

TDMS No. 88148 - 07
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

3,3',4,4'-Tetrachloroazobenzene

CAS Number: 14047-09-7

Date Report Requested: 04/24/2009

Time Report Requested: 14:57:52

First Dose M/F: 02/04/03 / 02/03/03

Lab: BAT

F_2_M3

C Number: C88148C
Lock Date: 08/31/2005
Cage Range: ALL
Date Range: ALL
Reasons For Removal: ALL
Removal Date Range: ALL
Treatment Groups: Include ALL
Study Gender: Both
TDMSE Version: 2.1.0

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

ALIMENTARY SYSTEM

Esophagus	+ +																								
Perforation																									
Epithelium, Necrosis																									
Periesophageal Tissue, Inflammation, Chronic Active																									
Gallbladder	+ +																								
Infiltration Cellular, Lymphoid																									
Inflammation, Chronic Active	1 3 1																								
Intestine Large, Cecum	+ +																								
Intestine Large, Colon	+ +																								
Intestine Large, Rectum	+ +																								
Intestine Small, Duodenum	+ +																								
Intestine Small, Ileum	+ +																								
Intestine Small, Jejunum	+ +																								
Liver	+ +																								
Clear Cell Focus																									
Eosinophilic Focus	X X X X X																								

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
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DAY ON TEST	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7	7	7	6	7	7	6	6	7	7	7	7	7	6	7	7	7	7	7	7	6	7	7	6	7
ANIMAL ID	2	2	2	1	2	2	1	0	2	2	2	2	2	2	0	1	1	2	2	2	2	2	7	0	2
	9	9	8	8	8	8	2	9	9	8	9	9	8	8	9	8	1	1	9	8	8	9	8	0	9
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	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5

males (cont...)

Epithelium, Cyst																									
Epithelium, Hyperplasia									2	3	2			3	2								2		
Epithelium, Ulcer									2	4				4									3		
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Infiltration Cellular, Lymphoid															1							1			
Epithelium, Hyperplasia	3																								
Epithelium, Glands, Cyst																									
Tooth															+						+		+		
Dysplasia															2									3	
Malformation																					X				

CARDIOVASCULAR SYSTEM

Blood Vessel	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Hyperplasia																									
Heart	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Cardiomyopathy																									
Infiltration Cellular, Lymphoid																									
Inflammation, Chronic Active																									
Artery, Hyperplasia																									
Artery, Inflammation, Chronic Active																									

ENDOCRINE SYSTEM

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	DAY ON TEST																									males (cont...)
	0 7 2 9	0 7 2 9	0 7 2 8	0 6 1 8	0 7 2 8	0 7 1 8	0 6 0 2	0 6 0 9	0 7 2 9	0 7 2 8	0 7 2 9	0 7 2 8	0 7 2 9	0 6 0 8	0 7 1 8	0 7 2 1	0 7 2 2	0 7 2 2	0 7 2 8	0 7 2 8	0 6 7 9	0 7 2 8	0 6 7 0	0 7 0 9		
B6C3F1 MICE MALE	ANIMAL ID																									
0 MG/KG	0 0 0 0 1	0 0 0 0 2	0 0 0 0 3	0 0 0 0 4	0 0 0 0 5	0 0 0 0 6	0 0 0 0 7	0 0 0 0 8	0 0 0 0 9	0 0 0 0 0	0 0 0 0 1	0 0 0 0 2	0 0 0 0 3	0 0 0 0 4	0 0 0 0 5	0 0 0 0 6	0 0 0 0 7	0 0 0 0 8	0 0 0 0 9	0 0 0 0 0	0 0 0 0 1	0 0 0 0 2	0 0 0 0 3	0 0 0 0 4	0 0 0 0 5	
Adrenal Cortex	+ +																									
Hyperplasia																										2
Hypertrophy																										2
Subcapsular, Hyperplasia	1	1	1		1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	2	2	2				1
Adrenal Medulla	+ +																									
Islets, Pancreatic	+ +																									
Hyperplasia																										3
Parathyroid Gland	+ + + + + + + M + + + + + + + M + + + + + + + + +																									
Cyst																										2
Pituitary Gland	+ + + + + + + + + + + + + + + + + + + M + + + + + + +																									
Pars Distalis, Cyst																										1
Pars Distalis, Cyst, Multiple	2																									2
Thyroid Gland	+ +																									
Inflammation, Chronic Active																										3
Follicle, Degeneration																										2

GENERAL BODY SYSTEM
 NONE

GENITAL SYSTEM

Coagulating Gland	+ +
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DAY ON TEST	0																								
	7	7	7	6	7	7	6	6	7	7	7	7	7	6	7	7	7	7	7	7	6	7	6	7	7
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
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 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
	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...)

Testes	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Mineralization																									
Germinal Epithelium, Degeneration										4										1		1			2

HEMATOPOIETIC SYSTEM

Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Hyperplasia			4	4						4				4	4	4	4							4	
Erythroid Cell, Hyperplasia																									
Lymph Node				+												+									
Lymph Node, Mandibular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Hyperplasia, Lymphoid														4	4		2								
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Hyperplasia, Lymphoid														4											
Spleen	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Atrophy											2													3	
Hematopoietic Cell Proliferation				3		4		2	3						3	3	3							3	
Artery, Hyperplasia																3									
Artery, Inflammation, Chronic Active																3									
Thymus	+	+	M	M	+	+	+	+	+	M	+	+	+	+	M	+	+	+	+	+	+	+	M	+	+
Atrophy							3	3								4	4	4						4	
Cyst																			2					2	
Cyst, Multiple	2	1			1	2			2		1	2	2					2		2	2	2		2	

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

males (cont...)

Ectopic Parathyroid Gland

2 2 1 2

INTEGUMENTARY SYSTEM

Mammary Gland

M M

Skin
 Inflammation, Chronic Active
 Dermis, Fibrosis
 Epidermis, Hyperplasia
 Epidermis, Ulcer
 Hair Follicle, Dilatation
 Sebaceous Gland, Atrophy

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

MUSCULOSKELETAL SYSTEM

Bone

+ +

Skeletal Muscle
 Infiltration Cellular, Lymphoid

+ +

NERVOUS SYSTEM

Brain
 Inflammation, Chronic Active

+
 2

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| | DAY ON TEST | | | | | | | | | | | | | | | | | | | | | | | | * TOTALS |
|---------------------------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|--|----------|
| | 0
7
2
9 | 0
6
2
5 | 0
7
2
9 | 0
7
2
8 | 0
7
2
8 | 0
6
9
4 | 0
5
8
4 | 0
7
2
9 | 0
5
6
3 | 0
7
2
9 | 0
7
2
8 | 0
7
2
8 | 0
7
2
9 | 0
7
2
8 | 0
6
2
9 | 0
7
2
9 | 0
7
2
9 | 0
7
2
8 | 0
7
2
8 | 0
4
8
6 | 0
7
2
9 | 0
7
2
9 | 0
7
2
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 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 | | |
| | 2 | 2 | 2 | 2 | 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 | | |
| Hematopoietic Cell Proliferation | | | | | | | | | | | | | | | | | | | | | | 2 | 2 1.5 | | |
| Hemorrhage | | | | | | | | | | 2 | | | | | | | | | | | | | 1 2.0 | | |
| Infarct | | | | | | | | | | | | | | | | | | | | | | | 1 4.0 | | |
| Infiltration Cellular, Lymphoid | | | | | | 1 | | | | | | | 2 | 1 | | | 1 | | | | | | 7 1.3 | | |
| Inflammation, Chronic Active | 1 | | 1 | | 1 | | | 1 | 1 | 1 | 1 | 2 | 1 | 1 | 1 | 3 | 1 | 1 | | 1 | 1 | 1 | 35 1.2 | | |
| Mineralization | | | | | | | | | | | | | | | | | | | | | | | 1 1.0 | | |
| Mixed Cell Focus | | | | | | X | | | | | | | | | X | | | | X | | | | 4 | | |
| Pigmentation | | | | | | | | | | | | | | | | 2 | | | | | | | 2 1.5 | | |
| Tension Lipidosis | | | | | | | | | | | | | | | 2 | | | | | | | | 2 2.0 | | |
| Thrombosis | | | | | | | | | 4 | | | | | | | | | | | | | | 1 4.0 | | |
| Bile Duct, Hyperplasia | | | | | | | | | | | | | | | | | | | 2 | | | | 1 2.0 | | |
| Hepatocyte, Necrosis | | | | | | | | | | 3 | | 2 | | | | | | | | | | | 5 2.2 | | |
| Hepatocyte, Vacuolization Cytoplasmic | 2 | | 2 | | 1 | | | 3 | | | 2 | | 3 | 3 | | | | 2 | 2 | 2 | 2 | 2 | 31 2.0 | | |
| Mesentery | | | | | | | | | | | | | | | | | | | | | | | 5 | | |
| Fat, Fibrosis | | | | | | | | | | | | | | | | 3 | | | | | 3 | | 4 2.8 | | |
| Fat, Inflammation, Chronic Active | | | | | | | | | | | | | | | | 3 | | | | | 2 | | 3 2.0 | | |
| Fat, Mineralization | | | | | | | | | | | | | | | | | | | | | | | 1 2.0 | | |
| Fat, Necrosis | | | | | | | | | | | | | | | | 4 | | | | | 4 | | 4 4.0 | | |
| Pancreas | | | | | | | | | | | | | | | | | | | | | | | 50 | | |
| Infiltration Cellular, Lymphoid | | | | | | | | | | | | | | | | | | | | | | | 6 1.2 | | |
| Duct, Cyst | | | | | | | | | | | | | | | | | | | | | | 1 | 1 4.0 | | |
| Salivary Glands | | | | | | | | | | | | | | | | | | | | | | | 50 | | |
| Degeneration | | | | | | | | | | | | | | | | | | | | | | | 1 3.0 | | |
| Infiltration Cellular, Lymphoid | 1 | 1 | 1 | 1 | 2 | 1 | 1 | 1 | 1 | 1 | | 2 | 1 | 2 | 1 | 1 | 1 | 2 | 1 | 1 | 1 | 1 | 43 1.3 | | |
| Stomach, Forestomach | | | | | | | | | | | | | | | | | | | | | | | 50 | | |
| Inflammation, Chronic Active | | | | | | | | | | | | | | | | | | | | | | | 6 2.3 | | |

