

TDMS No. 88123 - 07

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

FORMAMIDE

CAS Number: 75-12-7

Pathologist: RYAN, M. - Blackshear, P.

F1_M3

Date Report Reqstd: 05/04/2006

Time Report Reqstd: 11:47:08

First Dose M/F: 10/04/01 / 10/03/01

Lab: BAT

C Number: C88123B

Lock Date: 05/24/2004

Cage Range: ALL

Date Range: ALL

Reasons For Removal: ALL

Removal Date Range: ALL

Treatment Groups: Include ALL

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

ALIMENTARY SYSTEM

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

+ .. Tissue examined microscopically

x .. Lesion present

| .. Insufficient tissue

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GENERAL BODY SYSTEM

NONE

GENITAL SYSTEM

Coagulating Gland

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B6C3F1 MICE MALE 0 MG/KG	ANIMAL ID	males (cont...)																								
		DAY ON TEST																								
		7	7	7	7	7	7	7	7	7	7	7	7	6	7	6	6	7	5	7	7	7	7	7	4	
		3	2	2	2	3	2	3	2	2	2	0	2	2	7	2	8	5	2	2	2	2	3	3	5	
		0	8	9	8	0	9	0	9	8	8	5	8	9	7	9	7	2	9	6	9	9	9	0	5	
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
		0	0	0	0	0	0	0	0	0	0	0	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	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	
Lymph Node		+																								
Bronchial, Hyperplasia, Lymphoid		3																								
Lumbar, Hyperplasia, Lymphoid																										
Mediastinal, Hyperplasia, Lymphoid		3																								
Renal, Hyperplasia, Lymphoid																										
Lymph Node, Mandibular		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Atrophy																										
Hematopoietic Cell Proliferation																										
Hyperplasia, Lymphoid																										
Necrosis, Lymphoid																										
Lymph Node, Mesenteric		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Atrophy																										
Hyperplasia, Lymphoid																										
Necrosis, Lymphoid																										
Spleen		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Atrophy																										
Hematopoietic Cell Proliferation																										
Hyperplasia, Plasma Cell																										
Lymphoid Follicle, Hyperplasia		2																								
Lymphoid Follicle, Necrosis																										
Thymus		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Atrophy			2																							
Cyst			2																							
Hyperplasia, Lymphoid																										
Necrosis			2																							

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

INTEGUMENTARY SYSTEM

Mammary Gland

Skin
Subcutaneous Tissue, Inflammation
Chronic

MUSCULOSKELETAL SYSTEM

Bone
Hyperostosis

Skeletal Muscle Inflammation, Granulomatous

NERVOUS SYSTEM

Brain
Compression
Cyst Epithelial Inclusion
Hydrocephalus
Meninges, Ventricle, Inflammation
Granulomatous

RESPIRATORY SYSTEM

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males
(cont...)

Eye
Cornea, Inflammation, Chronic

Harderian Gland
Hyperplasia, Foca

URINARY SYSTEM

Kidney
Casts Protein
Infarct
Metaplasia, Osseous
Mineralization
Nephropathy
Artery, Inflammation, Chronic
Glomerulus, Inflammation, Chronic
Glomerulus, Necrosis, Fibrinoid
Papilla, Necrosis
Pelvis, Inflammation, Suppurative
Renal Tubule, Accumulation, Hyaline
Droplet
Renal Tubule, Cyst
Renal Tubule, Hyperplasia

Urinary Bladder
Infiltration Cellular, Lymphoid
Inflammation, Suppurative
Artery, Inflammation, Chronic

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	7	7	7	7	7	7	7	7	7	7	7	7	6	7	6	6	7	5	7	7	7	7	7	4	
	3	2	2	2	3	2	3	2	2	2	0	2	2	7	2	8	5	2	5	2	2	2	3	3	5
	0	8	9	8	0	9	0	9	8	8	5	8	9	7	9	7	2	9	6	9	9	9	0	0	5
B6C3F1 MICE MALE																									
ANIMAL ID	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2
	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5

**males
(cont...)**

Artery, Mineralization

Transitional Epithelium, Hyperplasia

2

3

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ALIMENTARY SYSTEM

Esophagus Muscularis, Inflammation, Chronic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	1	2.0
Gallbladder	+	+	+	+	+	+	+	+	A	A	+	+	+	+	A	+	+	+	+	+	+	+	45		
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50		
Intestine Large, Colon Artery, Inflammation, Chronic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	1	2.0
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50		
Intestine Small, Duodenum Artery, Inflammation, Chronic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	1	1.0
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50		
Intestine Small, Jejunum Peyer's Patch, Hyperplasia, Lymphoid	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	2	3.0
Liver Basophilic Focus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	2	
Clear Cell Focus	X	X	X	X	X		X			X	X	X	X	X	X		X	X	X	X	X	X	29		
Eosinophilic Focus				X					X	X	X	X	X	X	X		X	X	X	X	X	X	16		
Fatty Change	2	2	1	2	2	2	2	1	2	2	1	1	1	1	1	1	1	1	2	2	2	2	31	1.6	

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B6C3F1 MICE MALE 0 MG/KG	ANIMAL ID	7	7	4	7	7	7	7	4	6	5	7	7	7	6	7	7	7	7	7	7	7	7	7	7	7	7	
		3	2	5	2	2	3	2	2	3	7	9	3	2	2	3	0	2	3	3	2	3	2	3	2	3	2	3
		0	9	6	9	8	0	9	9	0	4	3	8	9	8	0	0	9	0	0	9	0	9	0	8	0	9	0
Hematopoietic Cell Proliferation																											1 1.0	
Inflammation, Acute																											1 1.0	
Inflammation, Chronic																											16 1.2	
Mineralization																											1 1.0	
Mixed Cell Focus		X	X	X	X																						10	
Necrosis																											5 1.8	
Tension Lipidosis																											4 1.0	
Centrilobular, Degeneration																											1 3.0	
Centrilobular, Necrosis																											1 2.0	
Mesentery																											3	
Inflammation, Chronic																											1 3.0	
Artery, Inflammation, Chronic																											1 2.0	
Fat, Necrosis																											1 2.0	
Oral Mucosa		+							+																		+ 7	
Gingival, Inflammation, Chronic		2							1																		2 7 1.6	
Pancreas		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50		
Acinus, Atrophy																											1 1.0	
Salivary Glands		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50		
Inflammation, Granulomatous																											1 1.0	
Stomach, Forestomach		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50		
Inflammation, Chronic																											1 2.0	
Ulcer																											1 2.0	
Artery, Inflammation, Chronic																											1 2.0	
Epithelium, Hyperplasia, Focal																											1 2.0	

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		3	2	5	2	2	3	2	2	3	7	9	3	2	2	3	0	2	3	3	2	3	2	3	2	3	
		0	9	6	9	8	0	9	9	0	4	3	8	9	8	0	0	9	0	0	9	0	9	0	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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
.....		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
.....		2	2	2	2	3	3	3	3	3	3	3	3	3	3	3	4	4	4	4	4	4	4	4	4	5	
.....		6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	
.....		* TOTALS																									
.....		Stomach, Glandular																									
.....		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
.....		Tooth Dysplasia																									
.....		Malformation																									
.....																										

CARDIOVASCULAR SYSTEM

Blood Vessel	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Aorta, Inflammation, Chronic																										1 3.0
Heart	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Artery, Inflammation, Chronic																										1 1.0
Atrium, Thrombosis																										1 3.0
Epicardium, Hyperplasia																										1 1.0
Epicardium, Infiltration Cellular, Mononuclear Cell																										1 1.0
Myocardium, Infiltration Cellular, Mononuclear Cell																										1 1.0
Myocardium, Necrosis																										3 1.0

ENDOCRINE SYSTEM

Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Hyperplasia																										2 1.5
Hypertrophy	1	1							2	1	1						1	1	1	1	1	1			15 1.3	
Pigmentation																										1 1.0
Vacuolization Cytoplasmic, Focal	1	1				1		2		1	1						1	1	1	1	1	1	1	1	17 1.3	

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		3	2	5	2	2	3	2	2	3	7	9	3	2	2	3	0	2	3	3	2	3	2	3	2	3	2	3
		0	9	6	9	8	0	9	9	0	4	3	8	9	8	0	0	9	0	0	9	0	9	0	8	0	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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
		2	2	2	2	3	3	3	3	3	3	3	3	3	3	3	4	4	4	4	4	4	4	4	4	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	
Subcapsular, Hyperplasia		1	1	1	1	3	1	1	1	1	2	1	1	2	2	1	2	1	2	1	1	1	2	1	3	2	50 1.5	
Subcapsular, Hypertrophy, Focal							1																				1 1.0	
Adrenal Medulla		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Hyperplasia, Focal																											2 1.0	
Islets, Pancreatic		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Hyperplasia		2	1				1		2	1	1	1	2	3	2	2	+	1	1	1	1	1	1	1	1	1	35 1.4	
Parathyroid Gland		+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	M	M	+	+	+	M	+	43		
Pituitary Gland		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50		
Angiectasis																											1 2.0	
Cyst																											5 1.0	
Pars Distalis, Hyperplasia, Focal																											3 1.3	
Thyroid Gland		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50		
Cyst																											2 1.0	
Inflammation, Granulomatous																											1 1.0	
Follicle, Hyperplasia																											1 3.0	
Follicle, Hyperplasia, Focal		1	1				1										1		1		3	1				12 1.3		

GENERAL BODY SYSTEM

NONE

GENITAL SYSTEM

Coagulating Gland

+

1

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

+ .. Tissue examined microscopically

x .. Lesion present

l .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

TDMS No. 88123 - 07

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

FORMAMIDE

CAS Number: 75-12-7

Pathologist: RYAN, M. - Blackshear, P.

Date Report Reqstd: 05/04/2006

Time Report Reqstd: 11:47:08

First Dose M/F: 10/04/01 / 10/03/01

Lab: BAT

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

Epididymis

+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
																											1 3.0
																											1 1.0

Preputial Gland

+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
	2				2	2	2	2		1																19 2.0	
																											1 2.0
																											1 2.0

Prostate

+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
																											1 2.0

Seminal Vesicle

+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
																											1 2.0
																											1 4.0

Testes

+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
																											1 2.0
																											1 3.0
																											1 1.0
																											1 1.0
																											1

HEMATOPOIETIC SYSTEM

Bone Marrow

+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
	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	34 1.0

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Lab: BAT

B6C3F1 MICE MALE 0 MG/KG	ANIMAL ID	7	7	4	7	7	7	7	4	6	5	7	7	7	6	7	7	7	7	7	7	7	7	7	7	7	7	7	7		
		3	2	5	2	2	3	2	2	7	9	3	2	2	3	0	2	3	3	2	3	2	3	2	3	2	3	2	3	2	3
		0	9	6	9	8	0	9	9	0	4	3	8	9	8	0	0	9	0	0	9	0	9	0	9	0	8	0	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	0	0	
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
		2	2	2	2	3	3	3	3	3	3	3	3	3	3	3	3	4	4	4	4	4	4	4	4	4	4	4	5		* TOTALS
		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					
Lymph Node																															
Bronchial, Hyperplasia, Lymphoid																															
Lumbar, Hyperplasia, Lymphoid																															
Mediastinal, Hyperplasia, Lymphoid																															
Renal, Hyperplasia, Lymphoid																															
Lymph Node, Mandibular		+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49		
Atrophy									1		1	2	2	2	2	3		2		1											
Hematopoietic Cell Proliferation																															
Hyperplasia, Lymphoid																															
Necrosis, Lymphoid																															
Lymph Node, Mesenteric		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50			
Atrophy									1		1	2	2	2	2	2		2		2											
Hyperplasia, Lymphoid																															
Necrosis, Lymphoid																															
Spleen		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50			
Atrophy												4																			
Hematopoietic Cell Proliferation													1		1	1		3		3		2									
Hyperplasia, Plasma Cell																															
Lymphoid Follicle, Hyperplasia																															
Lymphoid Follicle, Necrosis																															
Thymus		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	47			
Atrophy									2			1		1	1			3		3		2									
Cyst																															
Hyperplasia, Lymphoid																															
Necrosis																															

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TDMS No. 88123 - 07

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Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

FORMAMIDE

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Date Report Requested: 05/04/2006

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Lab: BAT

Lung	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	1	1.0
Fibrosis																								2	1.0
Alveolar Epithelium, Hyperplasia																								1	1.0
Alveolus, Infiltration Cellular, Histiocyte																								1	2.0
Arteriole, Thrombosis																								1	1.0
Artery, Mineralization																								1	2.0
Bronchus, Hypertrophy																								1	2.0
<hr/>																									
Nose	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	4	2.3
Inflammation, Suppurative																								1	2.0
Polyp, Inflammatory																								1	2.0
Glands, Hyperplasia, Focal																								1	2.0
Glands, Inflammation, Suppurative																								4	1.0
Nasolacrimal Duct, Infiltration Cellular, Polymorphonuclear																								2	1.0
Olfactory Epithelium, Amyloid Deposition																								1	2.0
Olfactory Epithelium, Atrophy, Focal																								8	1.6
Olfactory Epithelium, Metaplasia																								1	3.0
Respiratory Epithelium, Hyperplasia, Focal																								1	1.0
Vomeronasal Organ, Infiltration Cellular, Polymorphonuclear																								2	1.0
<hr/>																									
Pleura																								1	2.0
Hyperplasia																								2	1.0
<hr/>																									
Trachea	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	1	1.0

SPECIAL SENSES SYSTEM

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

Eye	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Cornea, Inflammation, Chronic																											3 1.7
Harderian Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Hyperplasia, Focal																											4 1.8

URINARY SYSTEM

Kidney	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Casts Protein																											1 3.0
Infarct																											1 1.0
Metaplasia, Osseous	1																										1 1.0
Mineralization	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	16 1.0	
Nephropathy	1	1	1	2	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	43 1.3	
Artery, Inflammation, Chronic																											2 2.5
Glomerulus, Inflammation, Chronic																											1 3.0
Glomerulus, Necrosis, Fibrinoid																											1 4.0
Papilla, Necrosis																											1 2.0
Pelvis, Inflammation, Suppurative																											1 3.0
Renal Tubule, Accumulation, Hyaline Droplet																											1 2.0
Renal Tubule, Cyst																											8 1.0
Renal Tubule, Hyperplasia																											1 1.0
Urinary Bladder	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Infiltration Cellular, Lymphoid																											1 3.0
Inflammation, Suppurative																											1 2.0
Artery, Inflammation, Chronic																											1 2.0

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FORMAMIDE

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

Artery, Mineralization
Transitional Epithelium, Hyperplasia

1 2.0
1 3.0

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ALIMENTARY SYSTEM

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Lab: BAT

B6C3F1 MICE MALE 20 MG/KG	ANIMAL ID	males (cont...)																								
		males (cont...)																								
		7	6	6	7	7	7	7	7	5	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	
		3	1	5	2	3	2	3	3	2	3	5	3	3	2	2	2	0	3	2	2	2	2	2	2	
		0	8	5	9	0	8	0	0	8	0	1	0	0	8	9	5	0	9	9	9	9	0	8	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	
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
		5	5	5	5	5	5	5	5	5	6	6	6	6	6	6	6	6	6	7	7	7	7	7	7	
		1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	
Clear Cell Focus		X		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	
Fatty Change		2			2	2		1		1										1	1	1			1	1
Inflammation, Chronic			1	2	1		1	2											1		1	1			1	1
Mineralization																										
Mixed Cell Focus																										
Necrosis																										
Tension Lipidosis																										
Bile Duct, Dilatation																										
Bile Duct, Hyperplasia																										
Serosa, Hyperplasia																										
Mesentery																										
Fat, Necrosis																										
Oral Mucosa																										
Gingival, Inflammation, Chronic																										
Pancreas																										
Acinus, Atrophy																										
Acinus, Cytoplasmic Alteration																										
Duct, Inflammation, Chronic																										
Salivary Glands																										
Stomach, Forestomach																										
Epithelium, Vacuolization Cytoplasmic																										
Stomach, Glandular																										
Hemorrhage, Acute																										

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DAY ON TEST	7	6	6	7	7	7	7	7	7	5	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	
	3	1	5	2	3	2	3	3	2	3	5	3	3	2	2	0	3	2	2	2	2	2	2	3	2	2	2	2
	0	8	5	9	0	8	0	0	8	0	1	0	0	8	9	5	0	9	9	9	9	9	9	9	0	8	9	7
B6C3F1 MICE MALE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
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	
	5	5	5	5	5	5	5	5	5	6	6	6	6	6	6	6	6	6	7	7	7	7	7	7	7	7	males (cont...)	
	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			

Epithelium, Glands, Ectasia
 Epithelium, Hyperplasia, Focal
 Glands, Ectasia

Tooth	+	+	+																								
Dysplasia																											
Malformation	1	2	2																								

CARDIOVASCULAR SYSTEM

Blood Vessel	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Heart	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Artery, Inflammation, Chronic																										
Atrium, Thrombosis																										
Myocardium, Infiltration Cellular, Mononuclear Cell	1	1																								
Myocardium, Necrosis																										
Myocardium, Necrosis, Focal																										

ENDOCRINE SYSTEM

Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Angiectasis																										
Hypertrophy	1		1							1																
Vacuolization Cytoplasmic, Focal	1									1																
Subcapsular, Hyperplasia	1	1	1	2	1	1	1	3	1	2	1	1	1	1	2	2	2	1	2	1	1	1	1	2	1	

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

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I .. Insufficient tissue

M .. Missing tissue

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1) Minimal 3) Moderate

2) Mild 4) Marked

TDMS No. 88123 - 07

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

FORMAMIDE

CAS Number: 75-12-7

Pathologist: RYAN, M. - Blackshear, P.

