation | 1 | | | | | 1 | | | | | | 1 | 1 | 2 | 1 | | 1 | | 1 | 2 | 1 | 1 | | 1 | | | | | | |
| Glands, Lateral Wall, Dilatation | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Glands, Olfactory Epithelium, Dilatation | 3 | 1 | 3 | 2 | 2 | 3 | 2 | 3 | 2 | 3 | 3 | 2 | 3 | 2 | 3 | 2 | 2 | 3 | 2 | 2 | 2 | 3 | 2 | 3 | 2 | | | | | |
| Glands, Olfactory Epithelium, Hyperplasia | 3 | 2 | 2 | 2 | 2 | 1 | 1 | 2 | 2 | 2 | 3 | 3 | 2 | 3 | 3 | 3 | 2 | 2 | 3 | 3 | 2 | 3 | 2 | 2 | 2 | | | | | |
| Glands, Olfactory Epithelium, Metaplasia, Respiratory | 2 | | 2 | 2 | 3 | | 2 | 2 | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 2 | 2 | 3 | 2 | 2 | 3 | 2 | 2 | 2 | | | | | |
| Glands, Respiratory Epithelium, Dilatation | 2 | 1 | 1 | | 1 | | 2 | 2 | | 1 | 2 | 1 | | | 1 | 2 | 1 | 2 | 1 | | 1 | 2 | 1 | | | | | | | |
| Glands, Respiratory Epithelium, Hyperplasia | 2 | | | | | | | | | 1 | 2 | | 1 | | | | | | | 1 | | | | | | | | | | |

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

TDMS No. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

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 Lab: BAT

| B6C3F1 MICE FEMALE
60 MG/KG | DAY ON TEST | | | | | | | | | | | | | | | | | | | | | | | females
(cont...) | | | | | | | | | | | | | |
|---|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|---|--|
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| ANIMAL ID | 0
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| Glands, Respiratory Epithelium, Metaplasia, Respiratory | 2 | | | 2 | | | | | | | | | 1 | | | | | | | 3 | 1 | | | | | | | | | | | | | | | | |
| Nasolacrimal Duct, Hyperplasia, Regenerative Nerve, Atrophy | 3 | | 2 | 2 | 3 | | | | | | 1 | | 3 | 3 | 3 | 4 | 2 | 1 | 3 | 2 | 1 | 3 | 3 | 3 | 1 | 2 | | | | | | | | | | | |
| Olfactory Epithelium, Accumulation, Hyaline Droplet | | 1 | | | | | | | 1 | 1 | 1 | 1 | 1 | | | | | | | | 1 | | | | | | | | | | | | | | | | |
| Olfactory Epithelium, Degeneration | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Olfactory Epithelium, Metaplasia, Respiratory | 3 | 1 | 3 | 3 | 3 | | 3 | 3 | 3 | 2 | 3 | 3 | 3 | 3 | 4 | 3 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 2 | 3 | | | | | | | | | | | |
| Olfactory Epithelium, Necrosis | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Respiratory Epithelium, Accumulation, Hyaline Droplet | 1 | 1 | 1 | | 1 | | 1 | 1 | 1 | 1 | 2 | 1 | 1 | | 2 | 1 | | 1 | 1 | 1 | | 1 | 1 | 1 | 1 | 1 | | | | | | | | | | | |
| Respiratory Epithelium, Hyperplasia | 2 | | | | 2 | | 1 | 1 | 1 | | 1 | 1 | 1 | 1 | 2 | 1 | | 2 | | 1 | 1 | 1 | 1 | 1 | 1 | | | | | | | | | | | | |
| Respiratory Epithelium, Hyperplasia, Regenerative | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Respiratory Epithelium, Necrosis | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | |
| Transitional Epithelium, Hyperplasia, Regenerative | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Transitional Epithelium, Necrosis | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Vomeranosal Organ, Necrosis | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | |
| Trachea | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Inflammation | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Glands, Hyperplasia | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