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

| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|-----|
| Epithelium, Cyst | | | | | | | | | | | | | | | | | | | | | | | | | 2 | 1 | 2.0 |
| Epithelium, Hyperplasia | | | | | | | 3 | | | | | | | | | | | 3 | | | | | | | | 8 | 2.5 |
| Epithelium, Ulcer | | | | | | | | | | | | | | | | | | 4 | | | | | | | | 5 | 3.4 |
| Stomach, Glandular | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |
| Infiltration Cellular, Lymphoid | | | | 1 | | | | | | | | | | | | | | | | | | | | | | 3 | 1.0 |
| Epithelium, Hyperplasia | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 3.0 |
| Epithelium, Glands, Cyst | | | | | | | | | | 2 | | 2 | 1 | | | | | | | | | 1 | 1 | | | 5 | 1.4 |
| Tooth | + | | | | | | | | + | | | | | | | | | + | | | | | | | | 8 | |
| Dysplasia | | | | | | | | | | | | 4 | | | | | | | | | | | | | | 3 | 3.0 |
| Malformation | X | | | | | | | | X | | | | | | | | | | | | | | | | | 4 | |

CARDIOVASCULAR SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--------------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|-----|
| Blood Vessel | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |
| Hyperplasia | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 3.0 |
| Heart | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |
| Cardiomyopathy | | | | | | | | | | | | 2 | 2 | | 1 | | | | | | | | | | | 5 | 1.4 |
| Infiltration Cellular, Lymphoid | | | | | | | | | | | | | | | | | | | | | | 1 | | | | 1 | 1.0 |
| Inflammation, Chronic Active | | | | | | | | | | | | | | | | | | | | | | | 3 | | | 1 | 3.0 |
| Artery, Hyperplasia | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 2.0 |
| Artery, Inflammation, Chronic Active | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | 2.5 |

ENDOCRINE SYSTEM

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|-------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----------|-----|-----|
| | 7 | 6 | 7 | 7 | 7 | 6 | 5 | 7 | 5 | 7 | 7 | 7 | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 4 | 7 | 7 | 7 | | | |
| ANIMAL ID | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | | | |
| 0 MG/KG | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | | |
| Adrenal Cortex | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | | |
| Hyperplasia | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 2.0 | |
| Hypertrophy | 1 | | 1 | | 2 | | | | | | | | | | | | | | | | 2 | | | 2 | 9 | 1.7 | |
| Subcapsular, Hyperplasia | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 1 | | 1 | 1 | 2 | 2 | 2 | 2 | 1 | 1 | 2 | 1 | 1 | 2 | 2 | 1 | 1 | 45 | 1.3 |
| Adrenal Medulla | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | | |
| Islets, Pancreatic | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | | |
| Hyperplasia | | | | | 4 | | | 2 | | | 2 | | | | | | | | | | | | | | 5 | 2.6 | |
| Parathyroid Gland | + | + | + | M | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | 45 | |
| Cyst | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 2.0 | |
| Pituitary Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49 | | |
| Pars Distalis, Cyst | | | | | | | | | | | | | | | | | | | | | | | | | 2 | 1.5 | |
| Pars Distalis, Cyst, Multiple | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 2.0 | |
| Thyroid Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | | |
| Inflammation, Chronic Active | | | | | | | | | | | | | | | | | | | | | | | | | 2 | 2.5 | |
| Follicle, Degeneration | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1.0 | |

GENERAL BODY SYSTEM

NONE

GENITAL SYSTEM

Coagulating 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. 88148 - 07

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

3,3',4,4'-Tetrachloroazobenzene

CAS Number: 14047-09-7

Date Report Requested: 04/24/2009

Time Report Requested: 14:57:52

First Dose M/F: 02/04/03 / 02/03/03

Lab: BAT

| | DAY ON TEST | | | | | | | | | | | | | | | | | | | | | | | | * TOTALS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--------------------------------------|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----------|-----|---|---|-----|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|----|-----|-----|-----|-----|
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 7 | 6 | 7 | 7 | 7 | 6 | 5 | 7 | 5 | 7 | 7 | 7 | 7 | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 4 | 7 | 7 | 7 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 2 | 2 | 2 | 2 | 2 | 9 | 8 | 2 | 6 | 2 | 2 | 2 | 2 | 2 | 8 | 2 | 2 | 2 | 2 | 2 | 8 | 2 | 2 | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 9 | 5 | 9 | 8 | 8 | 4 | 4 | 9 | 3 | 9 | 8 | 8 | 9 | 8 | 2 | 9 | 9 | 9 | 9 | 8 | 8 | 6 | 9 | 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 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 0 | 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 | 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 | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Atrophy | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 4.0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Dilatation | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 2 | 1 | 9 | 1.3 | | | | | | | | | | | | | | | | | | | | | | | | | |
| Infiltration Cellular, Lymphoid | | | | | | | | | | | | | | | | | | | | | | | | | | | | 3 | 1.0 | | | | | | | | | | | | | | | | | | | | | | | | | |
| Epithelium, Hyperplasia | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | 1 | 2.0 | | | | | | | | | | | | | | | | | | | | | | | | | |
| Ductus Deferens | | | | | | | | | | | | | | | | | | | | | | | | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | | | | | |
| Epididymis | | | | | | | | | | | | | | | | | | | | | | | | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | | | | |
| Atrophy | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 4.0 | | |
| Granuloma Sperm | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 4.0 | |
| Infiltration Cellular, Lymphoid | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | 1 | | 1 | 1 | | 1 | 1 | 1 | 1 | 1 | | 1 | 2 | 1 | 1 | 1 | 1 | | 1 | 1 | 2 | 40 | 1.2 | | | |
| Preputial Gland | | | | | | | | | | | | | | | | | | | | | | | | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | | | | |
| Atrophy | | | | | | | | | | | | | | | | | | | | | | | | | | | 3 | | 3 | | 4 | 3 | | 4 | | 3 | 3 | | 3 | | | | | | | | | | | | | 20 | 3.4 | |
| Infiltration Cellular, Lymphoid | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 2 | | | | | | | 2 | | | 2 | 2 | 1 | 1 | | | 2 | 2 | 2 | 1 | | | | | | 18 | 1.6 | | |
| Duct, Ectasia | | | | | | | | | | | | | | | | | | | | | | | | | | | 3 | 4 | 3 | | 3 | 3 | | 3 | | | | | 3 | | | 3 | | | 3 | 3 | 3 | | | | 19 | 3.4 | | |
| Prostate | | | | | | | | | | | | | | | | | | | | | | | | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | | | | |
| Infiltration Cellular, Lymphoid | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | 1 | 1 | 1 | 1 | 1 | | 1 | 1 | 2 | 1 | 2 | | 2 | 1 | 2 | 1 | 1 | 2 | 1 | 2 | 2 | 2 | | | 42 | 1.3 | | |
| Inflammation, Chronic Active | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | 2 | | | | | | | | | | | | | 3 | 1.3 | |
| Mineralization | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1.0 | |
| Artery, Hyperplasia | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 3.0 | |
| Artery, Inflammation, Chronic Active | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 2.0 | |
| Epithelium, Hyperplasia | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | | 4 | 2.0 | | |
| Seminal Vesicle | | | | | | | | | | | | | | | | | | | | | | | | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | | | | |
| Atrophy | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 4.0 |
| Dilatation | | | | | | | | | | | | | | | | | | | | | | | | | | | | 3 | 2 | | | | 3 | | | | | | 1 | | | 2 | | | | | | | 2 | | 12 | 2.3 | | |

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

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

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|-----|-----|
| Testes | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | | |
| Mineralization | | | | | | | | | | | | | | | | | | | | | | | | | | 13 | 4.0 | |
| Germinal Epithelium, Degeneration | | | | | | | | | | | | | | | | | | | | | | | | | | | 8 | 2.0 |

HEMATOPOIETIC SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--------------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|----|-----|
| Bone Marrow | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | | |
| Hyperplasia | | | 4 | | 4 | | 4 | | 4 | | 4 | | 4 | | 4 | | 4 | | 4 | | 4 | | 4 | | 4 | | 13 | 4.0 |
| Erythroid Cell, Hyperplasia | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 4.0 |
| Lymph Node | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | |
| Lymph Node, Mandibular | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49 | |
| Hyperplasia, Lymphoid | | | | | | | | | | | | | | | | | | | | | | | | | | | 3 | 3.3 |
| Lymph Node, Mesenteric | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |
| Hyperplasia, Lymphoid | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 4.0 |
| Spleen | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |
| Atrophy | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | 2.5 |
| Hematopoietic Cell Proliferation | | | 3 | | 3 | | 2 | | 3 | | 3 | | 3 | | 3 | | 3 | | 4 | | 2 | | 2 | | 2 | | 18 | 2.9 |
| Artery, Hyperplasia | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 3.0 |
| Artery, Inflammation, Chronic Active | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 3.0 |
| Thymus | + | + | M | + | M | + | + | + | M | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 41 | |
| Atrophy | | | 3 | | 4 | | 4 | | 3 | | 2 | | 3 | | 3 | | 3 | | 3 | | 3 | | 3 | | 3 | | 11 | 3.5 |
| Cyst | | | | | | | | | | | | | | | | | | | | | | | | | | | 5 | 2.0 |
| Cyst, Multiple | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | 1.8 |

* .. 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

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

Spinal Cord

1

RESPIRATORY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|----|-----|-----|-----|
| Lung | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | | | | |
| Alveolar Epithelium, Hyperplasia | | | | | | | | | | | | | | | | | | | | | | | | | | 5 | 2.2 | | |
| Alveolus, Infiltration Cellular, Histiocyte | | | | | | | | | | | | | | | 3 | 4 | | | | | | | | | | | 4 | 3.0 | |
| Nose | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | | | |
| Nasolacrimal Duct, Inflammation, Chronic Active | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | 1.0 |
| Nasolacrimal Duct, Squamous Epithelium, Hyperplasia | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | 2 | 1.5 |
| Pleura | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| Trachea | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | | |

SPECIAL SENSES SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|----|---|---|-----|
| Eye | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | | | | |
| Anterior Chamber, Cornea, Inflammation, Suppurative | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 4.0 |
| Cornea, Inflammation, Chronic Active | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | 1 | 2.0 |
| Harderian Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | | | |
| Hyperplasia | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | 3 | 2.7 |

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

+ .. Tissue examined microscopically

x .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

TDMS No. 88148 - 07
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 3,3',4,4'-Tetrachloroazobenzene
 CAS Number: 14047-09-7

Date Report Requested: 04/24/2009
 Time Report Requested: 14:57:52
 First Dose M/F: 02/04/03 / 02/03/03
 Lab: BAT