Date Report Registered: 05/04/2006

Time Report Requested: 11:47:08

First Dose M/F: 10/04/01 / 10/03/01

Lab: BAT

GENERAL BODY SYSTEM

NONE

GENITAL SYSTEM

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

+ .. Tissue examined microscopically

x .. Lesion present

| .. Insufficient tissue

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First Dose M/F: 10/04/01 / 10/03/01

Lab: BAT

		DAY ON TEST																				
		ANIMAL ID																				
B6C3F1 MICE MALE																						males (cont...)
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	0	0	0	0	0	0	0	0	0	0	0	0	
		5	5	5	5	5	5	5	5	6	6	6	6	6	6	6	6	7	7	7	7	
		1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	
Lymph Node, Mesenteric Atrophy		+	M	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	males (cont...)
Hyperplasia, Lymphoid																						
Spleen Atrophy		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Hematopoietic Cell Proliferation																						
Lymphoid Follicle, Hyperplasia																						
Thymus Atrophy		+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	M	+	+	+	+	
Cyst																						
		4	4	2	2	2	2	2	2	3	4	4	4	4	4	3	4	3	2	4	3	
		1								1							1					

INTEGUMENTARY SYSTEM

MUSCULOSKELETAL SYSTEM

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Lab: BAT

	7	6	6	7	7	7	7	7	7	5	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	
	3	1	5	2	3	2	3	3	2	3	5	3	3	2	2	2	0	3	2	2	2	2	2	2	3	2	2	2	2	2
	0	8	5	9	0	8	0	0	8	0	1	0	0	8	9	5	0	9	9	9	9	9	9	9	0	8	9	0	8	9
B6C3F1 MICE MALE																														
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	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	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	5	6	6	6	6	6	6	6	6	6	6	6	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	5

**males
(cont...)****NERVOUS SYSTEM**

Brain	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Hemorrhage, Acute																															
Necrosis																															
Artery, Inflammation, Chronic																															
Meninges, Infiltration Cellular, Lymphocyte																															
Vein, Infiltration Cellular, Mononuclear Cell																															

RESPIRATORY SYSTEM

Lung	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Alveolar Epithelium, Hyperplasia																															
Nose	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Inflammation, Suppurative																															
Inflammation, Chronic																															
Polyp, Inflammatory																															
Glands, Inflammation, Suppurative																															
Nasolacrimal Duct, Infiltration Cellular, Polymorphonuclear																															
Olfactory Epithelium, Atrophy, Focal	1																														
Olfactory Epithelium, Metaplasia, Focal		2																													
Respiratory Epithelium, Atrophy, Focal																															
Respiratory Epithelium, Hyperplasia, Focal																															
Respiratory Epithelium, Metaplasia, Squamous																															
Vomeronasal Organ, Infiltration Cellular, Polymorphonuclear	1	1	1	1	1	1																									

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TDMS No. 88123 - 07

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Species/Strain: MICE/B6C3F1

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FORMAMIDE

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Date Report Reqstd: 05/04/2006

Time Report Reqstd: 11:47:08

First Dose M/F: 10/04/01 / 10/03/01

Lab: BAT

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		3	7	8	3	2	2	2	3	8	3	2	3	2	3	3	2	3	2	3	2	2	3	2	3	2	3	3
		0	8	6	0	9	9	9	0	7	0	9	3	8	0	0	9	0	9	0	8	8	0	9	0	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	0	0	0	0	0	
		0	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	
		7	7	7	7	8	8	8	8	8	8	8	8	8	8	8	9	9	9	9	9	9	9	9	9	9	0	
		6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	* TOTALS	

ALIMENTARY SYSTEM

Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Gallbladder	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	48
Cyst																										1 1.0
Inflammation, Chronic																										1 1.0
Epithelium, Cytoplasmic Alteration																										1 3.0
Epithelium, Hyperplasia																										1 2.0
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Edema																										1 3.0
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Artery, Inflammation, Chronic																										1 2.0
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Inflammation, Granulomatous																										1 2.0
Liver	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Basophilic Focus	X																									4

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TDMS No. 88123 - 07

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

FORMAMIDE

CAS Number: 75-12-7

Pathologist: RYAN, M. - Blackshear, P.

Date Report Reqstd: 05/04/2006

Time Report Reqstd: 11:47:08

First Dose M/F: 10/04/01 / 10/03/01

Lab: BAT

B6C3F1 MICE MALE 20 MG/KG	ANIMAL ID	7	4	5	7	7	7	7	6	7	7	5	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	
		3	7	8	3	2	2	2	3	8	3	2	3	2	3	3	2	3	2	3	2	3	2	3	2	3	2	3	3
		0	8	6	0	9	9	9	0	7	0	9	3	8	0	0	9	0	9	0	8	8	0	9	0	0	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	0	0	0	0	0	0	0	0	
		0	0	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	
		7	7	7	7	8	8	8	8	8	8	8	8	8	8	8	9	9	9	9	9	9	9	9	9	9	9	0	
		6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	* TOTALS		
Clear Cell Focus		X		X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	27			
Eosinophilic Focus		X			X	X	X	X																			21		
Fatty Change		1		1	1	2	2	2		1		1	2	2	2		1	1	1	1	1	1	1	1	1	25 1.4			
Inflammation, Chronic						1	2											1	2	1	2	1					16 1.3		
Mineralization																											1 2.0		
Mixed Cell Focus		X			X				X			X	X														12		
Necrosis		1	1					2			1	1						2	2	1							9 1.8		
Tension Lipidosis																											5 1.0		
Bile Duct, Dilatation																											1 1.0		
Bile Duct, Hyperplasia																											1 2.0		
Serosa, Hyperplasia																											1 4.0		
Mesentery																													
Fat, Necrosis																											1 2.0		
Oral Mucosa																											5		
Gingival, Inflammation, Chronic																											5 1.6		
Pancreas		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50			
Acinus, Atrophy																											3 1.3		
Acinus, Cytoplasmic Alteration																											1 1.0		
Duct, Inflammation, Chronic																											1 1.0		
Salivary Glands		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50			
Stomach, Forestomach		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50			
Epithelium, Vacuolization Cytoplasmic																											1 2.0		
Stomach, Glandular		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50			
Hemorrhage, Acute																											1 2.0		

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TDMS No. 88123 - 07

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Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

FORMAMIDE

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Lab: BAT

B6C3F1 MICE MALE 20 MG/KG	ANIMAL ID	DAY ON TEST																								* TOTALS	
		7	4	5	7	7	7	6	7	7	5	7	7	7	7	7	7	7	7	7	7	7	7	7	7		
		3	7	8	3	2	2	2	3	8	3	2	3	2	3	3	2	3	2	3	2	3	2	3	2	3	
		0	8	6	0	9	9	9	0	7	0	9	3	8	0	0	9	0	9	0	8	8	0	9	0	0	
Epithelium, Glands, Ectasia		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Epithelium, Hyperplasia, Focal		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Glands, Ectasia		0	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
7		7	7	7	7	8	8	8	8	8	8	8	8	8	8	8	9	9	9	9	9	9	9	9	9	9	0
6		7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	0	

CARDIOVASCULAR SYSTEM

Blood Vessel	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Heart	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Artery, Inflammation, Chronic																											1 1.0
Atrium, Thrombosis																											1 4.0
Myocardium, Infiltration Cellular, Mononuclear Cell	1																										10 1.0
Myocardium, Necrosis		1																									1 1.0
Myocardium, Necrosis, Focal			1																								1 1.0

ENDOCRINE SYSTEM

Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50		
Angiectasis																											1 1.0	
Hypertrophy	1			1			1	1								1	1	1	1		1	1				17 1.1		
Vacuolization Cytoplasmic, Focal	1															1	1	1	1	1	1						14 1.1	
Subcapsular, Hyperplasia	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	2	2	1	49 1.2

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		3	7	8	3	2	2	2	3	8	3	2	3	2	3	3	2	3	2	3	2	3	2	3	2	3	2	3	3
		0	8	6	0	9	9	9	0	7	0	9	3	8	0	0	9	0	9	0	8	8	0	9	0	0	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	0	0	0	0	0	0	0	0	
		0	0	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	
		7	7	7	7	8	8	8	8	8	8	8	8	8	8	8	9	9	9	9	9	9	9	9	9	9	9	0	
		6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	* TOTALS		
Adrenal Medulla		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50		
Hyperplasia, Focal																											1 1.0		
Islets, Pancreatic		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50			
Hyperplasia																											24 1.3		
Parathyroid Gland		+	+	M	M	+	+	M	M	+	M	+	M	+	M	+	M	+	M	+	M	+	M	+	M	+	39		
Pituitary Gland		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50			
Cyst																											2 1.0		
Pars Distalis, Hyperplasia, Focal																											1 4 1.5		
Thyroid Gland		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50			
Cyst																											3 1.0		
Inflammation, Chronic																											1 1.0		
Follicle, Hyperplasia, Focal																											15 1.5		
3	1			2												1	2	2											

GENERAL BODY SYSTEM

NONE

GENITAL SYSTEM

Epididymis	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Granuloma Sperm																											1 2.0
Artery, Inflammation, Chronic																											1 2.0
Preputial Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Cyst	2			2													2	2	2							11 2.0	

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Test Type: CHRONIC

Route: GAVAGE

Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

FORMAMIDE

CAS Number: 75-12-7

Pathologist: RYAN, M. - Blackshear, P.

Date Report Reqstd: 05/04/2006

Time Report Reqstd: 11:47:08

First Dose M/F: 10/04/01 / 10/03/01

Lab: BAT

B6C3F1 MICE MALE 20 MG/KG	ANIMAL ID	7	4	5	7	7	7	7	6	7	7	5	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
		3	7	8	3	2	2	2	3	8	3	2	3	2	3	3	2	3	2	3	2	2	3	2	3	3	3
		0	8	6	0	9	9	9	0	7	0	9	3	8	0	0	9	0	9	0	8	8	0	9	0	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	0	0	0	
		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	
		7	7	7	7	8	8	8	8	8	8	8	8	8	8	9	9	9	9	9	9	9	9	9	9	0	
		6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	
		* TOTALS																									
Inflammation, Granulomatous																											
Inflammation, Chronic																											
Duct, Cyst																											
Prostate		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Inflammation, Suppurative																											
Inflammation, Chronic																											
Seminal Vesicle		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Inflammation, Chronic																											
Testes		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Artery, Mineralization																											
Germinal Epithelium, Degeneration																											
Germinal Epithelium, Mineralization																											

HEMATOPOIETIC SYSTEM

Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Hyperplasia	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	39 1.0	
Lymph Node																											2
Pancreatic, Hyperplasia																											1 4.0
Lymph Node, Mandibular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	48	
Atrophy	2	3																									5 2.4
Hyperplasia, Lymphoid																											5 2.2

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Lab: BAT

B6C3F1 MICE MALE 20 MG/KG	ANIMAL ID	DAY ON TEST																								
		7	4	5	7	7	7	6	7	7	5	7	7	7	7	7	7	7	7	7	7	7	7	7	7	
		3	7	8	3	2	2	2	3	8	3	2	3	2	3	3	2	3	2	3	2	2	3	2	3	3
		0	8	6	0	9	9	9	0	7	0	9	3	8	0	0	9	0	9	0	8	8	0	9	0	0
* TOTALS																										
Lymph Node, Mesenteric		+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Atrophy											2															
Hyperplasia, Lymphoid																										
Spleen		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Atrophy																										
Hematopoietic Cell Proliferation		3	3			1			3		1															
Lymphoid Follicle, Hyperplasia																										
Thymus		+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Atrophy		1	3	3	2	3	2	1	1	4	2	2	2	3		1	2	2	2	2	3	1	1			
Cyst		1	1	1		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	3
Skin	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50

MUSCULOSKELETAL SYSTEM

Bone	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Hyperostosis																										2
Cranium, Hyperplasia																										1

Skeletal Muscle																											1
-----------------	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	---

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TDMS No. 88123 - 07

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Species/Strain: MICE/B6C3F1

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First Dose M/F: 10/04/01 / 10/03/01

Lab: BAT

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

NERVOUS SYSTEM

Brain	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Hemorrhage, Acute																										1 3.0
Necrosis																										1 2.0
Artery, Inflammation, Chronic																										1 2.0
Meninges, Infiltration Cellular, Lymphocyte																										1 2.0
Vein, Infiltration Cellular, Mononuclear Cell																										1 2.0

RESPIRATORY SYSTEM

Lung	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Alveolar Epithelium, Hyperplasia																										1 1.0
Nose	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Inflammation, Suppurative																										1 1.0
Inflammation, Chronic																										2 1.0
Polyp, Inflammatory																										1 2.0
Glands, Inflammation, Suppurative																										1 1.0
Nasolacrimal Duct, Infiltration Cellular, Polymorphonuclear																										5 1.4
Olfactory Epithelium, Atrophy, Focal																										5 1.6
Olfactory Epithelium, Metaplasia, Focal																										1 1.0
Respiratory Epithelium, Atrophy, Focal																										2 1.0
Respiratory Epithelium, Hyperplasia, Focal																										1 1.0
Respiratory Epithelium, Metaplasia, Squamous																										1 1.0
Vomeronasal Organ, Infiltration Cellular, Polymorphonuclear																										10 1.0

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	4	7	7	7	3	6	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	6
	7	2	3	3	4	6	3	2	2	0	3	2	2	2	2	2	1	0	2	3	2	2	2	1
	8	8	0	0	3	4	0	2	9	1	0	8	8	9	9	8	4	9	9	0	9	8	9	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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
B6C3F1 MICE MALE	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
40 MG/KG	0	0	0	0	0	0	0	0	0	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

**males
(cont...)**

Mineralization																									1
Ulcer																									2
Epithelium, Glands, Hyperplasia, Focal																									
Glands, Ectasia																									2
																									1
Tooth																									
Dysplasia																									
Malformation																									1

CARDIOVASCULAR SYSTEM

Blood Vessel	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Heart	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Artery, Inflammation, Chronic	3																								3
Myocardium, Infiltration Cellular,																									
Mononuclear Cell																									
Myocardium, Mineralization																									1
Myocardium, Necrosis																									2
Ventricle, Atrophy																									4

ENDOCRINE SYSTEM

Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+
Angiectasis																			1					
Hypertrophy																			2					
Vacuolization Cytoplasmic, Focal																			1					
Subcapsular, Hyperplasia	1	2	1	1	1	1	1	2	1	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1

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INTEGUMENTARY SYSTEM

MUSCULOSKELETAL SYSTEM

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	4	7	7	7	3	6	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	6
	7	2	3	3	4	6	3	2	2	0	3	2	2	2	2	2	1	0	2	3	2	2	2	1
	8	8	0	0	3	4	0	2	9	1	0	8	8	9	9	8	4	9	9	0	9	8	9	8
B6C3F1 MICE MALE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
40 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
	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	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

**males
(cont...)**

NERVOUS SYSTEM

Brain	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Artery, Inflammation, Chronic	2																								
Peripheral Nerve																									
Axon, Degeneration																									
Spinal Cord																									
Hemorrhage																									

RESPIRATORY SYSTEM

Lung	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Inflammation, Chronic																									
Metaplasia, Osseous																									
Alveolar Epithelium, Hyperplasia	3																								
Alveolus, Infiltration Cellular, Histiocyte																									
Nose	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Inflammation, Suppurative																									
Inflammation, Chronic																									
Polyp, Inflammatory																									
Glands, Inflammation, Suppurative																									
Nasolacrimal Duct, Infiltration Cellular,																									
Polymorphonuclear																									
Olfactory Epithelium, Atrophy, Focal																									

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

males
(cont...)

Respiratory Epithelium, Hyperplasia, Focal
 Vomeronasal Organ, Infiltration Cellular,
 Polymorphonuclear

1

Trachea

+ +

SPECIAL SENSES SYSTEM

Eye

Cornea, Inflammation, Chronic

+ +

Harderian Gland

Hyperplasia, Focal

+ +

2

URINARY SYSTEM

Kidney

Fibrosis, Focal

Infarct

Metaplasia, Osseous

Mineralization

Nephropathy

Artery, Inflammation, Chronic

Renal Tubule, Cyst

Renal Tubule, Hyperplasia

Renal Tubule, Mineralization

+ +

1

2

1

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

3

1

2

1

1

1

Urinary Bladder

+ +

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| | | | | | | | | | | | | | | | | | | | | | | | | |
|------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 4 | 7 | 7 | 7 | 3 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 6 |
| | 7 | 2 | 3 | 3 | 4 | 6 | 3 | 2 | 2 | 0 | 3 | 2 | 2 | 2 | 2 | 2 | 1 | 0 | 2 | 3 | 2 | 2 | 2 | 1 |
| | 8 | 8 | 0 | 0 | 3 | 4 | 0 | 2 | 9 | 1 | 0 | 8 | 8 | 9 | 9 | 8 | 4 | 9 | 9 | 0 | 9 | 8 | 9 | 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 |
| B6C3F1 MICE MALE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 40 MG/KG | 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 | 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 |

males
(cont...)Infiltration Cellular, Lymphoid
Artery, Inflammation, Chronic

2

3

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Lab: BAT

| B6C3F1 MICE MALE
40 MG/KG | ANIMAL ID | DAY ON TEST | | | | | | | | | | | | | | | | | | | | | | | | * TOTALS | |
|--|-----------|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----------|-----|
| | | 7 | 6 | 6 | 7 | 7 | 6 | 7 | 7 | 7 | 2 | 7 | 7 | 7 | 7 | 7 | 4 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | | |
| | | 2 | 3 | 9 | 3 | 1 | 3 | 3 | 3 | 2 | 3 | 0 | 2 | 2 | 2 | 2 | 3 | 3 | 4 | 2 | 3 | 2 | 2 | 2 | 2 | | |
| | | 9 | 0 | 6 | 0 | 9 | 3 | 0 | 0 | 9 | 0 | 3 | 9 | 9 | 8 | 8 | 0 | 9 | 9 | 0 | 9 | 9 | 8 | 9 | 8 | 9 | |
| Clear Cell Focus | | X | | | | | X | X | X | X | | X | | X | X | | X | | X | X | | | | | | 21 | |
| Eosinophilic Focus | | X | | | | | | | | | | X | | | | | | X | | X | | | | | | | 14 |
| Fatty Change | | | | | | | | | | | | | | | | | | | | | | | | | | | 15 |
| Inflammation, Chronic | | | | | | | | | | | | | | | | | | | | | | | | | | | 1.3 |
| Mixed Cell Focus | | X | | | | | | | | | | X | | | | | | X | | | | | | | | | 11 |
| Necrosis | | | | | | | | | | | | | | | | | | | | | | | | | | | 1.3 |
| Tension Lipidosis | | | | | | | | | | | | | | | | | | | | | | | | | | | 1.0 |
| Mesentery | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| Artery, Inflammation, Chronic | | | | | | | | | | | | | | | | | | | | | | | | | | | 2.0 |
| Oral Mucosa | | | | | | | | | | | | | | | | | | | | | | | | | | | 5 |
| Gingival, Inflammation, Chronic | | | | | | | | | | | | | | | | | | | | | | | | | | | 1.6 |
| Pancreas | | + | | | | | | | | | | | | | | | | | | | | | | | | | 50 |
| Acinus, Cytoplasmic Alteration | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| Duct, Cyst | | | | | | | | | | | | | | | | | | | | | | | | | | | 3.0 |
| Salivary Glands | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |
| Artery, Parotid Gland, Inflammation, Chronic | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| Artery, Parotid Gland, Mineralization | | | | | | | | | | | | | | | | | | | | | | | | | | | 1.0 |
| Stomach, Forestomach | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |
| Hemorrhage | | | | | | | | | | | | | | | | | | | | | | | | | | | 2.0 |
| Ulcer | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| Epithelium, Hyperplasia, Focal | | | | | | | | | | | | | | | | | | | | | | | | | | | 1.0 |
| Stomach, Glandular | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |
| Inflammation, Chronic | | | | | | | | | | | | | | | | | | | | | | | | | | | 4 |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | 1.0 |

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

+ .. Tissue examined microscopically

x .. Lesion present

l .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

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TDMS No. 88123 - 07

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

FORMAMIDE

CAS Number: 75-12-7

Pathologist: RYAN, M. - Blackshear, P.