SPECIAL SENSES SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|----------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Eye | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Cornea, Inflammation | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Harderian Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Hyperplasia | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 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
 1-4 .. Lesion qualified as:
 1) Minimal 3) Moderate
 2) Mild 4) Marked

TDMS No. 20107 - 04

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 03/10/2011

Time Report Requested: 11:42:39

First Dose M/F: 10/26/04 / 10/25/04

Lab: BAT

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|---------------------------|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| B6C3F1 MICE FEMALE | 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 | 3 | 7 | 7 | 7 | 0 | 7 | 7 | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 4 | 7 | 7 | 6 | 7 | 7 |
| | | 2 | 8 | 3 | 0 | 3 | 5 | 3 | 3 | 2 | 2 | 3 | 2 | 2 | 3 | 1 | 3 | 3 | 8 | 2 | 3 | 0 | 3 | 3 | 8 |
| 60 MG/KG | ANIMAL ID | 9 | 6 | 0 | 1 | 0 | 3 | 0 | 0 | 9 | 7 | 0 | 9 | 9 | 0 | 1 | 0 | 0 | 1 | 9 | 0 | 2 | 0 | 0 | |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | | |
| | | 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 | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | |

females (cont...)

URINARY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | |
|------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Kidney | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Inflammation | | | | | | | | | | | | | | | | | | | | | | | 3 |
| Mineralization | | | | | | | | | | | | | | | | | | | | | | | |
| Nephropathy | 2 | | | 2 | | | | 1 | 1 | 1 | 1 | | | | 1 | | | 1 | 1 | | | | 1 |
| Cortex, Cyst | | | | | | | | | | | | | | | | | | | | | | | |
| Papilla, Necrosis | | | | | | | | | | | | | | | | | | | | | | | 3 |
| Renal Tubule, Necrosis | | | | | | | | | | | | | | | | | | | | | | | 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

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---------------------------|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-----------------|
| B6C3F1 MICE FEMALE | DAY ON TEST | 0730 | 0731 | 0739 | 0733 | 0733 | 0770 | 0758 | 0757 | 0759 | 0773 | 0773 | 0779 | 0778 | 0770 | 0764 | 0764 | 0773 | 0773 | 0772 | 0760 | 0773 | 0773 | 0773 | 0773 | 0751 | 0752 | * TOTALS |
| | ANIMAL ID | 00376 | 00377 | 00378 | 00379 | 00380 | 00381 | 00382 | 00383 | 00384 | 00385 | 00386 | 00387 | 00388 | 00389 | 00390 | 00391 | 00392 | 00393 | 00394 | 00395 | 00396 | 00397 | 00398 | 00399 | 00400 | 00401 | |

ALIMENTARY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---------------|
| Esophagus | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Foreign Body | | | | | | | | | | X | | | | | | | | | | | | | | | | | | 1 |
| Perforation | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| Epithelium, Inflammation | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | 1 1.0 |
| Muscularis, Degeneration | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 1.0 |
| Gallbladder | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49 |
| Intestine Large, Cecum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Intestine Large, Colon | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Intestine Large, Rectum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Intestine Small, Duodenum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Intestine Small, Ileum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Intestine Small, Jejunum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Liver | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Basophilic Focus | | | | X | X | X | X | | | | | | | | X | | | | | | X | | | | | | | 11 |
| Clear Cell Focus | | | | X | X | | | | | | | | | | | | | | | | | | | | | | | 3 |
| Eosinophilic Focus | X | X | X | X | X | X | X | X | | | | X | X | X | | X | X | X | | X | X | X | X | | | | | 38 |
| Fatty Change | | | | | | | | 3 | 3 | 4 | 4 | | | | | | | | | | | | | | | 2 | | 8 2.5 |
| Hematopoietic Cell Proliferation | | | | | | | | | | | | | | | | | | | | | | | | | | | | 3 2.0 |
| Inflammation, Chronic Active | 1 | 1 | 1 | 1 | 1 | | 1 | | | | | 1 | 1 | 1 | 1 | | | | | 1 | 1 | 1 | | 1 | 1 | 2 | | 35 1.0 |
| Mineralization | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 1.0 |
| Mixed Cell Focus | | | | | | | | | | X | X | | | | | | | | | | | | | | | X | | 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
1-4 .. Lesion qualified as:
1) Minimal 3) Moderate
2) Mild 4) Marked