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

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|---------------------------------|---|---|---|---|--|--|--|--|---|---|---|---|---|---|---|---|---|---|--|---|---|---|---|---|---------------|
| Infiltration Cellular, Lymphoid | 1 | 1 | 1 | 1 | | | | | 1 | 1 | 2 | 2 | 1 | 1 | 1 | 2 | 1 | 1 | | 1 | 1 | 1 | 1 | 1 | 33 1.2 |
|---------------------------------|---|---|---|---|--|--|--|--|---|---|---|---|---|---|---|---|---|---|--|---|---|---|---|---|---------------|

URINARY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--------------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------|---------------|
| Kidney | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |
| Hydronephrosis | | | | | | | | | | | | | | | | | | | | | | | | | | 1 2.0 |
| Infarct | 2 | | | | | | | | | | | | | | | | | | | | | | | | | 4 2.5 |
| Infiltration Cellular, Lymphoid | 1 | | 1 | 1 | 2 | 2 | | 1 | | 1 | 1 | 2 | 1 | 3 | | 1 | 2 | 1 | 1 | 2 | 1 | 2 | 1 | 1 | | 39 1.4 |
| Metaplasia, Osseous | | | | | | | | | | | | | | | | | | | | | | | | | | 2 1.5 |
| Mineralization | 1 | 1 | 1 | 1 | 1 | | | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | 1 | 1 | 1 | | 40 1.0 |
| Nephropathy | 1 | 1 | 1 | 3 | 1 | 3 | 2 | 1 | 2 | 1 | 1 | 2 | 1 | 1 | 2 | | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | 47 1.4 |
| Artery, Inflammation, Chronic Active | | | | | | | | | | | | | | | 2 | | | | | | | | | | | 2 2.5 |
| Cortex, Cyst | | | | | | | | 2 | | | | | 2 | | | | 2 | | 2 | 2 | | | 2 | 2 | | 11 2.0 |
| Pelvis, Hyperplasia | | | | | | | | | | | | | | | | | | | | | | | | | | 1 1.0 |
| Renal Tubule, Dilatation | | | | | | | | | | | | | | | | | | | | | | | | | | 1 2.0 |
| Renal Tubule, Hyperplasia | | | | | | | | | | | | | | | | | | | | | | | | | | 1 2.0 |
| Ureter | + | + | + | + | + | + | + | + | + | + | + | + | M | M | M | + | + | + | + | + | + | + | + | + | 43 | |
| Urethra | + | + | + | + | + | + | M | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 | |
| Inflammation, Chronic Active | | | | | | | | | | | | | | | | | | | | | | | | | | 1 2.0 |
| Artery, Hyperplasia | | | | | | | | | | | | | | | | | | | | | | | | | | 1 4.0 |
| Artery, Inflammation, Chronic Active | | | | | | | | | | | | | | | | | | | | | | | | | | 1 3.0 |
| Urinary Bladder | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |
| Infiltration Cellular, Lymphoid | | | 1 | | | | | | | 1 | | 1 | 1 | | 1 | | 1 | 1 | | | 1 | | | 1 | | 25 1.1 |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically
 x .. Lesion present
 I .. Insufficient tissue
 M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically
 1-4 .. Lesion qualified as:
 1) Minimal 3) Moderate
 2) Mild 4) Marked
 Page 19

TDMS No. 88148 - 07

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

3,3',4,4'-Tetrachloroazobenzene

CAS Number: 14047-09-7

Date Report Requested: 04/24/2009

Time Report Requested: 14:57:52

First Dose M/F: 02/04/03 / 02/03/03

Lab: BAT

| | DAY ON TEST | | | | | | | | | | | | | | | | | | | | | | | | | males
(cont...) |
|--|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--------------------|
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | 6 | 3 | 1 | 7 | 7 | 7 | 6 | 5 | 7 | 5 | 7 | 7 | 7 | 7 | 7 | 7 | 6 | 6 | 5 | 6 | 6 | 7 | 7 | 5 | 7 | |
| | 5 | 8 | 6 | 2 | 2 | 2 | 0 | 7 | 2 | 9 | 2 | 2 | 2 | 2 | 2 | 2 | 6 | 4 | 2 | 8 | 2 | 2 | 2 | 5 | 2 | |
| | 9 | 0 | 5 | 8 | 9 | 8 | 0 | 4 | 8 | 1 | 8 | 9 | 9 | 9 | 9 | 8 | 0 | 2 | 4 | 2 | 4 | 9 | 8 | 2 | 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 | 0 | |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | 0 | 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 MG/KG | 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 | |
| | 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 | |
| Infiltration Cellular, Lymphoid | | | | | 1 | | | | 1 | | 1 | 1 | | 1 | 1 | | | 1 | | | | | | 1 | | |
| Inflammation, Chronic Active | | | | 1 | 1 | 1 | | | 1 | | 1 | 1 | 1 | 1 | 1 | | 1 | | | 1 | | 1 | | | | |
| Mineralization | | | | | | | | | | | | | | | 2 | | | | | | | | | | | |
| Mixed Cell Focus | | | | X | X | | | | | | | | | | | | | | | | X | X | | X | | |
| Pigmentation | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Tension Lipidosis | | | | | | | | | | | | | | | | | | 2 | | | | | | | | |
| Hepatocyte, Necrosis | | | | | | | | | | | | | | | | | | | | | 3 | 2 | | 3 | | |
| Hepatocyte, Vacuolization Cytoplasmic | 1 | | | 1 | 2 | 3 | | | 2 | 3 | 2 | 2 | 1 | | 2 | 1 | | 2 | | 2 | | | 1 | 2 | | |
| Mesentery | | | | | | | | + | | + | | + | | | | | | | | | + | | | | | |
| Fat, Fibrosis | | | | | | | | 3 | | | | | | | | | | | | | | | | | | |
| Fat, Inflammation, Chronic Active | | | | | | | | 2 | | 3 | | 4 | | | | | | | | 3 | | | | | | |
| Fat, Mineralization | | | | | | | | 2 | | 1 | | | | | | | | | | | | | | | | |
| Fat, Necrosis | | | | | | | | 4 | | | | 4 | | | | | | | | | | | | | | |
| Oral Mucosa | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Gingival, Inflammation, Chronic Active | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Pancreas | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | |
| Infiltration Cellular, Lymphoid | | | | | | | | | | | 1 | 1 | | | | | | | | | | | | | | |
| Inflammation, Chronic Active | | | | | 2 | | | | | | | | | | | | 2 | | | | | | | | | |
| Salivary Glands | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | |
| Infiltration Cellular, Lymphoid | 1 | 1 | | 1 | 1 | 1 | | | 1 | | 2 | 1 | 1 | 1 | 1 | | 1 | 1 | | 1 | 1 | | 1 | 2 | | |
| Stomach, Forestomach | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | |
| Inflammation, Chronic Active | | | | | | | | | | | 2 | | | | | | | | | | 1 | | | | | |
| Epithelium, Hyperplasia | | | | | | | | 2 | 3 | 1 | 1 | 2 | | | 1 | | | | | | | | 1 | 1 | | |
| Epithelium, Ulcer | | | | | | | | 2 | | | | | | | | | | | | | | | | | | |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
+ .. Tissue examined microscopically
x .. Lesion present
I .. Insufficient tissue
M .. Missing tissue
A .. Autolysis precludes evaluation
BLANK .. Not examined microscopically
1-4 .. Lesion qualified as:
1) Minimal 3) Moderate
2) Mild 4) Marked
Page 21

TDMS No. 88148 - 07
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

3,3',4,4'-Tetrachloroazobenzene

CAS Number: 14047-09-7

Date Report Requested: 04/24/2009
 Time Report Requested: 14:57:52
 First Dose M/F: 02/04/03 / 02/03/03
 Lab: BAT

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

males (cont...)

| | | | | | | | | | | | | | | | | | | | | | | | | |
|----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Stomach, Glandular | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Infiltration Cellular, Lymphoid | | | | 1 | 2 | 2 | | | | | | 1 | 1 | | 1 | | | | | | | | | 2 |
| Infiltration Cellular, Mast Cell | | | | | | | | | | | | | | | | | | | | | | | | |
| Inflammation, Chronic Active | | | | | | | | | | | | | | | | | 2 | | | | | | | |
| Mineralization | | | | | | | | | | | | | | 1 | | | 1 | | | | | | | |
| Epithelium, Hyperplasia, Focal | | | | | | | | | 2 | | 2 | | 1 | 2 | | | | | | | | | | 2 |
| Epithelium, Glands, Cyst | | | | | | | | | | 1 | | 2 | | 2 | | | | 1 | | 1 | 1 | | | 1 |

| | | | | | | | | | | | | | | | | | | | | | | | | |
|--------------------------------------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| Tongue | | | | | | | | | | | | | | | | | | | | | | | | |
| Cyst, Multiple | | | | | | | | | | | | | | | | | | | | | | | | |
| Artery, Inflammation, Chronic Active | | | | | | | | | | | | | | | | | | | | | | | | |

| | | | | | | | | | | | | | | | | | | | | | | | | |
|--------------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| Tooth | | | | | | | | | | | | | | | | | | | | | | | | |
| Malformation | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | |

CARDIOVASCULAR SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | |
|-------------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Blood Vessel | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Aorta, Inflammation, Chronic Active | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | |

| | | | | | | | | | | | | | | | | | | | | | | | | |
|--------------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Heart | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Cardiomyopathy | | | | | | | | | | | | | | | | | | | | | | | | |
| Hyperplasia, Atypical | | | | | | | | | | | | | | | | | | | | | | | | |
| Inflammation, Chronic Active | | | | | | | | | | | | | | | | | | | | | | | | |
| Mineralization | | | | | | | | | | | | | | | | | | | | | | | | |
| Artery, Inflammation, Chronic Active | | | | | | | | | | | | | | | | | | | | | | | | |
| Myocardium, Necrosis | | | | | | | | | | | | | | | | | | | | | | | | |

* .. 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. 88148 - 07
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 3,3',4,4'-Tetrachloroazobenzene
 CAS Number: 14047-09-7

Date Report Requested: 04/24/2009
 Time Report Requested: 14:57:52
 First Dose M/F: 02/04/03 / 02/03/03
 Lab: BAT

| | DAY ON TEST | | | | | | | | | | | | | | | | | | | | | | | | |
|-------------------------|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 6 | 3 | 1 | 7 | 7 | 7 | 6 | 5 | 7 | 5 | 7 | 7 | 7 | 7 | 7 | 6 | 6 | 5 | 6 | 6 | 7 | 7 | 5 | 7 | |
| | 5 | 8 | 6 | 2 | 2 | 2 | 0 | 7 | 2 | 9 | 2 | 2 | 2 | 2 | 2 | 6 | 4 | 2 | 8 | 2 | 2 | 2 | 5 | 2 | |
| | 9 | 0 | 5 | 8 | 9 | 8 | 0 | 4 | 8 | 1 | 8 | 9 | 9 | 9 | 9 | 8 | 0 | 2 | 4 | 2 | 4 | 9 | 8 | 2 | 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 | |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | 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 MG/KG | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | |
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 |

males (cont...)