Date Report Reqstd: 05/04/2006

Time Report Reqstd: 11:47:08

First Dose M/F: 10/04/01 / 10/03/01

Lab: BAT

| B6C3F1 MICE MALE
40 MG/KG | ANIMAL ID | DAY ON TEST | | | | | | | | | | | | | | | | | | | | | | | | | * TOTALS |
|--|-----------|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----------|
| | | 7 | 6 | 6 | 7 | 7 | 6 | 7 | 7 | 7 | 2 | 7 | 7 | 7 | 7 | 7 | 7 | 4 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | |
| | | 2 | 3 | 9 | 3 | 1 | 3 | 3 | 3 | 2 | 3 | 0 | 2 | 2 | 2 | 2 | 3 | 3 | 4 | 2 | 3 | 2 | 2 | 2 | 2 | 2 | |
| | | 9 | 0 | 6 | 0 | 9 | 3 | 0 | 0 | 9 | 0 | 3 | 9 | 9 | 8 | 8 | 0 | 0 | 9 | 9 | 0 | 9 | 9 | 8 | 9 | 9 | |
| Mineralization | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 1.0 |
| Ulcer | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 2.0 |
| Epithelium, Glands, Hyperplasia, Focal | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 2.0 |
| Glands, Ectasia | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 1.5 |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Tooth | | + | | | | | | | | | | + | | | | | | | | | | | | | | | + + 9 |
| Dysplasia | | 2 | | | | | | | | | | | | | | | | | | | | | | | | | 2 2.0 |
| Malformation | | 2 | | | | | | | | | | | 2 | | | | | | | | | | | | | | 1 7 1.4 |

CARDIOVASCULAR SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|------------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|-------|
| Blood Vessel | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |
| Heart | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |
| Artery, Inflammation, Chronic | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 3.0 |
| Myocardium, Infiltration Cellular, | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 1.5 |
| Mononuclear Cell | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| Myocardium, Mineralization | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 1.5 |
| Myocardium, Necrosis | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 2.0 |
| Ventricle, Atrophy | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 4.0 |

ENDOCRINE SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--------|-------|
| Adrenal Cortex | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49 | |
| Angiectasis | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 1.0 |
| Hypertrophy | 2 | | | 1 | 1 | | 2 | | 1 | 1 | | | | | | | | 1 | | 1 | | | | | | 17 1.2 | |
| Vacuolization Cytoplasmic, Focal | 1 | | | | | | 1 | | | | | | | | | | | 1 | | | | | | | | 11 1.2 | |
| Subcapsular, Hyperplasia | 2 | 1 | 1 | 2 | | 1 | 1 | 1 | 2 | 1 | | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 1 | 1 | 1 | 1 | 42 1.2 | |

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

+ .. Tissue examined microscopically

x .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

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TDMS No. 88123 - 07

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Lab: BAT

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

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|----------------|
| Adrenal Medulla
Hyperplasia, Focal | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | 1 2.0 |
| Islets, Pancreatic
Hyperplasia | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | 24 1.3 |
| Parathyroid Gland | + | M | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 46 | |
| Pituitary Gland
Cyst
Pars Distalis, Hyperplasia, Focal | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | 2 1.0
1 1.0 |
| Thyroid Gland
Cyst
Follicle, Hyperplasia, Focal | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | 2 1.0
8 1.4 |

GENERAL BODY SYSTEM

NONE

GENITAL SYSTEM

| | | | |
|-------------------|---|---|----|
| Coagulating Gland | + | + | 2 |
| Epididymis | + | + | 50 |
| Preputial Gland | + | + | 50 |

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

+ .. Tissue examined microscopically

x .. Lesion present

l .. Insufficient tissue

M .. Missing tissue

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|-------------------------------------|-----------|----------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--|
| | | 2 | 3 | 9 | 3 | 1 | 3 | 3 | 3 | 2 | 3 | 0 | 2 | 2 | 2 | 2 | 3 | 3 | 4 | 2 | 3 | 2 | 2 | 2 | 2 | |
| | | 9 | 0 | 6 | 0 | 9 | 3 | 0 | 0 | 9 | 0 | 3 | 9 | 9 | 8 | 8 | 0 | 0 | 9 | 9 | 0 | 9 | 9 | 8 | 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 | |
| | | 2 | 2 | 2 | 2 | 3 | 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 | 9 | |
| | | * TOTALS | | | | | | | | | | | | | | | | | | | | | | | | |
| Cyst | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Infiltration Cellular, Lymphoid | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Prostate | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Infiltration Cellular, Lymphoid | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Inflammation, Chronic | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Seminal Vesicle | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Fibrosis | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Testes | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Artery, Inflammation, Chronic | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Artery, Mineralization | | 1 | | | | | | | | | | | | | | | | | | | | | | | | |
| Artery, Thrombosis | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Germinal Epithelium, Degeneration | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Germinal Epithelium, Mineralization | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Tunic, Mineralization | | | | | | | | | | | | | | | | | | | | | | | | | | |

HEMATOPOIETIC SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|-------|
| Bone Marrow | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |
| Hyperplasia | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 35 | |
| Lymph Node | | | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| Lymph Node, Mandibular | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49 | |
| Atrophy | 2 | | 2 | | | | | | | | | | | | | | | | | | | | | | | 6 2.5 |
| Hyperplasia, Lymphoid | | | | | | | | | | | | | | | | | | | | | | | | | | 5 2.0 |

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

+ .. Tissue examined microscopically

x .. Lesion present

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TDMS No. 88123 - 07

Test Type: CHRONIC

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FORMAMIDE

CAS Number: 75-12-7

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Date Report Reqstd: 05/04/2006

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40 MG/KG | ANIMAL ID | 7 | 6 | 6 | 7 | 7 | 6 | 7 | 7 | 7 | 7 | 2 | 7 | 7 | 7 | 7 | 7 | 4 | 7 | 7 | 7 | 7 | 7 | 7 | |
|----------------------------------|-----------|----------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|--------|
| | | 2 | 3 | 9 | 3 | 1 | 3 | 3 | 3 | 2 | 3 | 0 | 2 | 2 | 2 | 2 | 3 | 4 | 2 | 3 | 2 | 2 | 2 | 2 | 2 |
| | | 9 | 0 | 6 | 0 | 9 | 3 | 0 | 0 | 9 | 0 | 3 | 9 | 9 | 8 | 8 | 0 | 9 | 9 | 0 | 9 | 9 | 8 | 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 | |
| | | 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 | 5 | |
| | | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | |
| | | * TOTALS | | | | | | | | | | | | | | | | | | | | | | | |
| Lymph Node, Mesenteric | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |
| Atrophy | | | | | | | | | | | | | | | | | | | | | | | | | 6 2.3 |
| Hyperplasia, Lymphoid | | | | | | | | | | | | | | | | | | | | | | | | | 4 2.3 |
| Necrosis, Lymphoid | | | | | | | | | | | | | | | | | | | | | | | | | 1 1.0 |
| Spleen | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |
| Atrophy | | | | | | | | | | | | | | | | | | | | | | | | | 3 3.0 |
| Hematopoietic Cell Proliferation | | | | | | | | | | | | | | | | | | | | | | | | | 20 1.9 |
| Lymphoid Follicle, Hyperplasia | | | | | | | | | | | | | | | | | | | | | | | | | 4 2.5 |
| Thymus | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |
| Atrophy | | | | | | | | | | | | | | | | | | | | | | | | | 37 2.7 |
| Cyst | | | | | | | | | | | | | | | | | | | | | | | | | 15 1.2 |
| Ectopic Parathyroid Gland | | | | | | | | | | | | | | | | | | | | | | | | | 1 1.0 |
| Hyperplasia, Lymphoid | | | | | | | | | | | | | | | | | | | | | | | | | 2 2.0 |
| Epithelial Cell, Hyperplasia | | | | | | | | | | | | | | | | | | | | | | | | | 1 2.0 |

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 | 2 | |
| Skin | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |
| Subcutaneous Tissue, Necrosis | | | | | | | | | | | | | | | | | | | | | | | | | 1 3.0 |

MUSCULOSKELETAL SYSTEM

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

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NERVOUS SYSTEM

RESPIRATORY SYSTEM

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| | | | | | | | | | | | | | | | | | | | | | | | |
|-------------------------|-----------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 7 | 6 | 6 | 7 | 7 | 6 | 7 | 7 | 7 | 7 | 2 | 7 | 7 | 7 | 7 | 7 | 4 | 7 | 7 | 7 | 7 | 7 | 7 |
| | 2 | 3 | 9 | 3 | 1 | 3 | 3 | 3 | 2 | 3 | 0 | 2 | 2 | 2 | 2 | 3 | 4 | 2 | 3 | 2 | 2 | 2 | 2 |
| | 9 | 0 | 6 | 0 | 9 | 3 | 0 | 0 | 9 | 0 | 3 | 9 | 9 | 8 | 8 | 0 | 0 | 9 | 9 | 0 | 9 | 9 | 8 |
| <hr/> | | | | | | | | | | | | | | | | | | | | | | | |
| B6C3F1 MICE MALE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 40 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 |
| | 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 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| | * TOTALS | | | | | | | | | | | | | | | | | | | | | | |
| | 1 2.0 | | | | | | | | | | | | | | | | | | | | | | |
| | 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. 88123 - 07

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

FORMAMIDE

CAS Number: 75-12-7

Pathologist: RYAN, M. - Blackshear, P.

Date Report Reqstd: 05/04/2006

Time Report Reqstd: 11:47:08

First Dose M/F: 10/04/01 / 10/03/01

Lab: BAT

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

males
(cont...)

ALIMENTARY SYSTEM

Esophagus

+ +

Gallbladder

Inflammation, Chronic

Ulcer

Epithelium, Cytoplasmic Alteration

+ + A +

1
2

Intestine Large, Cecum

+ +

Intestine Large, Colon

+ +

Intestine Large, Rectum

+ +

Intestine Small, Duodenum
Epithelium, Hyperplasia, Focal

+ +

Intestine Small, Ileum

+ +

Intestine Small, Jejunum
Inflammation, Chronic
Peyer's Patch, Hyperplasia, Lymphoid

+ +

1

Liver
Basophilic Focus
Clear Cell Focus

+ +

X

X

X

X

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

+ .. Tissue examined microscopically

x .. Lesion present

l .. Insufficient tissue

M .. Missing tissue

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TDMS No. 88123 - 07

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Route: GAVAGE

Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

FORMAMIDE

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First Dose M/F: 10/04/01 / 10/03/01

Lab: BAT

| B6C3F1 MICE MALE
80 MG/KG | ANIMAL ID | DAY ON TEST | | | | | | | | | | | | | | | | | | | | | | | | males
(cont...) | |
|---------------------------------------|-----------|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--------------------|--|
| | | 7 | 7 | 4 | 7 | 7 | 7 | 7 | 7 | 7 | 6 | 7 | 7 | 7 | 6 | 6 | 6 | 6 | 6 | 7 | 6 | 6 | 7 | 6 | 7 | | |
| | | 2 | 3 | 4 | 2 | 2 | 2 | 3 | 0 | 1 | 2 | 3 | 5 | 2 | 2 | 3 | 4 | 5 | 0 | 7 | 3 | 2 | 1 | 5 | 3 | 6 | |
| | | 8 | 0 | 9 | 8 | 8 | 1 | 0 | 8 | 9 | 9 | 0 | 6 | 9 | 8 | 0 | 6 | 9 | 3 | 3 | 5 | 8 | 8 | 8 | 0 | 1 | |
| Eosinophilic Focus | | X | X | | | | | | | | | | | | | | | | | X | X | X | | | | | |
| Fatty Change | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Fibrosis | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Hepatodiaphragmatic Nodule | | | | | | | | | | | | | | | | | | | | X | | | | | | | |
| Inflammation, Acute | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Inflammation, Chronic | | 1 | | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | |
| Mixed Cell Focus | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Necrosis | | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | | |
| Tension Lipidosis | | 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 | |
| Centrilobular, Necrosis | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Vein, Thrombosis | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Mesentery | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Oral Mucosa | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Inflammation, Chronic | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Gingival, Inflammation, Chronic | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Pancreas | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Acinus, Atrophy | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | |
| Acinus, Cytoplasmic Alteration | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Duct, Cyst | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Salivary Glands | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Artery, Parotid Gland, Mineralization | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | |
| Parotid Gland, Atrophy | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Stomach, Forestomach | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Ulcer | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | |

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

+ .. Tissue examined microscopically

x .. Lesion present

l .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

TDMS No. 88123 - 07

Test Type: CHRONIC

Route: Gavage

Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

FORMAMIDE

CAS Number: 75-12-7

Pathologist: RYAN, M. - Blackshear, P

Date Report Registered: 05/04/2006

Time Report Requested: 11:47:08

First Dose M/F: 10/04/01 / 10/03/01

Lab: BAT

| | 7 | 7 | 4 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 6 | 7 | 7 | 7 | 6 | 6 | 6 | 6 | 7 | 6 | 6 | 7 | 6 | 7 | 6 |
|-------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DAY ON TEST | 2 | 3 | 4 | 2 | 2 | 2 | 3 | 0 | 1 | 2 | 3 | 5 | 2 | 2 | 3 | 4 | 5 | 0 | 7 | 3 | 2 | 1 | 5 | 3 | 6 |
| | 8 | 0 | 9 | 8 | 8 | 1 | 0 | 8 | 9 | 9 | 0 | 6 | 9 | 8 | 0 | 6 | 9 | 3 | 3 | 5 | 8 | 8 | 8 | 0 | 1 |
| <hr/> | | | | | | | | | | | | | | | | | | | | | | | | | |
| B6C3F1 MICE MALE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 80 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 |
| ANIMAL ID | 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 | 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 |

Stomach, Glandular
Inflammation, Chronic
Ulcer
Glands, Ectasia

Tooth Malformation

CARDIOVASCULAR SYSTEM

Blood Vessel

ENDOCRINE SYSTEM

* .. 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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First Dose M/F: 10/04/01 / 10/03/01

Lab: BAT

GENERAL BODY SYSTEM

NONE

GENITAL SYSTEM

Epididymis

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+ .. Tissue examined microscopically

x .. Lesion present

| .. Insufficient tissue

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Time Report Requested: 11:47:08

First Dose M/F: 10/04/01 / 10/03/01

Lab: BAT

| | DAY ON TEST | 7 | 7 | 4 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 6 | 7 | 7 | 7 | 6 | 6 | 6 | 6 | 6 | 7 | 6 | 6 | 7 | 6 | |
|-------------------------|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 2 | 3 | 4 | 2 | 2 | 2 | 3 | 0 | 1 | 2 | 3 | 5 | 2 | 2 | 3 | 4 | 5 | 0 | 7 | 3 | 2 | 1 | 5 | 3 | 6 |
| | | 8 | 0 | 9 | 8 | 8 | 1 | 0 | 8 | 9 | 9 | 0 | 6 | 9 | 8 | 0 | 6 | 9 | 3 | 3 | 5 | 8 | 8 | 8 | 0 | 1 |
| <hr/> | | | | | | | | | | | | | | | | | | | | | | | | | | |
| B6C3F1 MICE MALE | 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 |
| 80 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 |
| | | 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 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 |

**males
(cont...)**

Skeletal Muscle +

NERVOUS SYSTEM

RESPIRATORY SYSTEM

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Page 65

1-4 ... Lesion qualified as:

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FORMAMIDE

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First Dose M/F: 10/04/01 / 10/03/01

Lab: BAT

| B6C3F1 MICE MALE
80 MG/KG | ANIMAL ID | 7 | 7 | 7 | 7 | 6 | 4 | 7 | 7 | 7 | 7 | 7 | 7 | 6 | 7 | 7 | 7 | 5 | 7 | 7 | 7 | 7 | 7 | 7 | |
|---------------------------------------|-----------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|--------|
| | | 2 | 2 | 2 | 3 | 5 | 8 | 2 | 3 | 2 | 2 | 2 | 2 | 5 | 2 | 3 | 2 | 3 | 2 | 2 | 2 | 3 | 3 | 3 | 3 |
| | | 9 | 8 | 9 | 0 | 0 | 5 | 8 | 0 | 9 | 8 | 9 | 8 | 6 | 9 | 0 | 9 | 4 | 9 | 9 | 8 | 0 | 0 | 0 | 0 |
| Eosinophilic Focus | | | | | | | | | | | | | | | | | | | | | | | | | 9 |
| Fatty Change | | | | | | | | | | | | | | | | | | | | | | | | | 1 1.0 |
| Fibrosis | | | | | | | | | | | | | | | | | | | | | | | | | 1 2.0 |
| Hepatodiaphragmatic Nodule | | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| Inflammation, Acute | | | | | | | | | | | | | | | | | | | | | | | | | 1 1.0 |
| Inflammation, Chronic | | | | | | | | | | | | | | | | | | | | | | | | | 15 1.3 |
| Mixed Cell Focus | | | | | | | | | | | | | | | | | | | | | | | | | 11 |
| Necrosis | | X | | | | | | | | | | | | | | | | | | | | | | | 11 2.0 |
| Tension Lipidosis | | | | | | | | | | | | | | | | | | | | | | | | | 6 1.0 |
| Centrilobular, Necrosis | | | | | | | | | | | | | | | | | | | | | | | | | 1 2.0 |
| Vein, Thrombosis | | | | | | | | | | | | | | | | | | | | | | | | | 1 3.0 |
| Mesentery | | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| Oral Mucosa | | | | | | | | | | | | | | | | | | | | | | | | | 7 |
| Inflammation, Chronic | | | | | | | | | | | | | | | | | | | | | | | | | 1 2.0 |
| Gingival, Inflammation, Chronic | | | | | | | | | | | | | | | | | | | | | | | | | 6 1.8 |
| Pancreas | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |
| Acinus, Atrophy | | | | | | | | | | | | | | | | | | | | | | | | | 2 1.5 |
| Acinus, Cytoplasmic Alteration | | | | | | | | | | | | | | | | | | | | | | | | | 1 1.0 |
| Duct, Cyst | | | | | | | | | | | | | | | | | | | | | | | | | 1 1.0 |
| Salivary Glands | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |
| Artery, Parotid Gland, Mineralization | | | | | | | | | | | | | | | | | | | | | | | | | 1 2.0 |
| Parotid Gland, Atrophy | | | | | | | | | | | | | | | | | | | | | | | | | 1 2.0 |
| Stomach, Forestomach | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |
| Ulcer | | | | | | | | | | | | | | | | | | | | | | | | | 1 2.0 |