| B6C3F1 MICE FEMALE
60 MG/KG | DAY ON TEST | | | | | | | | | | | | | | | | | | | | | | | | * TOTALS |
|--------------------------------|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----|----------|
| | 0730 | 0731 | 0732 | 0733 | 0734 | 0735 | 0736 | 0737 | 0738 | 0739 | 0740 | 0741 | 0742 | 0743 | 0744 | 0745 | 0746 | 0747 | 0748 | 0749 | 0750 | 0751 | 0752 | | |
| ANIMAL ID | 00376 | 00377 | 00378 | 00379 | 00380 | 00381 | 00382 | 00383 | 00384 | 00385 | 00386 | 00387 | 00388 | 00389 | 00390 | 00391 | 00392 | 00393 | 00394 | 00395 | 00396 | 00397 | 00398 | | |
| Necrosis | | | | | | 4 | 1 | 1 | | 2 | | | | | 1 | | 1 | | | 2 | | | 2 | 10 | 1.8 |
| Pigmentation | | | | | | | | | | | | 1 | | | 1 | | | | | | 1 | | | 4 | 1.0 |
| Bile Duct, Cyst | | | 2 | | | | | | | | | | | | | | | | | | | | | 3 | 3.0 |
| Hepatocyte, Hypertrophy | 1 | | | | | 3 | | | | | | 2 | 2 | 1 | 1 | | | | | | 2 | | 2 | 17 | 1.9 |
| Kupffer Cell, Hyperplasia | | | | | | | | | | | | | | | | 2 | | | | | | | | 1 | 2.0 |
| Oval Cell, Hyperplasia | | | | | | | 1 | | | | | | | | 2 | | | | | | | | | 2 | 1.5 |
| Mesentery | | | | | | | | | | | | + | | | | | + | | | | | + | | 6 | |
| Fat, Necrosis | | | | | | | | | | | | 2 | | | | | 2 | | | | | 2 | | 6 | 2.0 |
| Pancreas | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |
| Acinus, Hyperplasia | | | | | | | | | | | | 1 | | | | | | | | | | | | 1 | 1.0 |
| Acinus, Necrosis | | | | | | | | | | | | 2 | | | | | | | | | | | | 1 | 2.0 |
| Salivary Glands | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | 48 | |
| Atrophy | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1.0 |
| Fibrosis | | | | | | | | | | | | | | | | | | | | | | | | 1 | 2.0 |
| Stomach, Forestomach | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |
| Erosion | | | | | | | | | | | | | | | | | | | | | | 2 | | 2 | 1.5 |
| Inflammation | | | | | | | | | | | | | 3 | | 3 | 2 | | | | | 3 | | 4 | 16 | 2.3 |
| Ulcer | | | | | | | | | | | | | 1 | | | | | | | | 2 | | | 7 | 1.6 |
| Epithelium, Cyst | | | | | | | | | | | | 2 | | | | | | | | | | | | 1 | 2.0 |
| Epithelium, Hyperplasia | | | | | | | | | | | | | 3 | | 3 | 4 | 1 | | | | 4 | | 4 | 17 | 2.6 |
| Stomach, Glandular | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |
| Glands, Dysplasia | | | | | | | | | | | | | 1 | | | | | | | | | | | 1 | 1.0 |
| Tongue | | | | | | | | | | | | | | | | | | | | | | | | 1 | |
| Cyst | | | | | | | | | | | | | 3 | | | | | | | | | | | 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

TDMS No. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 N,N-Dimethyl-p-toluidine
 CAS Number: 99-97-8