ENDOCRINE SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Adrenal Cortex | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Accessory Adrenal Cortical Nodule | | | 2 | | | | | | | | | | | | | | | | | | | | | |
| Hypertrophy | | | | | | | | | | | | | | | | | | | | | | | | |
| Subcapsular, Hyperplasia | 2 | | | | 2 | 2 | | | 1 | 1 | 1 | 2 | 1 | | 2 | 1 | 1 | | | 1 | 1 | 1 | 1 | 1 |
| Adrenal Medulla | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Islets, Pancreatic | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Hyperplasia | | | | | | | | | | | | | | | | | | | | | | | | |
| Parathyroid Gland | + | M | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Cyst, Multiple | | | | | | | | | | | | | | | | | | | | | | | | |
| Pituitary Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Pars Distalis, Cyst | | | 2 | 2 | | 2 | | | | | | | | | | | | | | | | | | |
| Thyroid Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Follicle, Cyst | | | | | | 2 | | | | | | | | | | | | | | | | | | |

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

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

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

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|---------------------------------|---|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| Coagulating Gland | + | | | | | | | | | | | | | | | | | | | | | | | | |
| Dilatation | 2 2 3 4 4 2 | | | | | | | | | | | | | | | | | | | | | | | | |
| Fibrosis | 3 1 1 | | | | | | | | | | | | | | | | | | | | | | | | |
| Infiltration Cellular, Lymphoid | 1 1 1 | | | | | | | | | | | | | | | | | | | | | | | | |
| Inflammation, Chronic Active | 2 2 | | | | | | | | | | | | | | | | | | | | | | | | |
| Epithelium, Hyperplasia | | | | | | | | | | | | | | | | | | | | | | | | | |
| Ductus Deferens | + | | | | | | | | | | | | | | | | | | | | | | | | |
| Epididymis | + | | | | | | | | | | | | | | | | | | | | | | | | |
| Cyst | | | | | | | | | | | | | | | | | | | | | | | | | |
| Granuloma Sperm | 2 3 | | | | | | | | | | | | | | | | | | | | | | | | |
| Infiltration Cellular, Lymphoid | 1 1 1 2 2 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | | | | | | | | | | | | | | | | | | | | | | | | |
| Inflammation, Chronic Active | 2 3 | | | | | | | | | | | | | | | | | | | | | | | | |
| Preputial Gland | + | | | | | | | | | | | | | | | | | | | | | | | | |
| Atrophy | 3 4 3 3 3 3 4 4 3 4 4 3 4 4 3 | | | | | | | | | | | | | | | | | | | | | | | | |
| Infiltration Cellular, Lymphoid | | | | | | | | | | | | | | | | | | | | | | | | | |
| Inflammation, Chronic Active | 2 4 4 4 2 3 | | | | | | | | | | | | | | | | | | | | | | | | |
| Duct, Ectasia | 4 4 3 3 3 2 4 4 4 2 3 | | | | | | | | | | | | | | | | | | | | | | | | |
| Prostate | + | | | | | | | | | | | | | | | | | | | | | | | | |
| Fibrosis | 4 | | | | | | | | | | | | | | | | | | | | | | | | |
| Infiltration Cellular, Lymphoid | 2 2 2 2 1 2 2 1 2 2 1 1 2 1 1 2 1 1 2 2 1 2 | | | | | | | | | | | | | | | | | | | | | | | | |
| Inflammation, Chronic Active | 4 2 4 3 2 1 4 | | | | | | | | | | | | | | | | | | | | | | | | |
| Seminal Vesicle | + | | | | | | | | | | | | | | | | | | | | | | | | |
| Dilatation | 2 2 4 2 2 2 4 4 | | | | | | | | | | | | | | | | | | | | | | | | |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically
 x .. Lesion present
 I .. Insufficient tissue
 M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically
 1-4 .. Lesion qualified as:
 1) Minimal 3) Moderate
 2) Mild 4) Marked
 Page 24

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

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---------------------------|--|--|--|---|---|--|---|--|--|--|---|---|--|--|---|---|---|---|---|---|--|--|--|---|---|--|
| Cyst | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Cyst, Multiple | | | | 2 | 2 | | 2 | | | | 2 | 2 | | | | 2 | 2 | 2 | 2 | 2 | | | | 2 | 2 | |
| Ectopic Parathyroid Gland | | | | | | | | | | | | | | | 1 | 2 | | | | | | | | | | |

INTEGUMENTARY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Mammary Gland | M | M | M | M | M | M | M | M | M | M | M | M | M | M | M | M | M | M | M | M | M | M | M | M | M | M |
| Skin | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Cyst Epithelial Inclusion | | | | | | | | | | | | | | 4 | | | | | | | | | | | | |
| Inflammation, Chronic Active | | | | 3 | 2 | | | | | 4 | | | | | | | | 3 | 4 | | | 4 | | | | |
| Dermis, Fibrosis | | | | 3 | 2 | | | | | 3 | | | | | | | | 4 | 3 | | | 2 | | | | |
| Dermis, Metaplasia, Osseous | | | | | 3 | | | | | | | | | | | | | | | | | | | | | |
| Epidermis, Hyperkeratosis | | | | | 4 | | | | | | | | | | | | | | | | | | | | | |
| Epidermis, Hyperplasia | | | | 3 | 2 | | | | | 3 | | | | | | | | 2 | 3 | | | 3 | | | | |
| Epidermis, Ulcer | | | | 4 | 4 | | | | | 4 | | | | | | | | 4 | 4 | | | 4 | | | | |
| Hair Follicle, Dilatation | 1 | | | | | | | 1 | 1 | 1 | | | 1 | 1 | | | | | 2 | 2 | | | 2 | 2 | | |
| Sebaceous Gland, Atrophy | | 1 | | | | | 4 | 4 | | | | | 1 | | | | 2 | 2 | | 3 | | | | 1 | | |

MUSCULOSKELETAL SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Bone | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Osteopetrosis | | | | | | | | | | 3 | | | | | | | | | | | | | | | | |
| Skeletal Muscle | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Inflammation, Chronic Active | | | | | | | | | | | | | | | | | | | | | | | | | 2 | |

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

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

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----|
| Stomach, Glandular | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Infiltration Cellular, Lymphoid | 1 | 2 | | 2 | | 1 | 1 | 2 | 2 | | 1 | 1 | | 1 | | 1 | | 2 | | 2 | | | | | 20 |
| Infiltration Cellular, Mast Cell | | | | 2 | | | | | | | | | | | | | | | | | | | | | 1.5 |
| Inflammation, Chronic Active | | | | | | | | | | | | | | | | | | | | | | | | | 2.0 |
| Mineralization | | | | | | | | | 1 | | | | | | | | | | | | | 1 | | | 4 |
| Epithelium, Hyperplasia, Focal | | | | | | | | | | 1 | | | 2 | | 2 | | 2 | | | | | 2 | | | 10 |
| Epithelium, Glands, Cyst | | | | 2 | 1 | 1 | 2 | | | | | | | | 1 | 2 | | 2 | | 1 | | 1 | 2 | 1 | 18 |

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|--------------------------------------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|---|
| Tongue | | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| Cyst, Multiple | | | | | | | | | | | | | | | | | | | | | | | | | 2 |
| Artery, Inflammation, Chronic Active | | | | | | | | | | | | | | | | | | | | | | | | | 3 |

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|--------------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|---|
| Tooth | | | | | | | | | | | | | | | | | | | | | | | | | 3 |
| Malformation | | | | | | | | | | | | | | | | | | | | | | | | | X |

CARDIOVASCULAR SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|-------------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|
| Blood Vessel | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Aorta, Inflammation, Chronic Active | | | | | | | | | | | | | | | | | | | | | | | | | 2 |

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|--------------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|
| Heart | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Cardiomyopathy | | | | | | | | | | | | | | | | | | | | | | | | | 3 |
| Hyperplasia, Atypical | | | | | | | | | | | | | | | | | | | | | | | | | 2 |
| Inflammation, Chronic Active | | | | | | | | | | | | | | | | | | | | | | | | | 3 |
| Mineralization | | | | | | | | | | | | | | | | | | | | | | | 2 | | 2 |
| Artery, Inflammation, Chronic Active | | | | | | | | | | | | | | | | | | | | | | | | | 5 |
| Myocardium, Necrosis | | | | | | | | | | | | | | | | | | | | | | | | | 2 |

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

TDMS No. 88148 - 07

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

3,3',4,4'-Tetrachloroazobenzene

CAS Number: 14047-09-7

Date Report Requested: 04/24/2009

Time Report Requested: 14:57:52

First Dose M/F: 02/04/03 / 02/03/03

Lab: BAT

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

| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|----|-----|-----|
| Coagulating Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | | |
| Dilatation | | 2 | | 2 | 4 | | | 2 | | | | 3 | | | 2 | | 2 | 2 | | | | 4 | | | | 16 | 2.6 |
| Fibrosis | | 2 | | | 2 | | | | | | | 2 | | | | | | | | | | 2 | | | | 6 | 2.0 |
| Infiltration Cellular, Lymphoid | | 2 | | | 2 | | | | | | | | | | | | | | | | | | | | | 6 | 1.3 |
| Inflammation, Chronic Active | | 1 | | | | | | | | | | 2 | | | | 2 | | | | | | 1 | | | | 6 | 1.7 |
| Epithelium, Hyperplasia | | | | | | | | | | | | | | | 2 | | | | | | | | | | | 1 | 2.0 |
| Ductus Deferens | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | | |
| Epididymis | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | | |
| Cyst | | | | | | | | | | | 3 | | | | | | | | | | | | | | | 1 | 3.0 |
| Granuloma Sperm | | | 2 | | | | | | | | | | | | | | | | | | | | | | | 3 | 2.3 |
| Infiltration Cellular, Lymphoid | | 2 | 2 | 1 | | | 2 | | 2 | | 1 | | 1 | | 1 | | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 30 | 1.2 | |
| Inflammation, Chronic Active | | | | | | | | | | | | | | | | | | | | | | | | 1 | 3 | 2.0 | |
| Preputial Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | | | |
| Atrophy | | | | 3 | | 3 | | | | 4 | | | | 4 | 3 | | | 3 | | 3 | 3 | | 3 | 4 | 23 | 3.3 | |
| Infiltration Cellular, Lymphoid | | | | | | | | | | 2 | | | | | | 1 | | | 1 | | | | | | 3 | 1.3 | |
| Inflammation, Chronic Active | | | | | | | | | 2 | 1 | 2 | | 2 | | 2 | | | 1 | | | | | | | 7 | 1.7 | |
| Duct, Ectasia | | | | | | | | | | | | | 4 | | | | 4 | | | | 4 | | | 2 | 15 | 3.3 | |
| Prostate | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | | | |
| Fibrosis | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 4.0 | |
| Infiltration Cellular, Lymphoid | 2 | 2 | 2 | 2 | 1 | 1 | 2 | 2 | 1 | 2 | 2 | | | 2 | 1 | 3 | 2 | 2 | 1 | 1 | 1 | 1 | 2 | 2 | 1 | 43 | 1.7 |
| Inflammation, Chronic Active | | | 2 | | | | | | | | | 2 | | | | | | | | | | | 4 | | | 10 | 2.8 |
| Seminal Vesicle | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | | | |
| Dilatation | | | | 2 | | | | | 3 | | | | 4 | | | | | 2 | 3 | | | | 4 | | | 14 | 2.9 |