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

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TDMS No. 88123 - 07

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Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

FORMAMIDE

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Date Report Reqstd: 05/04/2006

Time Report Reqstd: 11:47:08

First Dose M/F: 10/04/01 / 10/03/01

Lab: BAT

| B6C3F1 MICE MALE
80 MG/KG | ANIMAL ID | 7 | 7 | 7 | 7 | 6 | 4 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 6 | 7 | 7 | 7 | 5 | 7 | 7 | 7 | 7 | 7 | 7 | |
|------------------------------|-----------|----------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|-------|
| | | 2 | 2 | 2 | 3 | 5 | 8 | 2 | 3 | 2 | 2 | 2 | 2 | 2 | 5 | 2 | 3 | 2 | 3 | 2 | 2 | 2 | 3 | 3 | 3 | 3 |
| | | 9 | 8 | 9 | 0 | 0 | 5 | 8 | 0 | 9 | 8 | 9 | 9 | 8 | 6 | 9 | 0 | 9 | 4 | 9 | 9 | 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 | 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 | 2 | |
| | | 7 | 7 | 7 | 7 | 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 | |
| | | * TOTALS | | | | | | | | | | | | | | | | | | | | | | | | |
| Stomach, Glandular | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |
| Inflammation, Chronic | | | | | | | | | | | | | | | | | | | | | | | | | | 1 1.0 |
| Ulcer | | | | | | | | | | | | | | | | | | | | | | | | | | 3 1.7 |
| Glands, Ectasia | | | | | | | | | | | | | | | | | | | | | | | | | | 2 1.0 |
| | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Tooth | | | | | | | | | | | | | | | | | | | | | | | | | | 2 |
| Malformation | | | | | | | | | | | | | | | | | | | | | | | | | | 1 1.5 |

CARDIOVASCULAR SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|--------|
| Blood Vessel | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |
| Heart | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |
| Thrombosis | | | | | | | | | | | | | | | | | | | | | | | | | | 1 4.0 |
| Atrium, Thrombosis | | | | | | | | | | | | | | | | | | | | | | | | | | 3 3.7 |
| Myocardium, Infiltration Cellular,
Mononuclear Cell | | | | | | | | | | | | | | | | | | | | | | | | | | 12 1.1 |
| Myocardium, Mineralization | | | | | | | | | | | | | | | | | | | | | | | | | | 2 1.5 |
| Myocardium, Necrosis | | | | | | | | | | | | | | | | | | | | | | | | | | 4 1.5 |
| Nerve, Inflammation, Chronic | | | | | | | | | | | | | | | | | | | | | | | | | | 1 1.0 |

ENDOCRINE SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|----------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|--------|
| Adrenal Cortex | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |
| Angiectasis | | | | | | | | | | | | | | | | | | | | | | | | | | 1 1.0 |
| Hyperplasia | | | | | | | | | | | | | | | | | | | | | | | | | | 2 1.0 |
| Hypertrophy | | | | | | | | | | | | | | | | | | | | | | | | | | 13 1.2 |
| Pigmentation | | | | | | | | | | | | | | | | | | | | | | | | | | 2 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

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TDMS No. 88123 - 07

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Pathologist: RYAN, M. - Blackshear, P.

Date Report Requested: 05/04/2006

Time Report Requested: 11:47:08

First Dose M/F: 10/04/01 / 10/03/01

Lab: BAT

GENERAL BODY SYSTEM

NONE

GENITAL SYSTEM

Epididymis

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

+ .. Tissue examined microscopically

x .. Lesion present

| .. 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. 88123 - 07

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

FORMAMIDE

CAS Number: 75-12-7

Pathologist: RYAN, M. - Blackshear, P.

Date Report Reqstd: 05/04/2006

Time Report Reqstd: 11:47:08

First Dose M/F: 10/04/01 / 10/03/01

Lab: BAT

| B6C3F1 MICE MALE
80 MG/KG | ANIMAL ID | DAY ON TEST | | | | | | | | | | | | | | | | | | | | | | | | * TOTALS | |
|------------------------------------|-----------|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|----------|--------|
| | | 7 | 7 | 7 | 7 | 6 | 4 | 7 | 7 | 7 | 7 | 7 | 7 | 6 | 7 | 7 | 7 | 5 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | | |
| | | 2 | 2 | 2 | 3 | 5 | 8 | 2 | 3 | 2 | 2 | 2 | 2 | 5 | 2 | 3 | 2 | 3 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | | |
| | | 9 | 8 | 9 | 0 | 0 | 5 | 8 | 0 | 9 | 8 | 9 | 9 | 8 | 6 | 9 | 0 | 4 | 9 | 9 | 8 | 0 | 0 | 0 | 0 | | |
| Granuloma Sperm | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Inflammation, Chronic | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Preputial Gland | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | | |
| Cyst | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | 10 2.1 |
| Infiltration Cellular, Chronic | | | | | | | | | | | | | | | | | | | | | | | | | | 3 | 1 3.0 |
| Inflammation, Suppurative | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 2.0 |
| Inflammation, Chronic | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | 1 2.0 |
| Prostate | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | | |
| Inflammation, Suppurative | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 1.0 |
| Seminal Vesicle | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | | |
| Atrophy | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 2.5 |
| Testes | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | | |
| Granuloma Sperm | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| Artery, Mineralization | | 2 | 1 | 2 | | | | 2 | 2 | 2 | 1 | 2 | 1 | 2 | 2 | | 1 | 1 | 2 | 1 | 2 | 2 | | | | 2 | 35 1.6 |
| Germinal Epithelium, Degeneration | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | 4 1.8 |
| Germinal Epithelium, Inflammation, | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 2.0 |
| Chronic | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Tunic, Inflammation, Chronic | | 2 | 1 | 2 | | | 2 | 2 | 2 | 1 | 2 | 2 | | | | | | | | | | | | | | 1 1.0 | |
| Tunic, Mineralization | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | 27 1.8 |

HEMATOPOIETIC SYSTEM

| Bone Marrow | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--------|----|
| Hyperplasia | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 34 1.1 | |

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

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Skeletal Muscle + 2

NERVOUS SYSTEM

RESPIRATORY SYSTEM

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| | | | | | | | | | | | | | | | | | | | | |
|-------------------------|-------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| | DAY ON TEST | 7
2
9 | 7
2
8 | 7
2
9 | 7
3
0 | 6
5
5 | 4
8
0 | 7
2
9 | 7
2
8 | 7
2
9 | 7
2
9 | 7
2
8 | 6
5
6 | 7
2
9 | 7
2
9 | 5
3
4 | 7
2
9 | 7
2
9 | 7
2
8 | 7
3
0 |
| B6C3F1 MICE MALE | | 0
0
1
7
6 | 0
0
1
7
7 | 0
0
1
7
8 | 0
0
1
8
8 | 0
0
1
9
9 |
| 80 MG/KG | ANIMAL ID | | | | | | | | | | | | | | | | | | | |

*** TOTALS**

Polymorphonuclear

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

SPECIAL SENSES SYSTEM

| | | | | | | | | | | | | | | | | | | | | | |
|---------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--------|-------|
| Eye | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Degeneration | | | | | | | | | | | | | | | | | | | | | 1 3.0 |
| Anterior Chamber, Inflammation, | | | | | | | | | | | | | | | | | | | | | 1 3.0 |
| Suppurative | | | | | | | | | | | | | | | | | | | | | |
| Cornea, Inflammation, Chronic | | | | | | | | | | | | | | | | | | | | 1 | 1 1.0 |
| Harderian Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Hyperplasia, Focal | | | | | | | | | | | | | | | | | | | | 10 1.8 | |

URINARY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | |
|-----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--------|
| Kidney | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Inflammation, Suppurative | | | | | | | | | | | | | | | | | | | | | 1 1.0 |
| Inflammation, Chronic | | | | | | | | | | | | | | | | | | | | | 1 1.0 |
| Metaplasia, Osseous | | | | | | | | | | | | | | | | | | | | | 4 1.0 |
| Mineralization | | | | | | | | | | | | | | | | | | | | | 5 1.0 |
| Necrosis | | | | | | | | | | | | | | | | | | | | | 1 3.0 |
| Nephropathy | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 1 | 2 | 1 | 3 | 1 | 1 | 1 | 1 | 1 | 45 1.4 |
| Pelvis, Inflammation, Suppurative | | | | | | | | | | | | | | | | | | | | | 2 2.0 |
| Renal Tubule, Cyst | | | | | | | | | | | | | | | | | | | | | 5 1.0 |
| Renal Tubule, Hyperplasia | | | | | | | | | | | | | | | | | | | | | 1 1.0 |

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*** END OF MALE DATA ***

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Lab: BAT

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

ALIMENTARY SYSTEM

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Page 74

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| B6C3F1 MICE FEMALE
0 MG/KG | ANIMAL ID | DAY ON TEST | | | | | | | | | | | | | | | | | | | | | | females
(cont...) | |
|--|-----------|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----------------------|---|
| | | 7 | 6 | 7 | 7 | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 3 | 7 | 7 | 7 | 4 | 7 | 7 | 7 | 7 | 7 | | |
| | | 2 | 2 | 2 | 2 | 2 | 6 | 2 | 2 | 2 | 2 | 2 | 2 | 6 | 2 | 2 | 2 | 9 | 2 | 2 | 2 | 2 | 2 | | |
| Fatty Change | | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| Hematopoietic Cell Proliferation | | 2 | | | | | | | | | | | | | | | | | | | | | | | |
| Inflammation, Chronic | | 1 | 1 | 1 | 1 | 1 | | 1 | 1 | X | X | | | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | X | |
| Mixed Cell Focus | | | | | | | | | | | | | | | | | | | | | | | | | |
| Necrosis | | | | | | | | | | | | | | | | | | | | | | | | | |
| Tension Lipidosis | | | | | | | | | | | | | | | | | | | | | | | | | |
| Centrilobular, Vacuolization Cytoplasmic | | | | | | | | | | | | | | | | | | | | | | | | | |
| Mesentery | | + | | | | | | + | | | | | | + | | | | | | | | | | | |
| Fat, Necrosis | | | | | | | | 2 | | | | | | 2 | | | | | | | | | | | |
| Oral Mucosa | | | | | | | | | | | | | | | | | | | | | | | | | |
| Gingival, Inflammation, Chronic | | | | | | | | | | | | | | | | | | | | | | | | | |
| Pancreas | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Acinus, Cytoplasmic Alteration | | | | | | | | | | | | | | | | | | | | | | | | | |
| Duct, Inflammation, Chronic | | | | | | | | | | | | | | | | | | | | | | | | | |
| Salivary Glands | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Stomach, Forestomach | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Inflammation, Chronic | | | | | | | | | | | | | | | | | | | | | | | | | |
| Epithelium, Hyperplasia | | | | | | | | | | | | | | | | | | | | | | | | | |
| Stomach, Glandular | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Inflammation, Chronic | | | | | | | | | | | | | | | | | | | | | | | | | |
| Epithelium, Glands, Cytoplasmic Alteration | | | | | | | | | | | | | | | | | | | | | | | | | |
| Glands, Ectasia | | | | | | | | | | | | | | | | | | | | | | | | | |
| Glands, Hyperplasia | | | | | | | | | | | | | | | | | | | | | | | | | |

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

females
(cont...)

| | | | | | | | | | | | | | | | | | | | | | | | | |
|-------------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Pituitary Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Angiectasis | | | | | | | | | | | | | | | | | | | | | | | | |
| Cyst | | | | | | | | | | | | | | | | | | | | | | | | |
| Pars Distalis, Hyperplasia, Focal | | | | | | | | | | | | | | | | | | | | | | | | |
| Pars Intermedia, Hyperplasia, Focal | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | |
| Thyroid Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Cyst | | | | | | | | | | | | | | | | | | | | | | | | |
| Inflammation, Chronic | | | | | | | | | | | | | | | | | | | | | | | | |
| Follicle, Hyperplasia, Focal | 1 | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | 2 | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | 2 | | | | | | | | | | | | | | | | | | | | | | | |

GENERAL BODY SYSTEM

NONE

GENITAL SYSTEM

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

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|---------------------------|------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 2 | 2 | 2 | 2 | 2 | 6 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 6 | 2 | 2 | 9 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| | | 7 | 3 | 8 | 8 | 9 | 5 | 9 | 7 | 8 | 8 | 7 | 8 | 7 | 9 | 7 | 7 | 8 | 3 | 8 | 7 | 7 | 9 | 8 | 7 |
| B6C3F1 MICE FEMALE | 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 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 | |
| | | 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 | 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 | |

HEMATOPOIETIC SYSTEM

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

+ .. Tissue examined microscopically

x .. Lesion present

| .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

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

TDMS No. 88123 - 07

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

FORMAMIDE

CAS Number: 75-12-7

Pathologist: RYAN, M. - Blackshear, P.

Date Report Reqstd: 05/04/2006

Time Report Reqstd: 11:47:08

First Dose M/F: 10/04/01 / 10/03/01

Lab: BAT

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

**females
(cont...)**

| | | | | | | | | | | | | | | | | | | | | | | | | |
|----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Hematopoietic Cell Proliferation | 3 | 2 | 3 | | | | | | | | | | | 3 | 3 | | | | | | | | | 3 |
| Hyperplasia, Plasma Cell | | | | | | | | | | | | | | | | | | | | | | | | 2 |
| Lymphoid Follicle, Hyperplasia | | | | | | | | | | | | | | | | | | | | | | | | |
| Lymphoid Follicle, Necrosis | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | |
| Thymus | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Atrophy | | | | | | | | | | | | | | | | | | | | | | | | |
| Cyst | | | | | | | | | | | | | | | | | | | | | | | | |
| Hyperplasia, Lymphoid | | | | | | | | | | | | | | | | | | | | | | | | |
| Necrosis, Lymphoid | | | | | | | | | | | | | | | | | | | | | | | | |

INTEGUMENTARY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | |
|---------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--|
| Mammary Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Hyperplasia, Cystic | | | | | | | | | | | | | | | | | | | | | | | | |
| Skin | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |

MUSCULOSKELETAL SYSTEM

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

NERVOUS SYSTEM

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

M .. Missing tissue
A .. Autolysis precludes evaluation
BLANK .. Not examined microscopically
Page 79

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

TDMS No. 88123 - 07

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

FORMAMIDE

CAS Number: 75-12-7

Pathologist: RYAN, M. - Blackshear, P.

Date Report Reqstd: 05/04/2006

Time Report Reqstd: 11:47:08

First Dose M/F: 10/04/01 / 10/03/01

Lab: BAT

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

females
(cont...)

SPECIAL SENSES SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | |
|------------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Eye | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Degeneration | | | | | | | | | | | | | | | | | | | | | | | | |
| Cornea, Inflammation, Chronic | | | | | | | | | | | | | | | | | | | | | | | | |
| Retrobulbar, Inflammation, Chronic | | | | | | | | | | | | | | | | | | | | | | | | |
| Harderian Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Hyperplasia, Focal | | | | | | | | | | | | | | | | | | | | | | | | |

URINARY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | |
|-------------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Kidney | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Hydronephrosis | | | | | | | | | | | | | | | | | | | | | | | | |
| Hyperplasia, Lymphoid | | | | | | | | | | | | | | | | | | | | | | | | |
| Infarct | | | | | | | | | | | | | | | | | | | | | | | | |
| Metaplasia, Osseous | | | | | | | | | | | | | | | | | | | | | | | | |
| Mineralization | | | | | | | | | | | | | | | | | | | | | | | | |
| Nephropathy | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 3 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Artery, Inflammation, Chronic | | | | | | | | | | | | | | | | | | | | | | | | |
| Renal Tubule, Accumulation, Hyaline | | | | | | | | | | | | | | | | | | | | | | | | |
| Droplet | | | | | | | | | | | | | | | | | | | | | | | | |
| Urinary Bladder | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |

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

+ .. Tissue examined microscopically

x .. Lesion present

l .. Insufficient tissue

M .. Missing tissue

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TDMS No. 88123 - 07

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Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

FORMAMIDE

CAS Number: 75-12-7

Pathologist: RYAN, M. - Blackshear, P

Date Report Registered: 05/04/2006

Time Report Requested: 11:47:08

First Dose M/F: 10/04/01 / 10/03/01

Lab: BAT

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

ALIMENTARY SYSTEM

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

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Lab: BAT

| B6C3F1 MICE FEMALE
0 MG/KG | ANIMAL ID | 7 | 6 | 7 | 6 | 7 | 7 | 7 | 7 | 3 | 6 | 7 | 7 | 7 | 5 | 7 | 7 | 6 | 7 | 7 | 5 | 7 | 7 | | |
|--|-----------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--------|-------|
| | | 2 | 2 | 2 | 1 | 2 | 2 | 2 | 2 | 7 | 5 | 0 | 2 | 2 | 2 | 2 | 9 | 2 | 2 | 8 | 2 | 2 | 9 | 2 | 2 |
| | | 7 | 3 | 7 | 5 | 7 | 7 | 8 | 8 | 8 | 4 | 3 | 6 | 8 | 8 | 7 | 9 | 3 | 8 | 8 | 1 | 8 | 7 | 4 | 7 |
| Fatty Change | | | | | | | | | | | | | | | | | | | | | | | | | 6 1.5 |
| Hematopoietic Cell Proliferation | | | | | | | | | | | | | | | | | | | | | | | | | 3 1.7 |
| Inflammation, Chronic | | 1 | | 1 | | 1 | | 1 | | | | | | | | | | | | | | | | 29 1.0 | |
| Mixed Cell Focus | | | | | | | | | | | | | | | | | | | | | | | | | 4 |
| Necrosis | | | | | | | | | | | | | | | | | | | | | | | | | 1 2.0 |
| Tension Lipidosis | | | | | | | | | | | | | | | | | | | | | | | | | 3 1.0 |
| Centrilobular, Vacuolization Cytoplasmic | | | | | | | | | | | | | | | | | | | | | | | | | 1 2.0 |
| Mesentery | | | | | | | | | | | | | | | | | | | | | | | | | 8 |
| Fat, Necrosis | | | | | | | | | | | | | | | | | | | | | | | | | 5 2.2 |
| Oral Mucosa | | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| Gingival, Inflammation, Chronic | | | | | | | | | | | | | | | | | | | | | | | | | 1 1.0 |
| Pancreas | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49 | |
| Acinus, Cytoplasmic Alteration | | 1 | | | | | | | | | | | | | | | | | | | | | | | 1 1.0 |
| Duct, Inflammation, Chronic | | | | | | | | | | | | | | | | | | | | | | | | | 1 1.0 |
| Salivary Glands | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49 | |
| Stomach, Forestomach | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |
| Inflammation, Chronic | | | | | | | | | | | | | | | | | | | | | | | | | 1 2.0 |
| Epithelium, Hyperplasia | | | | | | | | | | | | | | | | | | | | | | | | | 1 2.0 |
| Stomach, Glandular | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |
| Inflammation, Chronic | | | | | | | | | | | | | | | | | | | | | | | | | 1 1.0 |
| Epithelium, Glands, Cytoplasmic Alteration | | | | | | | | | | | | | | | | | | | | | | | | | 1 1.0 |
| Glands, Ectasia | | | | | | | | | | | | | | | | | | | | | | | | | 1 2.0 |
| Glands, Hyperplasia | | | | | | | | | | | | | | | | | | | | | | | | | 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