Date Report Requested: 03/10/2011
 Time Report Requested: 11:42:39
 First Dose M/F: 10/26/04 / 10/25/04
 Lab: BAT

| B6C3F1 MICE FEMALE
60 MG/KG | DAY ON TEST | | | | | | | | | | | | | | | | | | | | | | | | * TOTALS |
|--------------------------------|-------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|----------|
| | 0700 | 0703 | 0706 | 0709 | 0713 | 0717 | 0721 | 0725 | 0729 | 0733 | 0737 | 0741 | 0745 | 0749 | 0753 | 0757 | 0801 | 0805 | 0809 | 0813 | 0817 | 0821 | 0825 | 0829 | |
| ANIMAL ID | 0076 | 0077 | 0078 | 0079 | 0080 | 0081 | 0082 | 0083 | 0084 | 0085 | 0086 | 0087 | 0088 | 0089 | 0090 | 0091 | 0092 | 0093 | 0094 | 0095 | 0096 | 0097 | 0098 | 0099 | |

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|---|---|
| Tooth Dysplasia | | | | | | | | | | | | | | | | | | | | | | | | | 4 | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | 4 |

CARDIOVASCULAR SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|---|-----|---|---|-----|---|-----|
| Blood Vessel Inflammation | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | 3 | 1.7 | | | | | |
| Heart Cardiomyopathy Inflammation | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | 2 | 1.0 | | | | | |
| Heart Inflammation | | | | | | | | | | | | | | | | | | | | | | | | | | 3 | 3.0 | | | | | |
| Heart Mineralization | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | 4 | 3 | 2 | 3 | 5 | 2.8 |
| Heart Epicardium, Fibrosis | | | | | | | | | | | | | | | | | | | | | | | | | | | | 3 | 1 | 2.0 | | |

ENDOCRINE SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|---|-----|---|---|-----|
| Adrenal Cortex | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | | | | | |
| Adrenal Medulla | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | | | | | |
| Islets, Pancreatic Hyperplasia | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | 2 | 1.0 | | | |
| Parathyroid Gland | M | + | + | M | + | M | M | + | M | + | M | + | M | + | + | + | + | + | + | + | + | + | + | M | 34 | | | | | |
| Pituitary Gland | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49 | | | | | |
| Pituitary Gland Pars Distalis, Angiectasis | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1.0 | | | |
| Pituitary Gland Pars Distalis, Hyperplasia | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | 2 | 3 | 1.7 |
| Pituitary Gland Pars Intermedia, Hyperplasia | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | 2 | 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

| B6C3F1 MICE FEMALE | DAY ON TEST | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | |
|----------------------------------|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------|-----------------|--|
| | | 7 | 7 | 7 | 6 | 7 | 7 | 5 | 5 | 5 | 5 | 7 | 7 | 7 | 7 | 6 | 0 | 7 | 7 | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 5 | | |
| 60 MG/KG | ANIMAL ID | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | |
| | | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 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 | 9 | 9 | | |
| | | 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 | |
| Thyroid Gland | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | | |
| GENERAL BODY SYSTEM | NONE | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| GENITAL SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Clitoral Gland | | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49 | | |
| Ovary | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | | |
| Angiectasis | | | | | | | | | | | | | | | | | | | | | | 3 | | | | | | 1 3.0 | |
| Atrophy | | 4 | 3 | 4 | 4 | 3 | 3 | 4 | 4 | 4 | 4 | 1 | 4 | 4 | 3 | 4 | | 4 | 4 | 4 | 4 | 4 | 4 | 4 | | 4 | 4 | 45 3.7 | |
| Cyst | | | | | | | | | | | | | | | | | | | | | | | | 4 | | | | 2 4.0 | |
| Thrombosis | | | | | | | | | | | | | | | | | | 2 | 4 | 4 | | | | | | | | 3 3.3 | |
| Uterus | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | | |
| Atrophy | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 3.0 | |
| Dilatation | | | | | | | 3 | | | | | 2 | | | | | | | | | | | 3 | | 4 | | | 10 2.6 | |
| Endometrium, Hyperplasia, Cystic | | 1 | | 2 | | | | 1 | 2 | | | | | | 2 | | | | | | | | | | | | | 9 1.7 | |
| HEMATOPOIETIC SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Bone Marrow | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49 | | |
| Atrophy | | | | | | | | | 1 | | 1 | | | | | | | | | | | | | | | 2 | | 3 1.3 | |
| Hyperplasia | | | 3 | | | | | | | | | 3 | | | 1 | 3 | 3 | | | | | | | | | | | 14 2.1 | |
| Lymph Node | | | | | | | | | | | | | | | | | | | | | | | | | | | 4 | | |
| Lumbar, Hemorrhage | | | | | | | | | | | | | | | | | | | | | | | | 3 | | | | 1 3.0 | |
| Lymph Node, Mandibular | | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | 48 | | |