* .. 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

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

| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--------|-------|
| Eye | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |
| Optic Nerve, Inflammation, Chronic Active | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 3.0 |
| Harderian Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |
| Hyperplasia | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 2.5 |
| Infiltration Cellular, Lymphoid | 1 | 1 | 2 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 2 | 1 | | 2 | 1 | | 1 | 1 | | 26 1.2 | |
| Inflammation, Chronic Active | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 2.0 |

URINARY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--------------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|--------|--------|
| Kidney | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |
| Hydronephrosis | | | | | | | | | | | | | | | | | | | | | | | | | | | 5 2.6 |
| Infiltration Cellular, Lymphoid | 1 | 1 | 1 | 1 | 2 | 1 | 2 | 1 | 1 | 1 | | 1 | 1 | 2 | 2 | 2 | 1 | 1 | | 2 | | 1 | 2 | 1 | | 38 1.4 | |
| Metaplasia, Osseous | | | | | | | | 2 | | | | | | | | 1 | | | | | | | | | | 3 1.7 | |
| Mineralization | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | 1 | 1 | 1 | | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | 43 1.0 | |
| Nephropathy | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 1 | 1 | 2 | 1 | 1 | 1 | 1 | 3 | 4 | 1 | 1 | 2 | 1 | 1 | 2 | 1 | 2 | 3 | | 45 1.5 |
| Artery, Inflammation, Chronic Active | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 3.0 |
| Cortex, Cyst | 1 | | | | | | | | | | | | | | | | 2 | | | | | | | | | 6 1.7 | |
| Glomerulus, Amyloid Deposition | | | | | | | | | | 1 | | | | | | | | | 3 | | | | | 3 | | 6 2.3 | |
| Papilla, Necrosis | | | | | | | | | | | | | | | 2 | | | | | | | | | 4 | | 3 3.3 | |
| Renal Tubule, Dilatation | | | | | | | | | | | | | | | | | | | | | | 1 | 3 | 3 | | 8 2.6 | |
| Ureter | + | M | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 45 | | |
| Dilatation | | | | | | | | | | | | 2 | | | | 3 | | | | | | | 3 | | | 6 3.0 | |
| Inflammation, Chronic Active | | | | | | | | | | | | | | | | | | | | | | | 3 | | | 3 3.3 | |
| Urethra | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | | |
| Dilatation | | | | | | | | | | | | | | | | | | | | | | | | | | 1 4.0 | |
| Transitional Epithelium, Hyperplasia | 4 | | 4 | | | | 4 | | | 4 | | | | 2 | | | | | | 4 | 4 | 4 | | 3 | 4 | | 17 3.5 |

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

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

males (cont...)

ALIMENTARY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | |
|----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Esophagus | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Gallbladder | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Large, Cecum
Cyst | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| | | | | 4 | | | | | | | | | | | | | | | | | | | | |
| Intestine Large, Colon | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Large, Rectum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Small, Duodenum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Small, Ileum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Small, Jejunum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Liver | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Amyloid Deposition | | | | | 3 | | | | | | | | | | | | | | | | | | | |
| Basophilic Focus | | | | | | | | | | | X | | | | | | | | | | | | | |
| Clear Cell Focus | | | | | | | | | | | | | | | | | | | | | | | | |
| Congestion | | | | | | | | | | | | | | | | | | | | | | | | |
| Eosinophilic Focus | | | | X | | | | | | | | | | | | | | | | | | | | X |
| Hematopoietic Cell Proliferation | | | | | | 2 | 1 | | 1 | | | | | | 1 | | | | | | | | | |
| Hemorrhage | | | | 3 | | | | | | | | | | | | | | | | | | | | |

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

TDMS No. 88148 - 07

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

3,3',4,4'-Tetrachloroazobenzene

CAS Number: 14047-09-7

Date Report Requested: 04/24/2009

Time Report Requested: 14:57:52

First Dose M/F: 02/04/03 / 02/03/03

Lab: BAT

| | DAY ON TEST | | | | | | | | | | | | | | | | | | | | | | | | | males
(cont...) |
|---|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--------------------|
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | 6 | 5 | 5 | 6 | 5 | 6 | 7 | 5 | 7 | 6 | 3 | 5 | 6 | 4 | 3 | 7 | 4 | 6 | 6 | 5 | 6 | 7 | 5 | 0 | 7 | |
| | 8 | 5 | 2 | 6 | 2 | 7 | 1 | 6 | 2 | 6 | 6 | 4 | 2 | 7 | 5 | 2 | 7 | 4 | 4 | 3 | 3 | 0 | 4 | 0 | 2 | |
| | 9 | 6 | 1 | 4 | 1 | 3 | 8 | 1 | 9 | 2 | 6 | 2 | 7 | 0 | 8 | 8 | 1 | 4 | 0 | 3 | 7 | 0 | 8 | 4 | 9 | |
| 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 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 10 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 | 1 | |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | 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 | |
| Infiltration Cellular, Lymphoid
Inflammation, Chronic Active | | | | | | | 1 | 1 | 2 | 1 | 1 | | | | 1 | | | | | | 2 | | | 2 | | |
| Tension Lipidosis | | | 2 | | | | | 2 | | 3 | | | | | | 2 | | | | 3 | | | | | | |
| Hepatocyte, Necrosis | | | | 3 | | | | | | | 2 | | | | | | | | | | | | | | | |
| Hepatocyte, Vacuolization Cytoplasmic | 1 | 2 | | 1 | | | 1 | | | | | 1 | 1 | | | 1 | 2 | 1 | 2 | 1 | | | | | | |
| Mesentery | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Fat, Inflammation, Chronic Active | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Fat, Necrosis | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Pancreas | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | |
| Infiltration Cellular, Lymphoid | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Inflammation, Chronic Active | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Salivary Glands | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | |
| Infiltration Cellular, Lymphoid | 1 | | 1 | 1 | | 1 | 2 | 1 | 1 | | 1 | | 1 | 1 | | | | | | | | 2 | | | | |
| Mineralization | | | | | | | | | | | | | | | | | | | 1 | | | | | | | |
| Stomach, Forestomach | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | |
| Infiltration Cellular, Lymphoid | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Inflammation, Chronic Active | 2 | | | | | 2 | | 1 | | 4 | | | | | | | | | | | | | | | | |
| Epithelium, Hyperplasia | 3 | 2 | 2 | | | 1 | 1 | 2 | | 3 | 1 | | 2 | 2 | 1 | 2 | 1 | | 1 | 1 | 2 | | | 1 | | |
| Epithelium, Ulcer | 2 | | | | | | | | | 4 | | | | | | | | | | | | | | | | |
| Stomach, Glandular | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | |
| Infiltration Cellular, Lymphoid | 2 | | | | | | 1 | 1 | 1 | 2 | 2 | | | | | | | | | | | 2 | 1 | | | |
| Inflammation, Chronic Active | | | | | | | | | | 2 | | | | | | | | | | | | | | | | |
| Mineralization | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | | |
| Epithelium, Hyperplasia, Focal | | 2 | 2 | | | 2 | 2 | | | 1 | | | | | 1 | 2 | | | | 2 | | | | | | |

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

TDMS No. 88148 - 07
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 3,3',4,4'-Tetrachloroazobenzene
 CAS Number: 14047-09-7

Date Report Requested: 04/24/2009
 Time Report Requested: 14:57:52
 First Dose M/F: 02/04/03 / 02/03/03
 Lab: BAT

| DAY ON TEST | 0 | | | | | | | | | | | | | | | | | | | | | | | | |
|-------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 6 5 5 6 5 6 7 5 7 6 3 5 6 4 3 7 4 6 6 5 6 7 5 0 7 | | | | | | | | | | | | | | | | | | | | | | | | |
| ANIMAL ID | 8 5 2 6 2 7 1 6 2 6 6 4 2 7 5 2 7 4 4 3 3 0 4 0 2 | | | | | | | | | | | | | | | | | | | | | | | | |
| | 9 6 1 4 1 3 8 1 9 2 6 2 7 0 8 8 1 4 0 3 7 0 8 4 9 | | | | | | | | | | | | | | | | | | | | | | | | |
| 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 |
| 10 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 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 |

males
(cont...)