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TDMS No. 88123 - 07

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Species/Strain: MICE/B6C3F1

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FORMAMIDE

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Pathologist: RYAN, M. - Blackshear, P

Date Report Requested: 05/04/2006

Time Report Requested: 11:47:08

First Dose M/F: 10/04/01 / 10/03/01

Lab: BAT

CARDIOVASCULAR SYSTEM

ENDOCRINE SYSTEM

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Page 84

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Lab: BAT

| B6C3F1 MICE FEMALE
0 MG/KG | ANIMAL ID | 7 | 6 | 7 | 6 | 7 | 7 | 7 | 7 | 3 | 6 | 7 | 7 | 7 | 7 | 5 | 7 | 7 | 6 | 7 | 7 | 5 | 7 | 7 | |
|-------------------------------------|-----------|----------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|--------|
| | | 2 | 2 | 2 | 1 | 2 | 2 | 2 | 2 | 7 | 5 | 0 | 2 | 2 | 2 | 2 | 9 | 2 | 2 | 8 | 2 | 2 | 9 | 2 | 2 |
| | | 7 | 3 | 7 | 5 | 7 | 7 | 8 | 8 | 8 | 4 | 3 | 6 | 8 | 8 | 7 | 9 | 3 | 8 | 8 | 1 | 8 | 7 | 4 | 7 |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 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 | 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 | |
| | | * TOTALS | | | | | | | | | | | | | | | | | | | | | | | |
| Pituitary Gland | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |
| Angiectasis | | | | | | | | | | | | | | | | | | | | | | | | | 2 1.5 |
| Cyst | | | | | | | | | | | | | | | | | | | | | | | | | 3 1.3 |
| Pars Distalis, Hyperplasia, Focal | | | | | | | | | | | | | | | | | | | | | | | | | 11 1.5 |
| Pars Intermedia, Hyperplasia, Focal | | | | | | | | | | | | | | | | | | | | | | | | | 1 1.0 |
| Thyroid Gland | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | 49 | |
| Cyst | | | | | | | | | | | | | | | | | | | | | | | | | 1 1.0 |
| Inflammation, Chronic | | | | | | | | | | | | | | | | | | | | | | | | | 1 1.0 |
| Follicle, Hyperplasia, Focal | | | | | | | | | | | | | | | | | | | | | | | | | 14 1.4 |

GENERAL BODY SYSTEM

NONE

GENITAL SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|----------------------------------|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--------|--------|
| Clitoral Gland | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |
| Ovary | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |
| Angiectasis | | | | | | | | | | | | | | | | | | | | | | | | | 2 2.0 |
| Cyst | | 1 | 2 | | | 1 | 1 | 2 | | | | | | | | | | | 2 | 1 | 1 | 1 | 2 | 24 1.4 | |
| Thrombosis | | | | | | | | | | | | | | | | | | | | | | | | | 1 3.0 |
| Bilateral, Thrombosis | | | | | | | | | | | | | | | | | | | | | | | | | 1 4.0 |
| Follicle, Atrophy | | 2 | 1 | 4 | 1 | 2 | 2 | 2 | | | | 4 | 2 | 3 | 3 | | 2 | 4 | 4 | 4 | 4 | 4 | 4 | 33 2.5 | |
| Uterus | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |
| Inflammation, Suppurative | | 1 | 2 | 2 | 2 | 1 | 2 | 2 | 2 | 2 | | | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 1 | 2 | 2 | 1 | 2 | 1 4.0 |
| Endometrium, Hyperplasia, Cystic | | | | | | | | | | | | | | | | | | | | | | | | | 45 1.7 |

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

+ .. Tissue examined microscopically

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

HEMATOPOIETIC SYSTEM

Bone Marrow

| | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|-------|
| + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |
| | | | | | | | | | | | | | | | | | | | | | | | | 8 1.1 |
| | | | | | | | | | | | | | | | | | | | | | | | | 1 2.0 |

Hyperplasia

Infiltration Cellular, Histiocyte

| | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-------|
| Lymph Node | + | + | + | + | + | + | + | + | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 8 |
| Lumbar, Hematopoietic Cell Proliferation | | | | | | | | | | | | | | | | | | | | | | | | 1 2.0 |
| Lumbar, Hyperplasia, Lymphoid | | | | | | | | | | | | | | | | | | | | | | | | 1 2.0 |
| Mediastinal, Hematopoietic Cell Proliferation | | | | | | | | | | | | | | | | | | | | | | | | 1 2.0 |
| Mediastinal, Hyperplasia, Lymphoid | | | | | | | | | | | | | | | | | | | | | | | | 2 3.0 |
| Renal, Hyperplasia, Lymphoid | | | | | | | | | | | | | | | | | | | | | | | | 1 3.0 |

Lymph Node, Mandibular

| | | | | | | | | | | | | | | | | | | | | | | | | |
|----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-------|
| Atrophy | + | + | + | + | + | + | + | + | 1 | 2 | 1 | M | + | + | + | + | + | + | + | + | + | + | + | 49 |
| Hematopoietic Cell Proliferation | | | | | | | | | | | | | | | | | | | | | | | | 3 1.3 |
| Hyperplasia, Lymphoid | | 2 | 2 | | | | | | | 3 | 2 | | | | | | | | | | | | | 1 1.0 |
| Necrosis, Lymphoid | | | | | | | | | | | | | | | | | | | | | | | | 8 2.1 |
| | | | | | | | | | | | | | | | | | | | | | | | | 1 1.0 |

Lymph Node, Mesenteric

| | | | | | | | | | | | | | | | | | | | | | | | | |
|----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-------|
| Atrophy | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 50 |
| Hematopoietic Cell Proliferation | | | | | | | | | | | | | | | | | | | | | | | | 7 1.3 |
| Hyperplasia, Lymphoid | | | | | | | | | | | | | | | | | | | | | | | | 1 2.0 |
| Necrosis, Lymphoid | | | | | | | | | | | | | | | | | | | | | | | | 4 2.0 |
| | | | | | | | | | | | | | | | | | | | | | | | | 2 1.5 |
| | | | | | | | | | | | | | | | | | | | | | | | | |

Spleen

| | | | | | | | | | | | | | | | | | | | | | | | | |
|---------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-------|
| Atrophy | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| | | | | | | | | | | | | | | | | | | | | | | | | 1 2.0 |
| | | | | | | | | | | | | | | | | | | | | | | | | |

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

+ .. Tissue examined microscopically

x .. Lesion present

l .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

TDMS No. 88123 - 07

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

FORMAMIDE

CAS Number: 75-12-7

Pathologist: RYAN, M. - Blackshear, P

Date Report Registered: 05/04/2006

Time Report Requested: 11:47:08

First Dose M/F: 10/04/01 / 10/03/01

Lab: BAT

INTEGUMENTARY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | |
|--------------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|---|-----|
| Mammary Gland
Hyperplasia, Cystic | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | 1 | 1.0 |
| <hr/> | | | | | | | | | | | | | | | | | | | | | | | | |
| Skin | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | | |

MUSCULOSKELETAL SYSTEM

NERVOUS SYSTEM

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

+ .. Tissue examined microscopically

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| | | | | | | | | | | | | | | | | | | | | | | | | |
|---|-----------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|-------|
| | 7 | 6 | 7 | 6 | 7 | 7 | 7 | 7 | 3 | 6 | 7 | 7 | 7 | 7 | 5 | 7 | 7 | 6 | 7 | 7 | 5 | 7 | 7 | |
| | 2 | 2 | 2 | 1 | 2 | 2 | 2 | 2 | 7 | 5 | 0 | 2 | 2 | 2 | 2 | 9 | 2 | 8 | 2 | 2 | 9 | 2 | 2 | |
| | 7 | 3 | 7 | 5 | 7 | 7 | 8 | 8 | 4 | 3 | 6 | 8 | 8 | 7 | 9 | 3 | 8 | 8 | 1 | 8 | 7 | 4 | 7 | |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| B6C3F1 MICE FEMALE | ANIMAL ID | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | |
| 0 MG/KG | | 2 | 2 | 2 | 2 | 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 | |
| | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | |
| Brain | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |
| Arteriole, Inflammation, Chronic | | | | | | | | | | | | | | | | | | | | | | | | 1 2.0 |
| Hypothalamus, Compression | | | | | | | | | | | | | | | | | | | | | | | | 1 3.0 |
| Meninges, Infiltration Cellular, Lymphocyte | | | | | | | | | | | | | | | | | | | | | | | | 2 1.5 |
| Vein, Infiltration Cellular, Lymphocyte | | | | | | | | | | | | | | | | | | | | | | | | 1 1.0 |
| Spinal Cord | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| Hemorrhage | | | | | | | | | | | | | | | | | | | | | | | | 1 1.0 |

RESPIRATORY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | |
|---|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|-------|
| Lung | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |
| Inflammation, Focal, Chronic | | | | | | | | | | | | | | | | | | | | | | | | 1 1.0 |
| Inflammation, Chronic | | | | | | | | | | | | | | | | | | | | | | | | 2 1.5 |
| Metaplasia, Osseous | | | | | | | | | | | | | | | | | | | | | | | | 1 2.0 |
| Alveolar Epithelium, Hyperplasia | | | | | | | | | | | | | | | | | | | | | | | | 2 1.0 |
| Alveolus, Infiltration Cellular, Histiocyte | | | | | | | | | | | | | | | | | | | | | | | | 1 1.0 |
| Nose | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |
| Inflammation, Chronic | | | | | | | | | | | | | | | | | | | | | | | | 1 1.0 |
| Glands, Hyperplasia | | | | | | | | | | | | | | | | | | | | | | | | 1 1.0 |
| Nasolacrimal Duct, Infiltration Cellular, | | | | | | | | | | | | | | | | | | | | | | | | 3 1.3 |
| Polymorphonuclear | | | | | | | | | | | | | | | | | | | | | | | | |
| Respiratory Epithelium, Hyperplasia, Focal | | | | | | | | | | | | | | | | | | | | | | | | 1 1.0 |
| Vomeronasal Organ, Infiltration Cellular, | | | | | | | | | | | | | | | | | | | | | | | | 9 1.0 |
| Polymorphonuclear | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| 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

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First Dose M/F: 10/04/01 / 10/03/01

Lab: BAT

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

SPECIAL SENSES SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|------------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|-------|
| Eye | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | 49 | |
| Degeneration | | | | | | | | | | | | | | | | | | | | | | | | | 1 3.0 |
| Cornea, Inflammation, Chronic | | | | | | | | | | | | | | | | | | | | | | | | | 1 2.0 |
| Retrobulbar, Inflammation, Chronic | | | | | | | | | | | | | | | | | | | | | | | | | 1 2.0 |
| Harderian Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | 49 | |
| Hyperplasia, Focal | | | | | | | | | | | | | | | | | | | | | | | | | 7 1.9 |

URINARY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|-------------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-------|--------|
| Kidney | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |
| Hydronephrosis | | | | | | | | | | | | | | | | | | | | | | | | | 1 3.0 |
| Hyperplasia, Lymphoid | | | | | | | | | | | | | | | | | | | | | | | | | 1 2.0 |
| Infarct | | | | | | | | | | | | | | | | | | | | | | | | | 2 2.0 |
| Metaplasia, Osseous | | | | | | | | | | | | | | | | | | | | | | | | | 1 1.0 |
| Mineralization | | | | | | | | | | | | | | | | | | | | | | | | | 6 1.0 |
| Nephropathy | | | | | | | | | | | | | | | | | | | | | | | | | 35 1.1 |
| Artery, Inflammation, Chronic | 1 | 1 | 1 | 1 | 1 | 1 | 2 | | 1 | 1 | | 1 | 1 | 1 | | 1 | 1 | 2 | 1 | | 1 | | | 1 2.0 | |
| Renal Tubule, Accumulation, Hyaline | | | | | | | | | | | | | | | | | | | | | | | | | 1 2.0 |
| Droplet | | | | | | | | | | | | | | | | | | | | | | | | | |
| Urinary Bladder | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |

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

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Lab: BAT

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

ALIMENTARY SYSTEM

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

+ .. Tissue examined microscopically

x .. Lesion present

| .. Insufficient tissue

M .. Missing tissue

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| | | | | | | | | | | | | | | | | | | | | | | | | |
|--------------------|-----------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 7 | 6 | 7 | 5 | 7 | 7 | 6 | 7 | 7 | 6 | 7 | 7 | 7 | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 4 |
| | 2 | 6 | 2 | 7 | 2 | 2 | 2 | 6 | 2 | 2 | 8 | 2 | 2 | 2 | 2 | 4 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 1 |
| | 8 | 5 | 7 | 5 | 7 | 7 | 9 | 5 | 8 | 7 | 1 | 9 | 7 | 9 | 8 | 9 | 6 | 7 | 7 | 8 | 9 | 7 | 9 | 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 |
| B6C3F1 MICE FEMALE | ANIMAL ID | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 20 MG/KG | | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 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 |

females
(cont...)

| | | | | | | | | | | | | | | | | | | | | | | | | |
|------------------------|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Mesentery | | | | | | | | | | | | | | | | | | | | | | | | + |
| Fat, Necrosis | | | | | | | | | | | | | | | | | | | | | | | | 2 |
| Pancreas | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 1 |
| Acinus, Atrophy | | | | | | | | | | | | | | | | | | | | | | | | |
| Salivary Glands | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Parotid Gland, Atrophy | | | | | | | | | | | | | | | | | | | | | | | | 2 |
| Stomach, Forestomach | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Stomach, Glandular | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Inflammation, Chronic | | | | | | | | | | | | | | | | | | | | | | | | |
| Ulcer | | | | | | | | | | | | | | | | | | | | | | | | 2 |

CARDIOVASCULAR SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | |
|------------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Blood Vessel | | | | | | | | | | | | | | | | | | | | | | | | |
| | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Heart | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Myocardium, Infiltration Cellular, | | | | | | | | | | | | | | | | | | | | | | | | |
| Mononuclear Cell | | 2 | | | | | | | | | | | | | | | | | | | | | | 1 |
| Myocardium, Mineralization | | | | | | | | | | | | | | | | | | | | | | | | 1 |

ENDOCRINE SYSTEM

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

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

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| B6C3F1 MICE FEMALE
20 MG/KG | ANIMAL ID | 7 | 6 | 7 | 5 | 7 | 7 | 6 | 7 | 7 | 6 | 7 | 7 | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 4 | |
|-----------------------------------|-----------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 2 | 6 | 2 | 7 | 2 | 2 | 6 | 2 | 2 | 8 | 2 | 2 | 2 | 2 | 4 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 1 | |
| | | 8 | 5 | 7 | 5 | 7 | 7 | 9 | 5 | 8 | 7 | 1 | 9 | 7 | 9 | 8 | 9 | 6 | 7 | 7 | 8 | 9 | 7 | 9 | 3 |
| Angiectasis | | | | | | | | | | | | | | | | | | | | | | | | | |
| Hematopoietic Cell Proliferation | | | | | | | | | | | | | | | | | | | | | | | | | |
| Hyperplasia | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Hypertrophy | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Pigmentation | | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| Subcapsular, Hyperplasia | | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 7 |
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 |
| females
(cont...) | | | | | | | | | | | | | | | | | | | | | | | | | |
| Adrenal Medulla | | 2 | 3 | 2 | 2 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| Angiectasis | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Hyperplasia, Focal | | | | | | | | | | | | | | | | | | | | | | | | | |
| Islets, Pancreatic | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Hyperplasia | | | | | | | | | | | | | | | | | | | | | | | | | |
| Parathyroid Gland | | M | + | M | + | + | M | + | + | M | + | M | + | + | + | + | M | + | M | + | + | + | + | M | + |
| Pituitary Gland | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Angiectasis | | | | | | | | | | | | | | | | | | | | | | | | | |
| Cyst | | | | | | | | | | | | | | | | | | | | | | | | | |
| Fibrosis | | | | | | | | | | | | | | | | | | | | | | | | | |
| Hemorrhage, Chronic | | | | | | | | | | | | | | | | | | | | | | | | | |
| Pars Distalis, Hyperplasia, Focal | | 1 | | | | | | | | | | | | | | | | | | | | | | | |
| Thyroid Gland | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Cyst | | | | | | | | | | | | | | | | | | | | | | | | | |
| Infiltration Cellular, Lymphoid | | | | | | | | | | | | | | | | | | | | | | | | | |
| Inflammation, Suppurative | | | | | | | | | | | | | | | | | | | | | | | | | |
| Inflammation, Chronic | | | | | | | | | | | | | | | | | | | | | | | | | |
| Follicle, Hyperplasia, Focal | | 2 | | | | | | | | | | | | | | | | | | | | | | | |

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

+ .. Tissue examined microscopically

x .. Lesion present

l .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

TDMS No. 88123 - 07

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

FORMAMIDE

CAS Number: 75-12-7

Pathologist: RYAN, M. - Blackshear, P

Date Report Requested: 05/04/2006

Time Report Requested: 11:47:08

First Dose M/F: 10/04/01 / 10/03/01

Lab: BAT

GENERAL BODY SYSTEM

NONE

GENITAL SYSTEM

HEMATOPOIETIC SYSTEM

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

± .. Tissue examined microscopically

x .. Lesion present

| .. Insufficient tissue

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| | | | | | | | | | | | | | | | | | | | | | | | | |
|---------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 7 | 6 | 7 | 5 | 7 | 7 | 6 | 7 | 7 | 6 | 7 | 7 | 7 | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 4 |
| | 2 | 6 | 2 | 7 | 2 | 2 | 2 | 6 | 2 | 2 | 8 | 2 | 2 | 2 | 2 | 4 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 1 |
| | 8 | 5 | 7 | 5 | 7 | 7 | 9 | 5 | 8 | 7 | 1 | 9 | 7 | 9 | 8 | 9 | 6 | 7 | 7 | 8 | 9 | 7 | 9 | 3 |
| B6C3F1 MICE FEMALE | 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 | 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 |
| | 5 | 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 |