* .. 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

| B6C3F1 MICE FEMALE
60 MG/KG | DAY ON TEST | | | | | | | | | | | | | | | | | | | | | | | | | * TOTALS | | | | |
|----------------------------------|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----------|---|----|-----|-----|
| | 0730 | 0731 | 0739 | 0739 | 0730 | 0730 | 0730 | 0730 | 0730 | 0730 | 0730 | 0730 | 0730 | 0730 | 0730 | 0730 | 0730 | 0730 | 0730 | 0730 | 0730 | 0730 | 0730 | 0730 | 0730 | | | | | |
| ANIMAL ID | 00376 | 00377 | 00378 | 00379 | 00380 | 00381 | 00382 | 00383 | 00384 | 00385 | 00386 | 00387 | 00388 | 00389 | 00390 | 00391 | 00392 | 00393 | 00394 | 00395 | 00396 | 00397 | 00398 | 00399 | 00400 | | | | | |
| Atrophy | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | 2 | 2 | 5 | 2.4 |
| Hyperplasia, Lymphoid | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | 3 | 2.0 |
| Lymph Node, Mesenteric | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |
| Atrophy | 2 | | | | 3 | 4 | 3 | 4 | 3 | 3 | | | | | | | | | | | | | | | | | | | 12 | 2.9 |
| Inflammation, Granulomatous | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 4.0 |
| Necrosis | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | 1 | 1.0 |
| Spleen | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | | |
| Atrophy | | | | | | | | | 2 | 3 | 3 | | | | | | | | | | | | | | | | | | 6 | 2.5 |
| Hematopoietic Cell Proliferation | | | | | 1 | 3 | | 1 | | | | 3 | 3 | 2 | 2 | | 3 | | | | | | | | | | | | 21 | 2.1 |
| Hyperplasia, Lymphoid | 1 | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | 15 | 1.8 |
| Pigmentation | 1 | 1 | 1 | 1 | 1 | 1 | | 1 | 3 | 3 | 1 | 1 | 1 | 1 | 1 | | 1 | 1 | 1 | | | | | | | | | 43 | 1.1 | |
| Red Pulp, Atrophy | | | | | | | | | | 4 | 4 | | | | | | | | | | | | | | | | | | 5 | 3.2 |
| Thymus | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 | | |
| Atrophy | 3 | 2 | 2 | 3 | 2 | 3 | 4 | 4 | 4 | | 2 | 4 | 2 | 2 | 3 | | 3 | 2 | 2 | | | | | | | | | | 43 | 2.7 |
| INTEGUMENTARY SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Mammary Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | | |
| Skin | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | | |
| Inflammation | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 3.0 |
| Ulcer | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 3.0 |
| MUSCULOSKELETAL SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Bone | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | | |
| Fibro-Osseous Lesion | 1 | | 2 | | 1 | 1 | | | | | | | | | | | | | | | | | | | | | | | 11 | 1.5 |
| Fracture | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 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