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|--------------------------|--|--|--|--|--|---|--|---|---|--|---|---|--|--|--|--|---|--|--|--|---|--|--|--|---|
| Epithelium, Ulcer | | | | | | | | | | | | | | | | | | | | | | | | | |
| Epithelium, Glands, Cyst | | | | | | 2 | | 1 | 1 | | 1 | 2 | | | | | 1 | | | | 2 | | | | |
| Glands, Cyst | | | | | | | | | | | | | | | | | | | | | | | | | 1 |

CARDIOVASCULAR SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Blood Vessel | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Aorta, Mineralization | | | | | 2 | | | | | 1 | | | | | | | | | | 1 | | | | | |
| Heart | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Cardiomyopathy | 1 | | | | 2 | 2 | | 2 | | 1 | | | | | 1 | | 1 | 2 | | 2 | | | 1 | | |
| Inflammation, Chronic Active | | | | | | | | | | | | 4 | | | | | | | | | | | | | |

ENDOCRINE SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Adrenal Cortex | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Accessory Adrenal Cortical Nodule | | | | | | | | | | | | | | | | | | | | | | | 2 | | |
| Amyloid Deposition | | | | | 3 | | | | | | | | | | | | | | | | | | | | |
| Hematopoietic Cell Proliferation | | | | | | | | | | | | | | | | | | | | | | | | | |
| Hypertrophy | | | | | | | | | | | | | | | | | | | | | | | | | |
| Subcapsular, Hyperplasia | 1 | 1 | | | 1 | 1 | 1 | 1 | 2 | | 1 | 2 | 1 | | 1 | | 1 | 1 | 1 | 1 | 2 | 2 | 1 | | |
| Adrenal Medulla | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Islets, Pancreatic | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Parathyroid Gland | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically
 x .. Lesion present
 I .. Insufficient tissue
 M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically
 1-4 .. Lesion qualified as:
 1) Minimal 3) Moderate
 2) Mild 4) Marked
 Page 42

TDMS No. 88148 - 07
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 3,3',4,4'-Tetrachloroazobenzene
 CAS Number: 14047-09-7

Date Report Requested: 04/24/2009
 Time Report Requested: 14:57:52
 First Dose M/F: 02/04/03 / 02/03/03
 Lab: BAT

| DAY ON TEST | 0 | | | | | | | | | | | | | | | | | | | | | | | | |
|-------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|------------------------|
| | 6 5 5 6 5 6 7 5 7 6 3 5 6 4 3 7 4 6 6 5 6 7 5 0 7 | | | | | | | | | | | | | | | | | | | | | | | | |
| ANIMAL ID | 8 5 2 6 2 7 1 6 2 6 6 4 2 7 5 2 7 4 4 3 3 0 4 0 2 | | | | | | | | | | | | | | | | | | | | | | | | |
| | 9 6 1 4 1 3 8 1 9 2 6 2 7 0 8 8 1 4 0 3 7 0 8 4 9 | | | | | | | | | | | | | | | | | | | | | | | | |
| 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 |
| 10 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 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 |
| | | | | | | | | | | | | | | | | | | | | | | | | | males (cont...) |

Pituitary Gland
 Pars Distalis, Cyst

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

Thyroid Gland

+ +

GENERAL BODY SYSTEM
 NONE

GENITAL SYSTEM

Coagulating Gland

+ +

Dilatation

2 3 2 2 2 3 2 3 3 2 2 2 4 3 2 2 3 3 3

Fibrosis

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

Infiltration Cellular, Lymphoid

1 1

Inflammation, Chronic Active

2 2 2 3 2 2 2 1 4 4

Epithelium, Hyperplasia

3 3 2 2 1 4 4

Ductus Deferens

+ +

Inflammation, Chronic Active

2

Epididymis

+ +

Cyst

4 3 3

Granuloma Sperm

1 1

Infiltration Cellular, Lymphoid

1 1

Inflammation, Chronic Active

1 1

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

+ .. Tissue examined microscopically

x .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

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TDMS No. 88148 - 07
 Test Type: CHRONIC
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P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 3,3',4,4'-Tetrachloroazobenzene
 CAS Number: 14047-09-7

Date Report Requested: 04/24/2009
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 First Dose M/F: 02/04/03 / 02/03/03
 Lab: BAT

| | DAY ON TEST | | | | | | | | | | | | | | | | | | | | | | | | | males
(cont...) | |
|-------------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|---|--------------------|--|
| | 0
6
8
9 | 0
5
5
6 | 0
5
2
1 | 0
6
2
4 | 0
5
7
1 | 0
6
2
3 | 0
7
1
8 | 0
5
7
1 | 0
6
2
9 | 0
7
6
2 | 0
5
6
6 | 0
3
4
2 | 0
6
2
7 | 0
4
7
0 | 0
3
5
8 | 0
7
2
8 | 0
4
4
1 | 0
6
4
4 | 0
5
3
3 | 0
6
3
7 | 0
7
0
8 | 0
5
0
4 | 0
0
4
0 | 0
7
0
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 | 0 | | |
| 10 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 | | |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | |
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | |

| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--|--|
| Preputial Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | |
| Atrophy | 3 | | | 3 | | 4 | 4 | | | | 3 | 4 | 4 | | | 4 | 4 | | | | 2 | | 3 | | 3 | | |
| Inflammation, Chronic Active Duct, Ectasia | 3 | | | 3 | | 3 | 4 | | | | 3 | 3 | 3 | | | 4 | 3 | | | | 3 | | 4 | | 3 | | |
| Prostate | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | |
| Fibrosis | | | | | | | | | | | | | | | | | | | | | 3 | | | 2 | | | |
| Infiltration Cellular, Lymphoid Inflammation, Chronic Active Epithelium, Hyperplasia | 3 | 3 | 2 | | 1 | 1 | | 1 | 2 | 2 | | | 1 | 2 | | | 1 | | | 2 | 2 | | 2 | 2 | 1 | | |
| | 3 | 3 | 2 | | 2 | 2 | 2 | | | 3 | | | 4 | | | 1 | | | 2 | 3 | | 2 | 4 | 2 | 4 | | |
| Seminal Vesicle | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | |
| Dilatation | 3 | 3 | 3 | | 4 | | 2 | 2 | 4 | 2 | 2 | | 3 | 3 | 3 | 4 | 3 | 3 | 3 | | 3 | 3 | 3 | 3 | 3 | | |
| Fibrosis | 2 | | | | 2 | | | | | | | | | 2 | 3 | | 3 | | 3 | | | | 2 | 3 | 2 | | |
| Inflammation, Chronic Active Epithelium, Hyperplasia | | | | | 1 | | | | | | | | | 4 | 2 | | 2 | | 2 | | | | 3 | 2 | 4 | | |
| Testes | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | |
| Mineralization | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | |
| Germinal Epithelium, Degeneration | | | | | | | | | | | | | | | | 4 | | | | | | | | | | | |

HEMATOPOIETIC SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--|
| Bone Marrow | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Hyperplasia | | | | | 4 | 4 | 4 | | 4 | | 4 | 2 | 4 | | | | | | | | | | 4 | | | |
| Myelofibrosis | | | | | | | | | | | | | | | | 4 | | | | | | | | | | |
| Lymph Node | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically
 x .. Lesion present
 I .. Insufficient tissue
 M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically
 1-4 .. Lesion qualified as:
 1) Minimal 3) Moderate
 2) Mild 4) Marked
 Page 44

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

males (cont...)

| | | | | | | | | | | | | | | | | | | | | | | | | |
|------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Skin | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Hemorrhage | | | | | | | | | | | | | | | | | | | | | | | | |
| Inflammation, Chronic Active | | | | | 4 | 4 | | 4 | | 3 | 4 | | | | | | | | | | 3 | | | |
| Dermis, Fibrosis | | | | | 4 | 4 | | 3 | | 2 | 4 | | | | | | | | | | 3 | | | |
| Epidermis, Hyperplasia | | | | | 3 | 3 | | 3 | | 3 | 4 | | | | | | | | | | 3 | | | |
| Epidermis, Ulcer | | | | | 4 | 4 | | 4 | | 4 | 4 | | | | | | | | | | | | | |
| Hair Follicle, Dilatation | | 1 | 1 | | 2 | | | 1 | 1 | | | | 2 | | | | | | | | | | | |
| Sebaceous Gland, Atrophy | 1 | | | | 2 | | | | | 2 | | | 4 | 3 | 1 | 4 | | | 4 | | 3 | | 4 | 2 |

MUSCULOSKELETAL SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Bone | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Osteopetrosis | | | | | | | | | | | | | | | | 4 | | | | | | | | |
| Skeletal Muscle | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |

NERVOUS SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | |
|------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Brain | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Neuron, Necrosis | | | | | | | | | | | | | | | | | | | | | | | | |

RESPIRATORY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | |
|------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Lung | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Congestion | | | | | | | | | | | | | 4 | | | | | | | | | | | |

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

+ .. Tissue examined microscopically

x .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

TDMS No. 88148 - 07

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

3,3',4,4'-Tetrachloroazobenzene

CAS Number: 14047-09-7

Date Report Requested: 04/24/2009

Time Report Requested: 14:57:52

First Dose M/F: 02/04/03 / 02/03/03

Lab: BAT

| | DAY ON TEST | | | | | | | | | | | | | | | | | | | | | | | | | |
|-------------------------|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|------------------------|
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | 6 | 5 | 5 | 6 | 5 | 6 | 7 | 5 | 7 | 6 | 3 | 5 | 6 | 4 | 3 | 7 | 4 | 6 | 6 | 5 | 6 | 7 | 5 | 0 | 7 | |
| | 8 | 5 | 2 | 6 | 2 | 7 | 1 | 6 | 2 | 6 | 6 | 4 | 2 | 7 | 5 | 2 | 7 | 4 | 4 | 3 | 3 | 0 | 4 | 0 | 2 | |
| | 9 | 6 | 1 | 4 | 1 | 3 | 8 | 1 | 9 | 2 | 6 | 2 | 7 | 0 | 8 | 8 | 1 | 4 | 0 | 3 | 7 | 0 | 8 | 4 | 9 | |
| 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 | 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 | |
| 10 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 | 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...) |

Fibrosis
Inflammation, Chronic Active
Alveolar Epithelium, Hyperplasia
Alveolus, Infiltration Cellular, Histiocyte

Nose
Hemorrhage
Inflammation, Chronic Active

Pleura

Trachea

SPECIAL SENSES SYSTEM

Ear

Eye

Atrophy
Cornea, Pigmentation

Harderian Gland

Hyperplasia
Infiltration Cellular, Lymphoid
Necrosis

URINARY SYSTEM

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

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

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

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

males (cont...)