**females
(cont...)**

MUSCULOSKELETAL SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--|
| Bone | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Hyperostosis | | | | | | 2 | | | 1 | 2 | | | | | | | | | | | | | | | |
| Skeletal Muscle | | | | | | | | | | | | | | | | | | | | | | | | | |
| Fibrosis | | | | | | | | | | | | | | | | | | | | | | | | | |

NERVOUS SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|---------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--|
| Brain | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Hypothalamus, Compression | | | | | | | | | | | | | | | | | | | 3 | | | | | | |

RESPIRATORY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--|
| Lung | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Hematopoietic Cell Proliferation | | | | | | | | | | | | | | | | | | | | | | | | | |
| Alveolar Epithelium, Hyperplasia | | | | | | | | | | | | | | | | | | | | | | | | | |
| Alveolus, Infiltration Cellular, Histiocyte | | | | | | | | | | | | | | | | | | | | | | | | | |
| Nose | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Inflammation, Suppurative | | | | | | | | | | | | | | | | | | | | | | | | | |
| Nasolacrimal Duct, Infiltration Cellular, | | | | | | | | | | | | | | | | | | | | | | | | | |
| Polymorphonuclear | | | | | | | | | | | | | | | | | | | | | | | | | |
| Olfactory Epithelium, Atrophy, Focal | | | | | | | | | | | | | | | | | | | | | | | | | |
| Vomeronasal Organ, Infiltration Cellular, | | | | | | | | | | | | | | | | | | | | | | | | | |
| Polymorphonuclear | | | | | | | | | | | | | | | | | | | | | | | | | |

* .. 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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TDMS No. 88123 - 07

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Species/Strain: MICE/B6C3F1

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FORMAMIDE

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Date Report Reqstd: 05/04/2006

Time Report Reqstd: 11:47:08

First Dose M/F: 10/04/01 / 10/03/01

Lab: BAT

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

ALIMENTARY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | |
|----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-------|--------|
| Esophagus | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |
| Gallbladder | + | + | A | + | + | + | I | A | I | + | + | + | + | + | + | + | + | + | + | + | + | + | 45 | |
| 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 | |
| Clear Cell Focus | | | | | | | | | X | | | | | | | | | | | | | | 2 | |
| Eosinophilic Focus | X | X | | X | X | | | | | X | | X | X | X | | | | X | X | | | | 15 | |
| Fatty Change | | | | | | 1 | | | 1 | | | | | | | | | | | | | | 7 1.3 | |
| Hematopoietic Cell Proliferation | | | | | | | | | | | | | | | | | | | | | | | 4 2.3 | |
| Inflammation, Chronic | 1 | 1 | | 1 | 1 | 1 | | | | 1 | 1 | 1 | 1 | 1 | | | 2 | 1 | 1 | 4 | | 1 | 1 | 27 1.0 |
| Mixed Cell Focus | | | | | | | | | | | | | | | | | | | | | | | 5 | |
| Tension Lipidosis | 1 | 1 | 1 | | | | | | | | | | | | | | 1 | | | 1 | | | 9 1.0 | |

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

+ .. Tissue examined microscopically

x .. Lesion present

l .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

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TDMS No. 88123 - 07

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Route: GAVAGE

Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

FORMAMIDE

CAS Number: 75-12-7

Pathologist: RYAN, M. - Blackshear, P.

Date Report Reqstd: 05/04/2006

Time Report Reqstd: 11:47:08

First Dose M/F: 10/04/01 / 10/03/01

Lab: BAT

| B6C3F1 MICE FEMALE
20 MG/KG | ANIMAL ID | DAY ON TEST | | | | | | | | | | | | | | | | | | | | | | | | |
|------------------------------------|-----------|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----|
| | | 7 | 7 | 5 | 7 | 7 | 7 | 6 | 7 | 7 | 7 | 6 | 7 | 7 | 7 | 7 | 6 | 7 | 7 | 5 | 7 | 7 | 7 | 7 | 7 | |
| | | 2 | 2 | 3 | 2 | 2 | 2 | 2 | 7 | 2 | 2 | 2 | 1 | 2 | 2 | 2 | 5 | 2 | 2 | 1 | 2 | 2 | 2 | 2 | 2 | 2 |
| | | 7 | 8 | 6 | 8 | 8 | 8 | 7 | 7 | 4 | 7 | 8 | 8 | 9 | 9 | 7 | 8 | 7 | 9 | 3 | 8 | 8 | 7 | 7 | 7 | 7 |
| Mesentery | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Fat, Necrosis | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Pancreas | | 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 |
| Acinus, Atrophy | | 7 | 7 | 7 | 7 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 0 |
| Salivary Glands | | 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 |
| Parotid Gland, Atrophy | | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Stomach, Forestomach | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Stomach, Glandular | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Inflammation, Chronic | | | | | | | | | | | | | | | | | | | | | | | | | | 50 |
| Ulcer | | | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| CARDIOVASCULAR SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| Blood Vessel | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Heart | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Myocardium, Infiltration Cellular, | | | | | | | | | | | | | | | | | | | | | | | | | | 7 |
| Mononuclear Cell | | | | | | | | | | | | | | | | | | | | | | | | | | 1.3 |
| Myocardium, Mineralization | | | | | | | | | | | | | | | | | | | | | | | | | | 3 |
| ENDOCRINE SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | | | 1.7 |
| Adrenal Cortex | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |

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

+ .. Tissue examined microscopically

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Lab: BAT

| B6C3F1 MICE FEMALE
20 MG/KG | ANIMAL ID | 7 | 7 | 5 | 7 | 7 | 7 | 7 | 6 | 7 | 7 | 7 | 6 | 7 | 7 | 7 | 6 | 7 | 7 | 5 | 7 | 7 | 7 | 7 | |
|-----------------------------------|-----------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|---------|
| | | 2 | 2 | 3 | 2 | 2 | 2 | 2 | 2 | 7 | 2 | 2 | 2 | 1 | 2 | 2 | 2 | 5 | 2 | 2 | 1 | 2 | 2 | 2 | 2 |
| | | 7 | 8 | 6 | 8 | 8 | 8 | 7 | 7 | 4 | 7 | 8 | 8 | 8 | 9 | 9 | 7 | 8 | 7 | 9 | 3 | 8 | 8 | 7 | 7 |
| Angiectasis | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Hematopoietic Cell Proliferation | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Hyperplasia | | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | |
| Hypertrophy | | 7 | 7 | 7 | 7 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 0 | |
| Pigmentation | | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | |
| Subcapsular, Hyperplasia | | 2 | 2 | 2 | 2 | 2 | 2 | 1 | 2 | 2 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | |
| Adrenal Medulla | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |
| Angiectasis | | | | | | | | | | | | | | | | | | | | | | | | | 1 1.0 |
| Hyperplasia, Focal | | 1 | | 2 | | | | | | | | | | | | | | | | | | | | | 2 4 1.5 |
| Islets, Pancreatic | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |
| Hyperplasia | | | | | | | | | | | | | | | | | | | | | | | | | 1 1.0 |
| Parathyroid Gland | | M | + | + | + | M | + | + | + | M | M | + | + | + | + | M | + | + | M | M | M | M | M | 32 | |
| Pituitary Gland | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |
| Angiectasis | | | | | | | | | | | | | | | | | | | | | | | | | 1 1.0 |
| Cyst | | 1 | | | | | | | | | | | | | | | | | | | | | | | 4 1.3 |
| Fibrosis | | | | | | | | | | | | | | | | | | | | | | | | | 1 2.0 |
| Hemorrhage, Chronic | | | | | | | | | | | | | | | | | | | | | | | | | 1 2.0 |
| Pars Distalis, Hyperplasia, Focal | | 1 | | | | | | | | | | | | | | | | | | | | | | | 11 1.5 |
| Thyroid Gland | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |
| Cyst | | | | | | | | | | | | | | | | | | | | | | | | | 1 1.0 |
| Infiltration Cellular, Lymphoid | | | | | | | | | | | | | | | | | | | | | | | | | 1 3.0 |
| Inflammation, Suppurative | | | | | | | | | | | | | | | | | | | | | | | | | 2 1.0 |
| Inflammation, Chronic | | | | | | | | | | | | | | | | | | | | | | | | | 1 1.0 |
| Follicle, Hyperplasia, Focal | | | | | | | | | | | | | | | | | | | | | | | | | 6 1.5 |

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Lab: BAT

GENERAL BODY SYSTEM

NONE

GENITAL SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | |
|----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----------|--------|
| Clitoral Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |
| Ovary | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |
| Angiectasis | | | | | | | | | | | | | | | | | | | | | 2 2.5 | |
| Cyst | | | | | 1 | 2 | 2 | 2 | | | | 1 | | 3 | | | | | | | | 19 1.5 |
| Mineralization | | | | | | | | | | | | | | | | | | | | | 1 2.0 | |
| Thrombosis | | | | | | | | | | | | | | | | | | | | | 1 3.0 | |
| Follicle, Atrophy | | 2 | 4 | 1 | 1 | 2 | | 2 | 4 | | 2 | 1 | 2 | 2 | | 2 | 3 | 2 | 2 | | 29 2.3 | |
| Uterus | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |
| Angiectasis | | | | | | | | | 1 | | | | | | | | 2 | | | | 2 1.5 | |
| Inflammation, Suppurative | | | | | | | | | | | | | | | | | | | | | 1 1.0 | |
| Endometrium, Hyperplasia, Cystic | 2 | 1 | | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 1 | 2 | 2 | 1 | 2 | 1 | 1 | 1 | 2 | 1 48 1.5 | |

HEMATOPOIETIC SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|----|-----|
| Bone Marrow
Hyperplasia | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | 10 | 1.1 |
| Lymph Node
Bronchial, Hyperplasia, Lymphoid
Iliac, Necrosis | | | | | | | | | | | | | | | | | | | | | 4 | 1 | 3.0 |

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

+ .. Tissue examined microscopically

x .. Lesion present

| .. 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. 88123 - 07

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

FORMAMIDE

CAS Number: 75-12-7

Pathologist: RYAN, M. - Blackshear, P.

Date Report Reqstd: 05/04/2006

Time Report Reqstd: 11:47:08

First Dose M/F: 10/04/01 / 10/03/01

Lab: BAT

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|---------------------------|-----------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 7 | 7 | 5 | 7 | 7 | 7 | 7 | 6 | 7 | 7 | 7 | 6 | 7 | 7 | 7 | 7 | 6 | 7 | 7 | 5 | 7 | 7 | 7 | 7 | |
| | 2 | 2 | 3 | 2 | 2 | 2 | 2 | 2 | 7 | 2 | 2 | 2 | 1 | 2 | 2 | 2 | 2 | 5 | 2 | 2 | 1 | 2 | 2 | 2 | 2 |
| | 7 | 8 | 6 | 8 | 8 | 8 | 7 | 7 | 4 | 7 | 8 | 8 | 8 | 9 | 9 | 7 | 8 | 7 | 9 | 3 | 8 | 8 | 7 | 7 | |
| B6C3F1 MICE FEMALE | 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 | 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 | 3 | |
| | 7 | 7 | 7 | 7 | 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 | |
| | * TOTALS | | | | | | | | | | | | | | | | | | | | | | | | |

MUSCULOSKELETAL SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | |
|--------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-------|
| Bone Hyperostosis | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| | 2 | | | | 2 | | | | | | | | | | | | | | | | | | | 6 1.7 |
| Skeletal Muscle Fibrosis | + | | | | | | | | | | | | | | | | | | | | | | | 5 |
| | | | | | | | | | | | | | | | | | | | | | | | | 3 2.0 |

NERVOUS SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | |
|---------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-------|
| Brain Hypothalamus, Compression | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| | | | | | | | | | | | | | | | | | | | | | | | | 2 3.5 |

RESPIRATORY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--------|
| Lung Hematopoietic Cell Proliferation | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| | | | | | | | | | | | | | | | | | | | | | | | | 1 4.0 |
| Alveolar Epithelium, Hyperplasia | | | | | | | | | | | | | | | | | | | | | | | | 5 1.4 |
| Alveolus, Infiltration Cellular, Histiocyte | | | | | | | | | | | | | | | | | | | | | | | | 1 2.0 |
| Nose Inflammation, Suppurative | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| | | | | | | | | | | | | | | | | | | | | | | | | 1 1.0 |
| Nasolacrimal Duct, Infiltration Cellular, Polymorphonuclear | | | | | | | | | | | | | | | | | | | | | | | | 1 1.0 |
| Olfactory Epithelium, Atrophy, Focal | | | | | | | | | | | | | | | | | | | | | | | | 2 2.0 |
| Vomeronasal Organ, Infiltration Cellular, Polymorphonuclear | | | | | | | | | | | | | | | | | | | | | | | | 11 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

TDMS No. 88123 - 07

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

FORMAMIDE

CAS Number: 75-12-7

Pathologist: RYAN, M. - Blackshear, P.

Date Report Reqstd: 05/04/2006

Time Report Reqstd: 11:47:08

First Dose M/F: 10/04/01 / 10/03/01

Lab: BAT

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

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

SPECIAL SENSES SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|--------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|-------|
| Ear | + | | | | | | | | | | | | | | | | | | | | | | | | 2 |
| Eye | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |
| Degeneration | | | | | | | | | | | | | | | | | | | | | | | | | 1 3.0 |

URINARY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|-------------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--------|
| Kidney | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Hydronephrosis | | | | | | | | | | | | | | | | | | | | | | | | | 1 3.0 |
| Infarct | | | | | | | | | | | | | | | | | | | | | | | | | 1 1.0 |
| Infiltration Cellular, Lymphoid | | | | | | | | | | | | | | | | | | | | | | | | | 1 3.0 |
| Metaplasia, Osseous | | | | | | | | | | | | | | | | | | | | | | | | | 1 1.0 |
| Mineralization | | | | | | | | | | | | | | | | | | | | | | | | | 5 1.0 |
| Nephropathy | | | | | | | | | | | | | | | | | | | | | | | | | 23 1.0 |
| Arteriole, Inflammation, Chronic | | | | | | | | | | | | | | | | | | | | | | | | | 1 1.0 |
| Renal Tubule, Accumulation, Hyaline | | | | | | | | | | | | | | | | | | | | | | | | | 2 2.5 |
| Droplet | | | | | | | | | | | | | | | | | | | | | | | | | |
| 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

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TDMS No. 88123 - 07

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

FORMAMIDE

CAS Number: 75-12-7

Pathologist: RYAN, M. - Blackshear, P

Date Report Registered: 05/04/2006

Time Report Requested: 11:47:08

First Dose M/F: 10/04/01 / 10/03/01

Lab: BAT

| DAY ON TEST | 7 | 4 | 7 | 7 | 4 | 7 | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
|---------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 2 | 0 | 2 | 2 | 9 | 0 | 2 | 1 | 2 | 2 | 2 | 1 | 2 | 2 | 2 | 9 | 2 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| | 8 | 7 | 8 | 8 | 7 | 2 | 8 | 8 | 7 | 7 | 8 | 3 | 7 | 7 | 7 | 8 | 9 | 0 | 8 | 8 | 9 | 8 | 8 | 8 | 8 |
| B6C3F1 MICE FEMALE | 0 | 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 |
| 40 MG/KG | 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 | 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 |

ALIMENTARY 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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TDMS No. 88123 - 07

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Date Report Reqstd: 05/04/2006

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First Dose M/F: 10/04/01 / 10/03/01

Lab: BAT

| B6C3F1 MICE FEMALE
40 MG/KG | ANIMAL ID | Day on Test | | | | | | | | | | | | | | | | | | | | | females
(cont...) | |
|----------------------------------|-----------|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----------------------|---|
| | | 7 | 4 | 7 | 7 | 4 | 7 | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | |
| | | 2 | 0 | 2 | 2 | 9 | 0 | 2 | 1 | 2 | 2 | 1 | 2 | 2 | 2 | 9 | 2 | 1 | 2 | 2 | 2 | 2 | 2 | |
| | | 8 | 7 | 8 | 8 | 7 | 2 | 8 | 8 | 7 | 7 | 8 | 3 | 7 | 7 | 7 | 8 | 9 | 0 | 8 | 8 | 9 | 8 | 8 |
| Eosinophilic Focus | | X | | X | X | | | | | | | | | | | | | | | | | | | |
| Fatty Change | | | | | | | | | | | | | | | | | | | | | | | | |
| Hematopoietic Cell Proliferation | | | | | | | | | | | | | | | | | | | | | | | | |
| Infarct | | | | | | | | | | | | | | | | | | | | | | | | |
| Inflammation, Chronic | | 1 | | 1 | | | | | | | | | | | | | | | | | | | | |
| Mixed Cell Focus | | | | | | | | | | | | | | | | | | | | | | | | |
| Tension Lipidosis | | | | | | | | | | | | | | | | | | | | | | | | |
| Centrilobular, Necrosis | | | | | | | | | | | | | | | | | | | | | | | | |
| <hr/> | | | | | | | | | | | | | | | | | | | | | | | | |
| Mesentery | | | | | | | | | | | | | | | | | | | | | | | | |
| Fat, Necrosis | | | | | | | | | | | | | | | | | | | | | | | | |
| Pancreas | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Hyperplasia, Lymphoid | | | | | | | | | | | | | | | | | | | | | | | | |
| Inflammation, Chronic | | | | | | | | | | | | | | | | | | | | | | | | |
| Acinus, Atrophy | | | | | | | | | | | | | | | | | | | | | | | | |
| Artery, Thrombosis | | | | | | | | | | | | | | | | | | | | | | | | |
| Duct, Cyst | | | | | | | | | | | | | | | | | | | | | | | | |
| Duct, Inflammation, Chronic | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | |
| Salivary Glands | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Parotid Gland, Atrophy | | | | | | | | | | | | | | | | | | | | | | | | |
| Stomach, Forestomach | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Stomach, Glandular | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |

CARDIOVASCULAR SYSTEM

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

+ .. Tissue examined microscopically

x .. Lesion present

l .. Insufficient tissue

M .. Missing tissue

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FORMAMIDE

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Date Report Registered: 05/04/2006

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First Dose M/F: 10/04/01 / 10/03/01

Lab: BAT

females (cont...)