TDMS No. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 03/10/2011
 Time Report Requested: 11:42:39
 First Dose M/F: 10/26/04 / 10/25/04
 Lab: BAT

| B6C3F1 MICE FEMALE | | DAY ON TEST | | | | | | | | | | | | | | | | | | | | | | | | | * TOTALS | |
|---|--|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|----------|-----------------------|
| | | 0
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0 | 0
7
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1 | 0
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1 | 0
6
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9 | 0
7
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0 | 0
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3
0 | 0
5
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0 | 0
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8
8 | 0
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9 | 0
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3 | 0
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0 | 0
7
3
0 | 0
7
2
9 | 0
6
4
5 | 0
0
4
3 | 0
7
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1 | 0
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1 | 0
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7 | 0
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7
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1 | 0
5
1
2 | | |
| 60 MG/KG | | ANIMAL ID | | | | | | | | | | | | | | | | | | | | | | | | | * TOTALS | |
| | | 0
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9 | | 0
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3
9
9 |
| Osteopetrosis | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 1.0 | | |
| Skeletal Muscle | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | | |
| NERVOUS SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Brain | | | | | | | | | | | | | | | | | | | | | | | | | 49 | | | |
| Olfactory Lobe, Atrophy | | 2 | | | | | | | 1 | 3 | 3 | | | | 1 | | | | | | | | | | | | | 8 1.6 |
| RESPIRATORY SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Lung | | | | | | | | | | | | | | | | | | | | | | | | | 50 | | | |
| Foreign Body | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | | |
| Inflammation | | | | | | | | | | | | | | | | | | | | | | | | | | 4 | | |
| Alveolar Epithelium, Hyperplasia | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| Alveolus, Infiltration Cellular, Histiocyte | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | | |
| Bronchiole, Epithelium, Necrosis | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| Bronchiole, Epithelium, Regeneration | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| Bronchus, Necrosis | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| Bronchus, Epithelium, Regeneration | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | | |
| Nose | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Inflammation | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| Glands, Lateral Wall, Dilatation | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | | |
| Glands, Olfactory Epithelium, Dilatation | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | | |
| Glands, Olfactory Epithelium, Hyperplasia | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | | |
| Glands, Olfactory Epithelium, Metaplasia, Respiratory | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | | |
| Glands, Respiratory Epithelium, Dilatation | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| Glands, Respiratory Epithelium, Hyperplasia | | | | | | | | | | | | | | | | | | | | | | | | | | 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