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|--------------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--|
| Kidney | + | | | | | | | | | | | | | | | | | | | | | | | | |
| Hydronephrosis | 2 | 3 | 2 | | 2 | | | | | | | 2 | | | | | | | | 2 | | 2 | | | |
| Infarct | | | | | | | | | | | | | | | | | | | | | | | | | |
| Infiltration Cellular, Lymphoid | 2 | | | | | 1 | 1 | | 1 | | 1 | 1 | | | 1 | | | | | | | 2 | | | |
| Inflammation, Chronic Active | | | | | | | | | | | | | | | | | | | | | | | | | |
| Metaplasia, Osseous | | | | | | | | | | | | | | | | | | | | | | | | | |
| Mineralization | 2 | 1 | 2 | | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 1 | 1 | 1 | 2 | 1 | 1 | 1 | | 1 | | | |
| Nephropathy | 3 | 2 | | | | 3 | 1 | | 1 | 1 | | 1 | | 1 | 4 | | | | 1 | | | | | 1 | |
| Cortex, Cyst | | | | | | | | | | | | | | | | | | | | | | | | | |
| Cortex, Cyst, Multiple | 4 | | | | | | | | | | | | | | | | | | | | | | | | |
| Glomerulus, Amyloid Deposition | | | | | | | | | | | | | | | | | | | | | | | | | |
| Papilla, Necrosis | 4 | | | | | | | | | | | | | | | | | | | | | | | | |
| Renal Tubule, Dilatation | 4 | 2 | 3 | | 4 | 2 | | 4 | | 2 | | | 2 | 4 | 3 | 4 | 3 | 2 | 3 | | 3 | 4 | | | |
| Ureter | + | | | | | | | | | | | | | | | | | | | | | | | | |
| Dilatation | 3 | 3 | 2 | | | | | 3 | | 3 | | | 3 | | | | 3 | | 3 | | 3 | | 3 | | |
| Inflammation, Chronic Active | | | | | | | | | | | | | | | | | | | | | | | | | |
| Urethra | + | | | | | | | | | | | | | | | | | | | | | | | | |
| Dilatation | 4 | | | | | | | | | | | | | | | | | | | | | | | | |
| Inflammation, Chronic Active | 1 | | | | | | | | | | | | | | | | | | | | | | | | |
| Transitional Epithelium, Hyperplasia | 4 | | | | | | | | | | | | | | | | | | | | | | | | |
| Urinary Bladder | + | | | | | | | | | | | | | | | | | | | | | | | | |
| Infiltration Cellular, Lymphoid | | | | | | | | | | | | | | | | | | | | | | | | | |
| Inflammation, Chronic Active | 1 | | | 1 | | | | | | | | | | | | | | | | | | | | 1 | |

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

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

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--------|
| Skin | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49 |
| Hemorrhage | | | | | | | | | 1 | | | | | | | | | | | | | | | | 1 1.0 |
| Inflammation, Chronic Active | | | | 3 | | 3 | | | | | | 3 | | 3 | | | | 3 | | | | | 3 | | 12 3.3 |
| Dermis, Fibrosis | | | | 2 | | 2 | | | | | | 2 | | 3 | | | | 4 | | | | | 4 | | 12 3.1 |
| Epidermis, Hyperplasia | | | | 3 | | 3 | | | | | | 3 | | 4 | | | | 3 | | | | | 4 | | 12 3.3 |
| Epidermis, Ulcer | | | | 4 | | 4 | | | | | | 4 | | 4 | | | | 4 | | | | | 4 | | 11 4.0 |
| Hair Follicle, Dilatation | | | | 1 | | 1 | | 1 | | | 1 | | 1 | | 1 | | | | | | | | | 1 | 13 1.2 |
| Sebaceous Gland, Atrophy | | | | 1 | | 2 | | 1 | | 4 | | | 1 | | | | | 2 | | 4 | | 2 | | 4 | 20 2.6 |

MUSCULOSKELETAL SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|-------|
| Bone | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49 |
| Osteopetrosis | | | | | | | | | | | | | | | | | | | | | | | | | 1 4.0 |
| Skeletal Muscle | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49 | |

NERVOUS SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | |
|------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-------|
| Brain | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49 |
| Neuron, Necrosis | | | | 4 | | | | | | | | | | | | | | | | | | | | 1 4.0 |

RESPIRATORY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | |
|------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-------|
| Lung | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49 |
| Congestion | | | | | | | | | | | | | | | | | | | | | | | | 1 4.0 |

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

+ .. Tissue examined microscopically

x .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

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

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--------------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--------|--------|--------|
| Kidney | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49 | |
| Hydronephrosis | | | | 2 | 2 | 2 | | | 3 | | | | 4 | 2 | | | | 4 | 2 | | | | | 3 | 17 2.4 | |
| Infarct | | | | | | | | | 4 | | | | | | | | | | | | | | | | 1 4.0 | |
| Infiltration Cellular, Lymphoid | 1 | | | | | | | | | | 1 | | | | | | 1 | | | | | 1 | | | 12 1.2 | |
| Inflammation, Chronic Active | | | | | | 4 | | | | | | | | | | | | 3 | | 3 | | | | | 5 3.2 | |
| Metaplasia, Osseous | | | | | | | | | | | | | | | | | | | | | | | | | 1 2.0 | |
| Mineralization | 1 | 2 | | 2 | 1 | 1 | | | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | 1 | 2 | 1 | 1 | | 1 | 40 1.2 | | |
| Nephropathy | 1 | 1 | 3 | 1 | | 1 | | | 1 | | 3 | | 1 | 3 | 1 | 2 | | | 3 | 1 | 3 | 2 | 1 | 3 | 28 1.8 | |
| Cortex, Cyst | | | | | | | | | | | | | | 2 | | | | | | | | | | | 2 2.0 | |
| Cortex, Cyst, Multiple | | | | | | | | | | | | | | | | | | | | | | | | | 1 4.0 | |
| Glomerulus, Amyloid Deposition | | | 1 | | | | | | | | 1 | | 1 | | | | | | | | | | | | 4 1.8 | |
| Papilla, Necrosis | | | | | | | | | | | | | | | | | | | | | 4 | | | | 3 4.0 | |
| Renal Tubule, Dilatation | | 3 | | 4 | 2 | 4 | 4 | 2 | | 1 | 2 | 2 | | 2 | 3 | 3 | | | 4 | 3 | | | 4 | 31 3.0 | | |
| Ureter | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | 47 | |
| Dilatation | | | | 3 | 3 | 3 | | | | 2 | | 4 | | | 3 | | 2 | | 4 | 3 | 4 | | | 3 | 4 | 22 3.0 |
| Inflammation, Chronic Active | | | 2 | 3 | 3 | 3 | | | | 2 | | 4 | | 4 | 4 | | 3 | | 4 | 4 | 2 | | 3 | 2 | 24 3.0 | |
| Urethra | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49 | |
| Dilatation | | | | | | | | | | | | | | | | | | | | | | | | 4 | 2 4.0 | |
| Inflammation, Chronic Active | | | | | | | | | | | | | | | | | | | | | | | | | 1 1.0 | |
| Transitional Epithelium, Hyperplasia | | | | | | | | | | | | | | | | | 2 | | | | | | | | 2 3.0 | |
| Urinary Bladder | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49 | |
| Infiltration Cellular, Lymphoid | | | | | | | | | | | | | 1 | | | | | | | | | | 1 | | 4 1.0 | |
| Inflammation, Chronic Active | | | | | | | | | | | | | | | | | | | | | | | | | 1 1.0 | |

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

+ .. Tissue examined microscopically

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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. 88148 - 07

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

3,3',4,4'-Tetrachloroazobenzene

CAS Number: 14047-09-7

Date Report Requested: 04/24/2009

Time Report Requested: 14:57:52

First Dose M/F: 02/04/03 / 02/03/03

Lab: BAT

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

B6C3F1 MICE MALE

30 MG/KG

males (cont...)

Mesentery
Fat, Inflammation, Chronic Active

+

Pancreas
Inflammation, Chronic Active

+ +

Salivary Glands
Infiltration Cellular, Lymphoid

+
1

Stomach, Forestomach
Inflammation, Chronic Active
Epithelium, Hyperplasia
Epithelium, Ulcer

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

Stomach, Glandular
Infiltration Cellular, Lymphoid
Inflammation, Chronic Active
Mineralization
Epithelium, Hyperplasia, Focal
Epithelium, Glands, Cyst
Glands, Cyst

+
1 2 2 2 2 2 1 1 1 1 1 2 2 2 2 2 2 2 2 2 2 2 2
1 2
1 2 1
1

CARDIOVASCULAR SYSTEM

Blood Vessel
Aorta, Mineralization

+
2 1 1

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

+ .. Tissue examined microscopically

x .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

Page 59

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

TDMS No. 88148 - 07
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 3,3',4,4'-Tetrachloroazobenzene
 CAS Number: 14047-09-7

Date Report Requested: 04/24/2009
 Time Report Requested: 14:57:52
 First Dose M/F: 02/04/03 / 02/03/03
 Lab: BAT

| | DAY ON TEST | | | | | | | | | | | | | | | | | | | | | | | | | males
(cont...) |
|-------------------------|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--------------------|
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | 2 | 3 | 3 | 4 | 3 | 3 | 4 | 2 | 4 | 2 | 4 | 3 | 4 | 2 | 4 | 5 | 5 | 5 | 2 | 5 | 2 | 5 | 3 | 3 | 2 | |
| | 8 | 8 | 2 | 8 | 5 | 9 | 4 | 2 | 9 | 0 | 7 | 8 | 1 | 5 | 0 | 2 | 0 | 1 | 6 | 0 | 9 | 0 | 6 | 7 | 3 | |
| | 8 | 1 | 6 | 2 | 9 | 9 | 5 | 1 | 2 | 6 | 0 | 0 | 4 | 0 | 6 | 8 | 5 | 9 | 1 | 8 | 6 | 7 | 6 | 2 | 3 | |
| 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 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 30 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 | 1 | |
| | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | |
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | |

| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--|
| Heart | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | |
| Cardiomyopathy | | | | | | | | | 1 | | | | | 2 | | | | 1 | | 1 | | | 1 | 1 | | | |
| Inflammation, Chronic Active | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Mineralization | | | | | 2 | | | | | | | | | | | | | | | | | | | | | | |
| Necrosis | | | | | | | | | | | | | | | | | | | 2 | | | | | | | 2 | |

ENDOCRINE SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--|
| Adrenal Cortex | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | |
| Bilateral, Accessory Adrenal Cortical Nodule | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Subcapsular, Hyperplasia | | | | 1 | 1 | 1 | 1 | | | 1 | | | 2 | | | | | 1 | | 1 | 1 | 1 | 1 | | 1 | | |
| Adrenal Medulla | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | |
| Islets, Pancreatic | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | |
| Parathyroid Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | |
| Pituitary Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | |
| Pars Distalis, Cyst | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Pars Distalis, Cyst, Multiple | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | |
| Thyroid Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | |

GENERAL BODY SYSTEM

NONE

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically
 x .. Lesion present
 I .. Insufficient tissue
 M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically
 1-4 .. Lesion qualified as:
 1) Minimal 3) Moderate
 2) Mild 4) Marked
 Page 60