Atrium, Thrombosis
Myocardium, Infiltration Cellular,
Mononuclear Cell
Myocardium, Mineralization
Myocardium, Necrosis

ENDOCRINE SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Adrenal Cortex | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Hypertrophy | | | | | | | | 1 | | | | | | | | | | | | | | | | | | |
| Vacuolization Cytoplasmic, Focal | | | | | | | | 1 | | | | | | | | | | | | | | | | | | 1 |
| Subcapsular, Hyperplasia | 2 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 1 | 2 | 1 | 1 | 2 | 1 | 2 | 1 | 2 | 2 | 2 | |

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

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

+ .. Tissue examined microscopically

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Page 106

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TDMS No. 88123 - 07

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| DAY ON TEST | 7 | 4 | 7 | 7 | 4 | 7 | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
|---------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 2 | 0 | 2 | 2 | 9 | 0 | 2 | 1 | 2 | 2 | 1 | 2 | 2 | 2 | 2 | 9 | 2 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| | 8 | 7 | 8 | 8 | 7 | 2 | 8 | 8 | 7 | 7 | 8 | 3 | 7 | 7 | 7 | 8 | 9 | 0 | 8 | 8 | 9 | 8 | 8 | 8 | 8 |
| B6C3F1 MICE FEMALE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 40 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 |
| | 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 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2 |
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 |

females
(cont...)

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Thyroid Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Cyst | | | | | | | | | | | | | | | | | | | | | | | | | |
| Inflammation, Chronic | | | | | | | | | | | | | | | | | | | | | | | | | |
| Follicle, Hyperplasia, Focal | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 2 | | | | | | | | | | | | | | | | | | | | | | | | 1 |

GENERAL BODY SYSTEM

NONE

GENITAL SYSTEM

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

HEMATOPOIETIC SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Bone Marrow | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Hyperplasia | | | | | | | | | | | | | | | | | | | | | | | | | 1 |

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

+ .. Tissue examined microscopically

x .. Lesion present

l .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

TDMS No. 88123 - 07

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

FORMAMIDE

CAS Number: 75-12-7

Pathologist: RYAN, M. - Blackshear, P.

Date Report Reqstd: 05/04/2006

Time Report Reqstd: 11:47:08

First Dose M/F: 10/04/01 / 10/03/01

Lab: BAT

| DAY ON TEST | 7 | 4 | 7 | 7 | 4 | 7 | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 6 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | |
|---------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 2 | 0 | 2 | 2 | 9 | 0 | 2 | 1 | 2 | 2 | 2 | 1 | 2 | 2 | 2 | 9 | 2 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| | 8 | 7 | 8 | 8 | 7 | 2 | 8 | 8 | 7 | 7 | 8 | 3 | 7 | 7 | 7 | 8 | 9 | 0 | 8 | 8 | 9 | 8 | 8 | 8 | 8 | 8 | |
| B6C3F1 MICE FEMALE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 40 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 | |
| | 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 | 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 | | |

**females
(cont...)**

Alveolar Epithelium, Hyperplasia
Alveolus, Infiltration Cellular, Histiocyte
Vein, Thrombosis

1

2

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Nose | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Inflammation, Chronic | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Glands, Inflammation, Suppurative | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Nasolacrimal Duct, Infiltration Cellular,
Polymorphonuclear | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Olfactory Epithelium, Atrophy, Focal | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Respiratory Epithelium, Necrosis | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Vomeronasal Organ, Infiltration Cellular,
Polymorphonuclear | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Pleura | | | | | | | | | | | | | | | | | | | | + | | | | | | |
| Trachea | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |

SPECIAL SENSES SYSTEM

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

URINARY SYSTEM

| | | |
|--|---------------------------------------|-----------------------------|
| * .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade | M .. Missing tissue | 1-4 .. Lesion qualified as: |
| + .. Tissue examined microscopically | A .. Autolysis precludes evaluation | 1) Minimal 3) Moderate |
| x .. Lesion present | BLANK .. Not examined microscopically | 2) Mild 4) Marked |
| I .. Insufficient tissue | Page 110 | |

TDMS No. 88123 - 07

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Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

FORMAMIDE

CAS Number: 75-12-7

Pathologist: RYAN, M. - Blackshear, P.

Date Report Reqstd: 05/04/2006

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First Dose M/F: 10/04/01 / 10/03/01

Lab: BAT

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|---------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 7 | 4 | 7 | 7 | 4 | 7 | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| | 2 | 0 | 2 | 2 | 9 | 0 | 2 | 1 | 2 | 2 | 1 | 2 | 2 | 2 | 9 | 2 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| | 8 | 7 | 8 | 8 | 7 | 2 | 8 | 8 | 7 | 7 | 8 | 3 | 7 | 7 | 7 | 8 | 9 | 0 | 8 | 8 | 9 | 8 | 8 | 8 | 8 |
| B6C3F1 MICE FEMALE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 40 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 |
| | 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 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 |

**females
(cont...)**

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|---------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Kidney | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Infarct | | | | | | | | | | | | | | | | | | | | | | | | | |
| Metaplasia, Osseous | | | | | | | | | | | | | | | | | | | | | | | | | |
| Mineralization | | | | | | | | | | | | | | | | | | | | | | | | | |
| Nephropathy | 1 | 1 | | 1 | 1 | 1 | | 1 | | | | | | | | | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Urinary Bladder | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |

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

+ .. Tissue examined microscopically

x .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

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ALIMENTARY SYSTEM

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| B6C3F1 MICE FEMALE
40 MG/KG | ANIMAL ID | DAY ON TEST | | | | | | | | | | | | | | | | | | | | | | | | * TOTALS | |
|----------------------------------|-----------|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----------|---------|
| | | 7 | 7 | 7 | 7 | 7 | 0 | 6 | 7 | 7 | 6 | 7 | 7 | 6 | 6 | 7 | 4 | 7 | 7 | 4 | 7 | 5 | 7 | 7 | 5 | 7 | |
| | | 2 | 2 | 2 | 0 | 2 | 0 | 6 | 2 | 2 | 9 | 2 | 2 | 7 | 1 | 2 | 7 | 2 | 2 | 0 | 2 | 8 | 0 | 2 | 4 | 2 | |
| | | 8 | 8 | 7 | 0 | 7 | 6 | 5 | 7 | 7 | 8 | 8 | 8 | 5 | 8 | 9 | 1 | 8 | 7 | 1 | 8 | 7 | 9 | 8 | 9 | 8 | |
| Eosinophilic Focus | | X | X | | | | | | | | | | | | | | | | | | | | | | | | 8 |
| Fatty Change | | | | | | | | | | | | | | | | | | | | | | | | | | | 4 1.0 |
| Hematopoietic Cell Proliferation | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 1.0 |
| Infarct | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 3.0 |
| Inflammation, Chronic | | 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 | 21 1.0 |
| Mixed Cell Focus | | X | X | | | | | | | | | | | | | | | | | | | | | | | | 4 |
| Tension Lipidosis | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 5 1.0 |
| Centrilobular, Necrosis | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 2.0 |
| Mesentery | | + | + | | | | | | | | | | | | | | | | | | | | | | | | 8 |
| Fat, Necrosis | | 2 | 3 | | | | | | | | | | | | | | | | | | | | | | | | 8 2.4 |
| Pancreas | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |
| Hyperplasia, Lymphoid | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 2.0 |
| Inflammation, Chronic | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 1.0 |
| Acinus, Atrophy | | | | | | | | | | | | | | | | | | | | | | | | | | | 3 1.3 |
| Artery, Thrombosis | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 3.0 |
| Duct, Cyst | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 3.0 |
| Duct, Inflammation, Chronic | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 1.0 |
| Salivary Glands | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |
| Parotid Gland, Atrophy | | 3 | | | | | | | | | | | | | | | | | | | | | | | | | 1 3.0 |
| Stomach, Forestomach | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |
| Stomach, Glandular | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |

CARDIOVASCULAR SYSTEM

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| B6C3F1 MICE FEMALE
40 MG/KG | ANIMAL ID | DAY ON TEST | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|-----------|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|--|-------|
| | | 7 | 7 | 7 | 7 | 7 | 0 | 6 | 7 | 7 | 6 | 7 | 7 | 6 | 6 | 7 | 4 | 7 | 7 | 4 | 7 | 5 | 7 | 7 | 5 | 7 | | |
| | | 2 | 2 | 2 | 0 | 2 | 0 | 6 | 2 | 2 | 9 | 2 | 2 | 7 | 1 | 2 | 7 | 2 | 2 | 0 | 2 | 8 | 0 | 2 | 4 | 2 | | |
| | | 8 | 8 | 7 | 0 | 7 | 6 | 5 | 7 | 7 | 8 | 8 | 8 | 5 | 8 | 9 | 1 | 8 | 7 | 1 | 8 | 7 | 9 | 8 | 9 | 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 | 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 | | |
| | | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | | |
| | | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | | |
| | | * TOTALS | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Blood Vessel | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | | |
| Heart | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | | |
| Atrium, Thrombosis | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 2.0 |
| Myocardium, Infiltration Cellular,
Mononuclear Cell | | | | | | | | | | | | | | | | | | | | | | | | | | | | 4 1.0 |
| Myocardium, Mineralization | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 2.0 |
| Myocardium, Necrosis | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 1.0 |

ENDOCRINE SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-------------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|--------|
| Adrenal Cortex | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49 | |
| Hypertrophy | | | | | | | | | | | | | | | | | | | | | | | | | | | 4 1.0 |
| Vacuolization Cytoplasmic, Focal | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 1.0 |
| Subcapsular, Hyperplasia | 1 | 2 | 2 | 2 | 2 | | 2 | 2 | 1 | 2 | 2 | 3 | 2 | 1 | 3 | 2 | 2 | 2 | 2 | 2 | 3 | 2 | 2 | 2 | 1 | 2 | 48 1.8 |
| Adrenal Medulla | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |
| Hyperplasia, Focal | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 2.0 |
| Islets, Pancreatic | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |
| Hyperplasia | | | | | | | | | | | | | | | | | | | | | | | | | | | 4 1.0 |
| Parathyroid Gland | + | M | + | + | M | + | M | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | M | + | M | 35 | |
| Pituitary Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49 | |
| Pars Distalis, Hyperplasia, Focal | | | | | | | | | | | | | | | | | | | | | | | | | | | 10 1.6 |
| Pars Intermedia, Hyperplasia, Focal | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | 1 2.0 |

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

+ .. Tissue examined microscopically

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|---------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 2 | 2 | 2 | 0 | 2 | 0 | 6 | 2 | 2 | 9 | 2 | 2 | 7 | 1 | 2 | 7 | 2 | 2 | 0 | 2 | 8 | 0 | 2 | 4 | 2 |
| | 8 | 8 | 7 | 0 | 7 | 6 | 5 | 7 | 7 | 8 | 8 | 8 | 5 | 8 | 9 | 1 | 8 | 7 | 1 | 8 | 7 | 9 | 8 | 9 | 8 |
| B6C3F1 MICE FEMALE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 40 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 |
| | 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 |
| | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 5 |
| | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 |

*** TOTALS**

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--------|
| Thyroid Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Cyst | | | | | | | | | | | | | | | | | | | | | | | | | 2 1.0 |
| Inflammation, Chronic | | | | | | | | | | | | | | | | | | | | | | | | | 1 1.0 |
| Follicle, Hyperplasia, Focal | 2 | | | | | | | | | | | | | | | | | | | | | | | | 10 1.3 |

GENERAL BODY SYSTEM

NONE

GENITAL SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--------|--------|
| Clitoral Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49 |
| Ovary | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Angiectasis | | | | | | | | | | | | | | | | | | | | | | | | | 1 2.0 |
| Cyst | | | | | | | | | | | | | | | | | | | | | | | | | 11 1.6 |
| Thrombosis | | | | | | | | | | | | | | | | | | | | | | | | | 2 4.0 |
| Follicle, Atrophy | 2 | 1 | 2 | | | | 2 | | | 4 | 2 | 2 | 3 | 3 | 3 | 4 | 1 | 2 | 3 | 3 | 1 | 3 | | 35 2.2 | |
| Uterus | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Angiectasis | | | | | | | | | | | | | | | | | | | | | | | | | 2 2.5 |
| Thrombosis | | | | | | | | | | | | | | | | | | | | | | | | | 1 4.0 |
| Endometrium, Hyperplasia, Cystic | 2 | 1 | 1 | 2 | 1 | | 2 | 1 | 1 | 1 | 1 | 2 | 3 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 1 | 2 | 1 | | 45 1.6 |

HEMATOPOIETIC SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--------|
| Bone Marrow | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Hyperplasia | | | | | | | | | | | | | | | | | | | | | | | | | 13 1.1 |

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

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|---------------------------|-----------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 2 | 2 | 2 | 0 | 2 | 0 | 6 | 2 | 2 | 9 | 2 | 2 | 7 | 1 | 2 | 7 | 2 | 2 | 0 | 2 | 8 | 0 | 2 | 4 | 2 |
| | 8 | 8 | 7 | 0 | 7 | 6 | 5 | 7 | 7 | 8 | 8 | 8 | 5 | 8 | 9 | 1 | 8 | 7 | 1 | 8 | 7 | 9 | 8 | 9 | 8 |
| B6C3F1 MICE FEMALE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 40 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 |
| | 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 |
| | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 5 |
| | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 |
| | * TOTALS | | | | | | | | | | | | | | | | | | | | | | | | |

| | | | | | | | | | | | | | | | | | | | | | | | | |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|----|-----|
| Lymph Node
Mediastinal, Inflammation, Chronic | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 6 | 1 | 3.0 |
| Lymph Node, Mandibular
Atrophy | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | 6 | 1.7 |
| Hyperplasia, Lymphoid | | | | | | | | | | | | | | | | | | | | | | | 5 | 2.6 |
| Necrosis, Lymphoid | | | | | | | | | | | | | | | | | | | | | | | 1 | 3.0 |
| Lymph Node, Mesenteric
Atrophy | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49 | 8 | 1.5 |
| Hyperplasia, Lymphoid | | | | | | | | | | | | | | | | | | | | | | | 4 | 2.3 |
| Infiltration Cellular, Polymorphonuclear | | | | | | | | | | | | | | | | | | | | | | | 1 | 2.0 |
| Necrosis, Lymphoid | | | | | | | | | | | | | | | | | | | | | | | 1 | 2.0 |
| Spleen
Atrophy | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49 | 1 | 2.0 |
| Hematopoietic Cell Proliferation | | | | | | | | | | | | | | | | | | | | | | | 15 | 2.7 |
| Hyperplasia, Plasma Cell | | | | | | | | | | | | | | | | | | | | | | | 1 | 2.0 |
| Thymus
Atrophy | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49 | 12 | 2.5 |
| Cyst | 1 | 1 | | | | | | | | | | | | | | | | | | | | | 7 | 1.0 |
| Hyperplasia, Lymphoid | | | | | | | | | | | | | | | | | | | | | | | 7 | 2.0 |
| Necrosis, Lymphoid | | | | | | | | | | | | | | | | | | | | | | | 2 | 1.0 |

INTEGUMENTARY SYSTEM

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

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

+ .. Tissue examined microscopically

x .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

TDMS No. 88123 - 07

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

FORMAMIDE

CAS Number: 75-12-7

Pathologist: RYAN, M. - Blackshear, P.

Date Report Reqstd: 05/04/2006

Time Report Reqstd: 11:47:08

First Dose M/F: 10/04/01 / 10/03/01

Lab: BAT

| DAY ON TEST | 7 | 7 | 7 | 7 | 7 | 0 | 6 | 7 | 7 | 6 | 7 | 7 | 6 | 6 | 7 | 4 | 7 | 7 | 4 | 7 | 5 | 7 | 7 | 5 | 7 |
|---------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 2 | 2 | 2 | 0 | 2 | 0 | 6 | 2 | 2 | 9 | 2 | 2 | 7 | 1 | 2 | 7 | 2 | 2 | 0 | 2 | 8 | 0 | 2 | 4 | 2 |
| | 8 | 8 | 7 | 0 | 7 | 6 | 5 | 7 | 7 | 8 | 8 | 8 | 5 | 8 | 9 | 1 | 8 | 7 | 1 | 8 | 7 | 9 | 8 | 9 | 8 |
| B6C3F1 MICE FEMALE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 40 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 |
| | 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 |
| | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 5 |
| | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 |

*** TOTALS**

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-------|
| Skin | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Cyst Epithelial Inclusion | | | | | | | | | | | | | | | | | | | | | | | | | 1 1.0 |
| Inflammation, Granulomatous | | | | | | | | | | | | | | | | | | | | | | | | | 1 3.0 |
| Ulcer | | | | | | | | | | | | | | | | | | | | | | | | | 2 3.0 |

MUSCULOSKELETAL SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---------|
| Bone | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Hyperostosis | | | | | | | | | | | | | | | | | | | | | | | | | 3 1.3 |
| Skeletal Muscle | | | | | | | | | | | | | | | | | | | | | | | | | 5 1 1.0 |
| Inflammation, Chronic | | | | | | | | | | | | | | | | | | | | | | | | | |

NERVOUS SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---------|
| Brain | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Hypothalamus, Compression | | | | | | | | | | | | | | | | | | | | | | | | | 1 3.0 |
| Meninges, Infiltration Cellular, Lymphocyte | | | | | | | | | | | | | | | | | | | | | | | | | 2 1 2.0 |

RESPIRATORY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|---------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-------|
| Larynx | | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| Lung | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Metaplasia, Osseous | | | | | | | | | | | | | | | | | | | | | | | | | 1 1.0 |
| Necrosis | | | | | | | | | | | | | | | | | | | | | | | | | 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:

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TDMS No. 88123 - 07

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

FORMAMIDE

CAS Number: 75-12-7

Pathologist: RYAN, M. - Blackshear, P.

Date Report Reqstd: 05/04/2006

Time Report Reqstd: 11:47:08

First Dose M/F: 10/04/01 / 10/03/01

Lab: BAT

| B6C3F1 MICE FEMALE
40 MG/KG | ANIMAL ID | 7 | 7 | 7 | 7 | 7 | 0 | 6 | 7 | 7 | 6 | 7 | 6 | 6 | 7 | 4 | 7 | 7 | 4 | 7 | 5 | 7 | 7 | 5 | 7 | |
|---|-----------|----------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 2 | 2 | 2 | 0 | 2 | 0 | 6 | 2 | 2 | 9 | 2 | 2 | 7 | 1 | 2 | 7 | 2 | 2 | 0 | 2 | 8 | 0 | 2 | 4 | 2 |
| | | 8 | 8 | 7 | 0 | 7 | 6 | 5 | 7 | 7 | 8 | 8 | 8 | 5 | 8 | 9 | 1 | 8 | 7 | 1 | 8 | 7 | 9 | 8 | 9 | 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 | 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 | |
| | | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | |
| | | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | |
| | | * TOTALS | | | | | | | | | | | | | | | | | | | | | | | | |
| Alveolar Epithelium, Hyperplasia | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Alveolus, Infiltration Cellular, Histiocyte | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Vein, Thrombosis | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Nose | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Inflammation, Chronic | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Glands, Inflammation, Suppurative | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Nasolacrimal Duct, Infiltration Cellular, | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Polymorphonuclear | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Olfactory Epithelium, Atrophy, Focal | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Respiratory Epithelium, Necrosis | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Vomeronasal Organ, Infiltration Cellular, | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Polymorphonuclear | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Pleura | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Trachea | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | |

SPECIAL SENSES SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|--|-------|
| Ear | + | | | | | | | | | | | | | | | | | | | | | | | | | | 2 |
| Eye | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49 | | |
| Harderian Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | | |
| Hyperplasia, Focal | | | | | | | | | | | | | | | | | | | | | | | | | | | 3 1.7 |

URINARY SYSTEM

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

+ .. Tissue examined microscopically

x .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

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TDMS No. 88123 - 07

Test Type: CHRONIC

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Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

FORMAMIDE

CAS Number: 75-12-7

Pathologist: RYAN, M. - Blackshear, P.