| B6C3F1 MICE FEMALE
60 MG/KG | DAY ON TEST | | | | | | | | | | | | | | | | | | | | | | | | | * TOTALS |
|---|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--------|----------|
| | 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 | 6 | 7 | 7 | 5 | 5 | 5 | 5 | 7 | 7 | 7 | 7 | 6 | 0 | 7 | 7 | 7 | 6 | 7 | 7 | 7 | 7 | 5 | |
| 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 | | |
| | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 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 | | |
| | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | | |
| Glands, Respiratory Epithelium, Metaplasia, Respiratory | | | | | | | | | | | | | | | | | | | | 1 | 1 | 1 | 1 | 1 | 10 1.4 | |
| Nasolacrimal Duct, Hyperplasia, Regenerative Nerve, Atrophy | | | | | | | 1 | 3 | 3 | 3 | | | | | | | | | | | | | | | 4 2.5 | |
| Olfactory Epithelium, Accumulation, Hyaline Droplet | 2 | 2 | 3 | | 2 | 2 | 2 | 3 | 3 | 3 | 1 | 2 | 2 | 4 | 2 | | 1 | 2 | | 2 | 2 | 2 | 2 | 2 | 41 2.3 | |
| Olfactory Epithelium, Degeneration | | | 3 | | 1 | | | | | | 1 | 1 | 1 | | 1 | | | | | | | | | | 15 1.1 | |
| Olfactory Epithelium, Metaplasia, Respiratory | 3 | 3 | 3 | 3 | 3 | 3 | 3 | | | | 3 | 3 | 3 | 4 | 3 | 1 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 2 | 46 2.9 | |
| Olfactory Epithelium, Necrosis | | | | | | | 3 | 3 | 2 | 4 | | | | | | 1 | | | | | | | | | 6 2.3 | |
| Respiratory Epithelium, Accumulation, Hyaline Droplet | 2 | 1 | 1 | 1 | 1 | 1 | | | | | 1 | 1 | 2 | | 1 | | 1 | | | 2 | 1 | | 1 | 1 | 36 1.1 | |
| Respiratory Epithelium, Hyperplasia | | 1 | 2 | 1 | | | | | | | 1 | 1 | 1 | 2 | 1 | | 1 | | 1 | 1 | | 1 | 2 | | 30 1.2 | |
| Respiratory Epithelium, Hyperplasia, Regenerative | | | | | | | | 2 | 1 | 1 | | | | | | | | | | | | | | | 3 1.3 | |
| Respiratory Epithelium, Necrosis | | | | | | | 2 | 2 | 2 | 3 | | | | | | | | | | | | | | | 5 2.0 | |
| Transitional Epithelium, Hyperplasia, Regenerative | | | | | | | | 2 | | | | | | | | | | | | | | | | | 1 2.0 | |
| Transitional Epithelium, Necrosis | | | | | | | 2 | 2 | | | | | | | | | | | | | | | | | 2 2.0 | |
| Vomeronasal Organ, Necrosis | | | | | | | | 2 | 1 | 2 | | | | | | | | | | | | | | | 4 1.5 | |
| Trachea Inflammation | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |
| Glands, Hyperplasia | | | | | | | | | | | | | | 2 | | | | | | | | | | | 1 2.0 | |
| | | | | | | | | | | | | | | | | | | | | | | | | | 1 2.0 | |

SPECIAL SENSES SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|----------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-------|
| Eye | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49 |
| Cornea, Inflammation | | | | | | | 2 | 2 | 1 | | | | | | | | | | | | | | | | 3 1.7 |
| Harderian Gland | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49 |
| Hyperplasia | | | 1 | | | | | | | | | | | | | | | | | | | | | | 2 2.5 |

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

| B6C3F1 MICE FEMALE
60 MG/KG | DAY ON TEST | | | | | | | | | | | | | | | | | | | | | | | | | * TOTALS |
|--------------------------------|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----------|
| | 0730 | 0731 | 0732 | 0739 | 0733 | 0733 | 0737 | 0737 | 0738 | 0739 | 0739 | 0730 | 0730 | 0730 | 0730 | 0730 | 0730 | 0736 | 0730 | 0737 | 0737 | 0737 | 0737 | 0737 | 0735 | |
| ANIMAL ID | 00736 | 00737 | 00738 | 00739 | 00730 | 00731 | 00732 | 00733 | 00734 | 00735 | 00736 | 00737 | 00738 | 00739 | 00740 | 00741 | 00742 | 00743 | 00744 | 00745 | 00746 | 00747 | 00748 | 00749 | 00750 | 00751 |

URINARY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---------------|--------------|
| Kidney | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |
| Inflammation | | | | | | | 2 | | | | | | | | | | | | | | | | | | | | 2 2.5 |
| Mineralization | | | | 1 | | | | 1 | 1 | | | | | | | | | | | | | | | | | | 3 1.0 |
| Nephropathy | | | | | | 2 | | | | | | 1 | | | | | | 1 | 1 | 1 | | 1 | | | 2 | 17 1.2 | |
| Cortex, Cyst | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | 1 1.0 |
| Papilla, Necrosis | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 3.0 |
| Renal Tubule, Necrosis | | | | | | | 2 | | | | | | | | | | | | | | | | | | | | 2 1.5 |
| Urinary Bladder | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |

*** END OF REPORT ***

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically M .. Missing tissue
 X .. Lesion present A .. Autolysis precludes evaluation
 I .. Insufficient tissue BLANK .. Not examined microscopically

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 1) Minimal 3) Moderate
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