Date Report Reqstd: 05/04/2006

Time Report Reqstd: 11:47:08

First Dose M/F: 10/04/01 / 10/03/01

Lab: BAT

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|---------------------------|-----------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 7 | 7 | 7 | 7 | 7 | 0 | 6 | 7 | 7 | 6 | 7 | 6 | 6 | 7 | 4 | 7 | 7 | 4 | 7 | 5 | 7 | 7 | 5 | 7 | |
| | 2 | 2 | 2 | 0 | 2 | 0 | 6 | 2 | 2 | 9 | 2 | 2 | 7 | 1 | 2 | 7 | 2 | 2 | 0 | 2 | 8 | 0 | 2 | 4 | 2 |
| | 8 | 8 | 7 | 0 | 7 | 6 | 5 | 7 | 7 | 8 | 8 | 8 | 5 | 8 | 9 | 1 | 8 | 7 | 1 | 8 | 7 | 9 | 8 | 9 | 8 |
| B6C3F1 MICE FEMALE | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 0 | 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 |
| | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 5 |
| | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 |
| | * TOTALS | | | | | | | | | | | | | | | | | | | | | | | | |

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|---------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|-----|
| Kidney | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |
| Infarct | | | | | | | | | | | | | | | | | | | | | | | | 1 | 2.0 |
| Metaplasia, Osseous | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1.0 |
| Mineralization | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1.0 |
| Nephropathy | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 28 | 1.0 |
| Urinary Bladder | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |

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

+ .. Tissue examined microscopically

x .. Lesion present

l .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

Page 119

1-4 .. Lesion qualified as:

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TDMS No. 88123 - 07

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Date Report Registered: 05/04/2006

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First Dose M/F: 10/04/01 / 10/03/01

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ALIMENTARY SYSTEM

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First Dose M/F: 10/04/01 / 10/03/01

Lab: BAT

| DAY ON TEST | 7 | 7 | 7 | 7 | 7 | 7 | 6 | 6 | 7 | 7 | 7 | 6 | 6 | 7 | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 5 | 7 | | |
|---------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 2 | 2 | 2 | 2 | 2 | 2 | 5 | 6 | 2 | 2 | 2 | 2 | 9 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 9 | 2 |
| | 7 | 7 | 9 | 7 | 8 | 8 | 7 | 0 | 7 | 7 | 9 | 6 | 3 | 8 | 8 | 3 | 8 | 8 | 9 | 7 | 7 | 7 | 7 | 9 | 0 | 7 |
| B6C3F1 MICE FEMALE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 80 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 |
| | 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 |
| | 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 |
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | |

**females
(cont...)**

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Blood Vessel | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Heart | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Atrium, Thrombosis | | | | | | | | | | | | | | | | | | | | | | | | | |
| Myocardium, Infiltration Cellular,
Mononuclear Cell | | | | | | | | | | | | | | | | | | | | | | | | | |
| Ventricle, Thrombosis | | | | | | | | | | | | | | | | | | | | | | | | | |

ENDOCRINE SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|-------------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Adrenal Cortex | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Atrophy | | | | | | | | | | | | | | | | | | | | | | | | | |
| Hyperplasia | | | | | | | | | | | | | | | | | | | | | | | | | |
| Subcapsular, Hyperplasia | 1 | 1 | 2 | 2 | 2 | 1 | 2 | 1 | 1 | 2 | 2 | 2 | 2 | 1 | 2 | 1 | 2 | 2 | 1 | 2 | 3 | 2 | 2 | 1 | |
| Adrenal Medulla | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Hyperplasia, Focal | | | | | | | | | | | | | | | | | | | | | | | | | |
| Islets, Pancreatic | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Parathyroid Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Cyst | | | | | | | | | | | | | | | | | | | | | | | | | |
| Pituitary Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Cyst | | | | | | | | | | | | | | | | | | | | | | | | | |
| Pars Distalis, Hyperplasia, Focal | 2 | | 2 | | | | | | | | | | | | | | | | | | | | | | |
| Pars Intermedia, Hyperplasia, Focal | | | | | | | | | | | | | | | | | | | | | | | | | |

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

+ .. Tissue examined microscopically

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Lab: BAT

| B6C3F1 MICE FEMALE
80 MG/KG | ANIMAL ID | Day On Test | | | | | | | | | | | | | | | | | | | | | | | | | |
|----------------------------------|-----------|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 7 | 7 | 7 | 7 | 7 | 7 | 6 | 6 | 7 | 7 | 7 | 6 | 6 | 7 | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 5 | 7 | |
| | | 2 | 2 | 2 | 2 | 2 | 2 | 5 | 6 | 2 | 2 | 2 | 2 | 9 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 9 | 2 |
| | | 7 | 7 | 9 | 7 | 8 | 8 | 7 | 0 | 7 | 7 | 9 | 6 | 3 | 8 | 8 | 3 | 8 | 8 | 9 | 7 | 7 | 7 | 7 | 9 | 0 | 7 |
| Bone Marrow | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Atrophy | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Hyperplasia | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Lymph Node | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Lymph Node, Mandibular | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Atrophy | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Hyperplasia, Lymphoid | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Lymph Node, Mesenteric | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Atrophy | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Hyperplasia, Lymphoid | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Inflammation, Suppurative | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Spleen | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Atrophy | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Hematopoietic Cell Proliferation | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Hyperplasia, Lymphoid | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Lymphoid Follicle, Hyperplasia | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Lymphoid Follicle, Necrosis | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Thymus | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Angiectasis | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Atrophy | | 2 | 1 | 2 | 4 | 4 | 2 | 2 | 4 | 4 | 2 | 2 | 4 | 4 | 2 | 4 | 4 | 1 | 2 | 1 | | | | | | | |
| Hyperplasia, Lymphoid | | | | | | | | | | | | | | | | | | | | | | | | | | | |

INTEGUMENTARY 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

TDMS No. 88123 - 07

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

FORMAMIDE

CAS Number: 75-12-7

Pathologist: RYAN, M. - Blackshear, P.

Date Report Reqstd: 05/04/2006

Time Report Reqstd: 11:47:08

First Dose M/F: 10/04/01 / 10/03/01

Lab: BAT

| | | | | | | | | | | | | | | | | | | | | | | | | |
|---------------------------|------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------------|
| | DAY ON TEST | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 5 | 7 | 6 | 7 | 7 | 7 |
| | | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 9 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 6 | 2 | 1 | 2 | 2 | 2 |
| | | 8 | 9 | 9 | 8 | 8 | 9 | 7 | 7 | 7 | 4 | 9 | 7 | 7 | 9 | 8 | 7 | 7 | 3 | 7 | 7 | 3 | 7 | 8 |
| B6C3F1 MICE FEMALE | 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 |
| 80 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 |
| | | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 4 |
| | | 7 | 7 | 7 | 7 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 0 |
| | | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| | | | | | | | | | | | | | | | | | | | | | | | | * TOTALS |

ALIMENTARY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|------------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--------------|---------------|
| Esophagus | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |
| Gallbladder | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49 | |
| Epithelium, Cytoplasmic Alteration | | 2 | | | | | | | | | | | | | | | | | | | | | | 1 2.0 | |
| Intestine Large, Cecum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |
| Intestine Large, Colon | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |
| Intestine Large, Rectum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |
| Intestine Small, Duodenum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |
| Intestine Small, Ileum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |
| Intestine Small, Jejunum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |
| Epithelium, Hyperplasia, Focal | | | | | | | | | | | | | | | | | | | 2 | | | | | 1 2.0 | |
| Liver | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |
| Basophilic Focus | | | | | | | | | | | | | | | | | | | | | | | | 2 | |
| Clear Cell Focus | | | | | | | | | | | | | | | | | | | | | | | | 2 | |
| Eosinophilic Focus | | | | | | | | | | | | | | | | | | | | | | | | 7 | |
| Fatty Change | | | | | | | | | | | | | | | | | | | | | | | | 2 1.5 | |
| Hematopoietic Cell Proliferation | | | | | | | | | | | | | | | | | | | | | | | | 1 1.0 | |
| Inflammation, Chronic | 1 | | | | 1 | | | 1 | | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 21 1.0 |

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

+ .. Tissue examined microscopically

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l .. Insufficient tissue

M .. Missing tissue

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Lab: BAT

| B6C3F1 MICE FEMALE
80 MG/KG | ANIMAL ID | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 5 | 7 | 6 | 7 | 7 | 7 | | |
|--|-----------|----------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-------|
| | | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 9 | 2 | 2 | 2 | 2 | 2 | 2 | 6 | 2 | 1 | 2 | 2 | 2 | 2 | |
| | | 8 | 9 | 9 | 8 | 8 | 9 | 7 | 7 | 7 | 4 | 9 | 7 | 7 | 9 | 8 | 7 | 7 | 3 | 7 | 7 | 3 | 7 | |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 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 | 4 | |
| | | 7 | 7 | 7 | 7 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 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 | |
| | | * TOTALS | | | | | | | | | | | | | | | | | | | | | | |
| Mineralization | | X | | | | | | | | | | | | | | | | | | | | | | 1 2.0 |
| Mixed Cell Focus | | | | | | | | | | | | | | | | | | | | | | | | 6 |
| Necrosis | | | | | | | | | | | | | | | | | | | | | | | | 2 2.0 |
| Tension Lipidosis | | | | | | | | | | | | | | | | | | | | | | | | 6 1.0 |
| Mesentery | | | | | | | | | | | | | | | | | | | | | | | | 2 |
| Fat, Necrosis | | | | | | | | | | | | | | | | | | | | | | | | 2 2.0 |
| Pancreas | | + | | | | | | | | | | | | | | | | | | | | | | 50 |
| Acinus, Atrophy | | X | | | | | | | | | | | | | | | | | | | | | | 2 1.0 |
| Acinus, Cytoplasmic Alteration | | | | | | | | | | | | | | | | | | | | | | | | 1 2.0 |
| Duct, Cyst | | | | | | | | | | | | | | | | | | | | | | | | 3 1.7 |
| Duct, Cytoplasmic Alteration | | | | | | | | | | | | | | | | | | | | | | | | 1 2.0 |
| Salivary Glands | | + | | | | | | | | | | | | | | | | | | | | | | 50 |
| Atrophy, Diffuse | | X | | | | | | | | | | | | | | | | | | | | | | 1 2.0 |
| Stomach, Forestomach | | + | | | | | | | | | | | | | | | | | | | | | | 50 |
| Epithelium, Hyperplasia | | X | | | | | | | | | | | | | | | | | | | | | | 1 1.0 |
| Stomach, Glandular | | + | | | | | | | | | | | | | | | | | | | | | | 50 |
| Inflammation, Chronic | | | | | | | | | | | | | | | | | | | | | | | | 1 1.0 |
| Epithelium, Glands, Cytoplasmic Alteration | | | | | | | | | | | | | | | | | | | | | | | | 1 2.0 |
| Epithelium, Glands, Hyperplasia | | | | | | | | | | | | | | | | | | | | | | | | 1 2.0 |
| Tooth | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| Malformation | | | | | | | | | | | | | | | | | | | | | | | | 1 2.0 |

CARDIOVASCULAR SYSTEM

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

+ .. Tissue examined microscopically

x .. Lesion present

l .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

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|--------------------------------|-----------|----------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 9 | 2 | 2 | 2 | 2 | 2 | 2 | 6 | 2 | 1 | 2 | 2 | 2 | 2 |
| | | 8 | 9 | 9 | 8 | 8 | 9 | 7 | 7 | 7 | 4 | 9 | 7 | 7 | 9 | 8 | 7 | 7 | 3 | 7 | 7 | 3 | 7 |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 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 | 4 |
| | | 7 | 7 | 7 | 7 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 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 |
| | | * TOTALS | | | | | | | | | | | | | | | | | | | | | |

| | | | | | | | | | | | | | | | | | | | | | | | |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-------|
| Blood Vessel | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Heart | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Atrium, Thrombosis | | | | | | | | | | | | | | | | | | | | | | | 1 4.0 |
| Myocardium, Infiltration Cellular,
Mononuclear Cell | | | | | | | | | | | | | | | | | | | | | | | 3 1.0 |
| Ventricle, Thrombosis | | | | | | | | | | | | | | | | | | | | | | | 1 2.0 |

ENDOCRINE SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | |
|-------------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--------|--------|
| Adrenal Cortex | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |
| Atrophy | | | | | | | | | | | | | | | | | | | | | | | 1 2.0 | |
| Hyperplasia | | | | | | | | | | | | | | | | | | | | | | | 1 1.0 | |
| Subcapsular, Hyperplasia | 2 | 2 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 1 | 2 | 2 | 2 | 2 | 49 1.8 | |
| Adrenal Medulla | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |
| Hyperplasia, Focal | | | | | | | | | | | | | | | | | | | | | | | 2 1.0 | |
| Islets, Pancreatic | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |
| Parathyroid Gland | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | M | + | M | M | 42 | |
| Cyst | | | | | | | | | | | | | | | | | | | | | | | 2 1.0 | |
| Pituitary Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |
| Cyst | | | | | | | | | | | | | | | | | | | | | | | 1 1.0 | |
| Pars Distalis, Hyperplasia, Focal | 3 | | | | | | | 2 | | | 1 | | | | | 1 | | 1 | | | | | | 10 1.6 |
| Pars Intermedia, Hyperplasia, Focal | | | | | | | | | | | | | | | | | | | | | | | 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

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First Dose M/F: 10/04/01 / 10/03/01

Lab: BAT

| DAY ON TEST | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 5 | 7 | 6 | 7 | 7 | 7 | |
|---------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------------|
| | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 9 | 2 | 2 | 2 | 2 | 2 | 2 | 6 | 2 | 1 | 2 | 2 | 2 | 2 |
| | 8 | 9 | 9 | 8 | 8 | 9 | 7 | 7 | 7 | 4 | 9 | 7 | 7 | 9 | 8 | 7 | 7 | 3 | 7 | 7 | 3 | 7 | 8 |
| B6C3F1 MICE FEMALE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 80 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 |
| | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 4 |
| | 7 | 7 | 7 | 7 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 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 |
| | | | | | | | | | | | | | | | | | | | | | | | * TOTALS |

| | | | | | | | | | | | | | | | | | | | | | | | | |
|------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|--------------|
| Thyroid Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |
| Inflammation, Granulomatous | | | | | | | | | | | | | | | | | | | | | | | | 1 1.0 |
| Follicle, Hyperplasia, Focal | 2 | | | | | | | | | | | | | | | | | | | | | | | 5 1.4 |

GENERAL BODY SYSTEM

NONE

GENITAL SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | |
|----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--------|---------------|
| Clitoral Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |
| Duct, Cyst | | | | | | | | | | | | | | | | | | | | | | | | 1 2.0 |
| Ovary | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49 | |
| Angiectasis | | | | | | | | | | | | | | | | | | | | | | | | 2 2.0 |
| Cyst | 2 | | | | | | | | | | | | | | | | | | | | | | | 23 1.2 |
| Thrombosis | | | | | | | | | | | | | | | | | | | | | | | | 2 1.5 |
| Follicle, Atrophy | | | | | | | | | | | | | | | | | | | | | | | | 37 2.5 |
| Uterus | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |
| Angiectasis | | | | | | | | | | | | | | | | | | | | | | | | 1 3.0 |
| Dilatation | 3 | 3 | | | | | | | | | | | | | | | | | | | | | | 2 3.0 |
| Inflammation, Chronic Active | | | | | | | | | | | | | | | | | | | | | | | | 1 2.0 |
| Endometrium, Hyperplasia, Cystic | 1 | 1 | 1 | 2 | 2 | 1 | 2 | 2 | 2 | 2 | 1 | 2 | 2 | 1 | 2 | 2 | 1 | 2 | 2 | 1 | 2 | 1 | 42 1.5 | |

HEMATOPOIETIC SYSTEM

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+ .. Tissue examined microscopically

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|----------------------------------|-----------|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----------|--------|
| | | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 5 | 7 | 6 | 7 | 7 | 7 | 7 | 7 | | |
| | | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 9 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 6 | 2 | 1 | 2 | 2 | 2 | 2 | 2 | | |
| | | 8 | 9 | 9 | 8 | 8 | 9 | 7 | 7 | 7 | 4 | 9 | 7 | 7 | 9 | 8 | 7 | 7 | 4 | 3 | 7 | 7 | 3 | 7 | 7 | 8 | 7 | |
| Bone Marrow | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |
| Atrophy | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 3.0 |
| Hyperplasia | | | | | | | | | | | | | | | | | | | | | | | | | | | | 5 1.2 |
| Lymph Node | | | | | | | | | | | | | | | | | | | | | | | | | | | | 5 |
| Lymph Node, Mandibular | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |
| Atrophy | | | | | | | | | | | | | | | | | | | | | | | | | | | | 4 2.0 |
| Hyperplasia, Lymphoid | | | | | | | | | | | | | | | | | | | | | | | | | | | | 6 2.3 |
| Lymph Node, Mesenteric | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |
| Atrophy | | | | | | | | | | | | | | | | | | | | | | | | | | | | 7 1.9 |
| Hyperplasia, Lymphoid | | | | | | | | | | | | | | | | | | | | | | | | | | | | 3 2.0 |
| Inflammation, Suppurative | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 2.0 |
| Spleen | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |
| Atrophy | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 2.5 |
| Hematopoietic Cell Proliferation | | | | | | | | | | | | | | | | | | | | | | | | | | | | 8 2.8 |
| Hyperplasia, Lymphoid | | 2 | 4 | | | | | | | | | | | | | | | | | | | | | | | | | 3 2.7 |
| Lymphoid Follicle, Hyperplasia | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 2.0 |
| Lymphoid Follicle, Necrosis | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 1.0 |
| Thymus | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |
| Angiectasis | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 2.0 |
| Atrophy | | 2 | 2 | | | | | | | | | | | | | | | | | | | | | | | | | 17 2.4 |
| Hyperplasia, Lymphoid | | | | | | | | | | | | | | | | | | | | | | | | | | | | 8 1.6 |

INTEGUMENTARY 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