TDMS No. 88148 - 07

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

3,3',4,4'-Tetrachloroazobenzene

CAS Number: 14047-09-7

Date Report Requested: 04/24/2009

Time Report Requested: 14:57:52

First Dose M/F: 02/04/03 / 02/03/03

Lab: BAT

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

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 |
| Skin | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Inflammation, Acute | | | 3 | | | | | | | | | | | | | | | | | | | | | |
| Inflammation, Chronic Active | | | | | | | | | 4 | | | | | | | | | | | 3 | 3 | | | |
| Dermis, Fibrosis | | | | | | | | | 4 | | | | | | | | | | | 3 | 3 | | | |
| Epidermis, Hyperplasia | | | 2 | | | | | | 4 | | | | | | | | | | | 3 | 3 | | | |
| Epidermis, Ulcer | | | 3 | | | | | | 4 | | | | | | | | | | | 4 | 4 | | | |
| Hair Follicle, Dilatation | 1 | 2 | 1 | 1 | | 1 | 1 | | | 3 | | 3 | | 1 | | 1 | | 1 | 1 | 2 | 1 | | | |
| Sebaceous Gland, Atrophy | 1 | 1 | 2 | 2 | 1 | | 1 | 4 | | | | 1 | 2 | 1 | | | | | 2 | 3 | | 2 | 1 | |
| Subcutaneous Tissue, Inflammation, Chronic Active | | | | | | | | | 2 | | | | | | | | | | | | | | | |

MUSCULOSKELETAL SYSTEM

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

NERVOUS SYSTEM

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

* .. 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. 88148 - 07
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 3,3',4,4'-Tetrachloroazobenzene
 CAS Number: 14047-09-7

Date Report Requested: 04/24/2009
 Time Report Requested: 14:57:52
 First Dose M/F: 02/04/03 / 02/03/03
 Lab: BAT

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

RESPIRATORY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--|---|
| Lung | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | |
| Inflammation, Chronic Active | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| Alveolar Epithelium, Hyperplasia | | | | | | | | | | | | | | | | | | | | | | | | | | | 3 |
| Nose | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | |
| Trachea | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | |
| Epithelium, Mineralization | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 |

SPECIAL SENSES SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Ear | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | + |
| Eye | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | |
| Atrophy | | | | | | | | | | | | | | | | | | | | | | | | | | | 4 | |
| Harderian Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | |
| Degeneration | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | |
| Infiltration Cellular, Lymphoid | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | |

URINARY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--|
| Kidney | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
|--------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--|

* .. 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. 88148 - 07

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

3,3',4,4'-Tetrachloroazobenzene

CAS Number: 14047-09-7

Date Report Requested: 04/24/2009

Time Report Requested: 14:57:52

First Dose M/F: 02/04/03 / 02/03/03

Lab: BAT

| | DAY ON TEST | | | | | | | | | | | | | | | | | | | | | | | | | males
(cont...) | |
|--------------------------------------|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--------------------|--|
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | |
| | 2 | 3 | 3 | 4 | 3 | 3 | 4 | 2 | 4 | 2 | 4 | 3 | 4 | 2 | 4 | 5 | 5 | 5 | 2 | 5 | 2 | 5 | 3 | 3 | 2 | | |
| | 8 | 8 | 2 | 8 | 5 | 9 | 4 | 2 | 9 | 0 | 7 | 8 | 1 | 5 | 0 | 2 | 0 | 1 | 6 | 0 | 9 | 0 | 6 | 7 | 3 | | |
| | 8 | 1 | 6 | 2 | 9 | 9 | 5 | 1 | 2 | 6 | 0 | 0 | 4 | 0 | 6 | 8 | 5 | 9 | 1 | 8 | 6 | 7 | 6 | 2 | 3 | | |
| 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 | 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 | | |
| 30 MG/KG | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | | | |
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | | |
| Hydronephrosis | 2 | 2 | 2 | 4 | | 2 | 3 | 1 | | | | 2 | 3 | | 2 | 4 | 2 | | 2 | 2 | | | | 2 | | | |
| Infiltration Cellular, Lymphoid | | | | | | | | | 1 | | | | 2 | | | | | | | | | | | | | | |
| Inflammation, Acute | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | |
| Inflammation, Chronic Active | | | 3 | | | | | | | | | | | | | | | | | | | | | | | | |
| Metaplasia, Osseous | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Mineralization | 1 | 1 | 2 | 1 | 2 | 1 | 1 | 1 | | 1 | 2 | | 1 | 1 | 1 | | | 1 | 2 | | 1 | 1 | 1 | 1 | 2 | | |
| Nephropathy | | | | | | 1 | 1 | | 2 | | | 1 | 1 | | 1 | 2 | 2 | | | 1 | 1 | | 1 | 1 | | | |
| Thrombosis | | | | | | | 3 | | | | | | | | | | | | | 1 | | | | | | | |
| Glomerulus, Amyloid Deposition | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | |
| Pelvis, Hyperplasia | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Renal Tubule, Dilatation | 3 | | 2 | 2 | 1 | 3 | 3 | 1 | | 2 | 2 | 3 | 4 | 3 | 3 | 4 | 4 | 3 | 3 | 4 | 4 | 2 | | 4 | 3 | | |
| Ureter | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | |
| Dilatation | 2 | 3 | 3 | 4 | 3 | 3 | 4 | 3 | | | | 2 | 3 | 3 | | | 3 | 2 | 4 | 2 | 2 | 2 | 3 | | 3 | 2 | |
| Inflammation, Chronic Active | 2 | 4 | | | 4 | 2 | 4 | 4 | | | | 4 | 2 | 4 | 2 | 3 | 2 | | 4 | 2 | 2 | 2 | 2 | | 4 | 3 | |
| Urethra | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | |
| Dilatation | | | | | | | | | | | | 4 | | | | | | | | | | | | | | | |
| Urinary Bladder | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | |
| Inflammation, Chronic Active | | | | | | | | | | | | | | | | | | | | | | | | | 2 | | |
| Transitional Epithelium, Hyperplasia | | | 2 | 1 | | | 3 | | | | | | | | | | | | | | | | | | 2 | | |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
+ .. Tissue examined microscopically
x .. Lesion present
I .. Insufficient tissue
M .. Missing tissue
A .. Autolysis precludes evaluation
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TDMS No. 88148 - 07
 Test Type: CHRONIC
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 3,3',4,4'-Tetrachloroazobenzene
 CAS Number: 14047-09-7

Date Report Requested: 04/24/2009
 Time Report Requested: 14:57:52
 First Dose M/F: 02/04/03 / 02/03/03
 Lab: BAT

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

| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|-------|
| Heart | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |
| Cardiomyopathy | | | | | 1 | 3 | | | | | | | | | 2 | | | | | | | | | | | | 9 1.4 |
| Inflammation, Chronic Active | | | | | | 4 | | | | | | | | | | | | | | | | | | | | | 1 4.0 |
| Mineralization | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 2.0 |
| Necrosis | | | | | | | | | | | | | | | | | | | 2 | | | | | | | | 3 2.0 |

ENDOCRINE SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--------|-------|
| Adrenal Cortex | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |
| Bilateral, Accessory Adrenal Cortical Nodule | | | | | | | | | | 2 | | | | | | | | | | | | | | | | | 1 2.0 |
| Subcapsular, Hyperplasia | | 1 | 1 | | 1 | 1 | 1 | | 1 | 1 | | 1 | 1 | 1 | | 1 | 1 | 1 | 1 | | | | | | | 27 1.0 | |
| Adrenal Medulla | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |
| Islets, Pancreatic | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |
| Parathyroid Gland | + | + | + | + | M | M | + | M | + | + | + | M | + | + | + | + | + | M | + | + | + | + | + | + | + | 44 | |
| Pituitary Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |
| Pars Distalis, Cyst | | | | | | | | | | | | 1 | | | | | | | | | | | | 2 | | 3 1.3 | |
| Pars Distalis, Cyst, Multiple | | | | | | | | | | | | | | | | | | | 2 | | | | | | | 1 2.0 | |
| Thyroid Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |

GENERAL BODY SYSTEM

NONE

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically
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 2) Mild 4) Marked

| | DAY ON TEST | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-------------------------------|---------------|
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | |
| | 2 | 3 | 3 | 3 | 5 | 4 | 4 | 4 | 3 | 4 | 2 | 5 | 4 | 2 | 5 | 4 | 4 | 4 | 3 | 5 | 3 | 3 | 4 | 4 | 3 | | |
| | 5 | 9 | 8 | 3 | 0 | 6 | 1 | 7 | 4 | 9 | 4 | 1 | 1 | 3 | 1 | 3 | 9 | 2 | 7 | 0 | 7 | 5 | 8 | 5 | 1 | | |
| | 4 | 2 | 8 | 7 | 7 | 9 | 6 | 0 | 0 | 0 | 2 | 2 | 3 | 5 | 0 | 0 | 1 | 7 | 1 | 5 | 6 | 7 | 4 | 1 | 5 | | |
| 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 | 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 | | |
| | 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, Chronic Active Epithelium, Hyperplasia | 1 | | 1 | | | 2 | | 2 | 2 | | 2 | 2 | 2 | 2 | 2 | 2 | | | 2 | | | | | | | 22 2.0
1 2.0 | |
| Testes | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |
| Mineralization | | | | 2 | | | | | | | | 2 | | | | | | | | | | | | | | 2 2.0 | |
| Germinal Epithelium, Degeneration | | | | 2 | | | | | | | | 2 | | | | | | | | | 2 | | | | | 3 2.0 | |
| HEMATOPOIETIC SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Bone Marrow | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Hyperplasia | 4 | | 4 | | | 4 | 4 | | 4 | | 4 | | | | | 4 | | | 4 | 4 | | | 4 | | | 20 4.0 | |
| Lymph Node, Mandibular | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49 |
| Lymph Node, Mesenteric | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Spleen | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | 49 |
| Atrophy | 3 | 3 | 3 | 3 | 3 | | 3 | 3 | | 3 | 3 | 3 | 3 | | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | | 39 3.0 |
| Hematopoietic Cell Proliferation | | | | | | 3 | | | | 3 | | | | | | 3 | | | | | | | | | | | 7 2.7 |
| Thymus | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49 |
| Atrophy | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 3 | | 4 | 4 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 3 | 4 | 4 | 4 | 4 | 3 | | 45 3.7 |
| Cyst | | | | | | | | 2 | | 2 | | | 3 | | | | | | | | | | | | | | 5 2.2 |
| Cyst, Multiple | 2 | 2 | 2 | | 2 | 2 | 2 | 3 | | 2 | 2 | | | 2 | 2 | 2 | 2 | 2 | | | 2 | 2 | 2 | 2 | 3 | | 35 2.1 |
| Ectopic Parathyroid Gland | | | | | | | | | | | 2 | | | | 2 | 2 | | 2 | 2 | | | 2 | | | | | 9 2.0 |
| Thymocyte, Necrosis | | | 1 | | | | | | | | | | | | 3 | | | | | | | | | | | | 3 2.3 |

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

TDMS No. 88148 - 07
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 3,3',4,4'-Tetrachloroazobenzene
 CAS Number: 14047-09-7

Date Report Requested: 04/24/2009
 Time Report Requested: 14:57:52
 First Dose M/F: 02/04/03 / 02/03/03
 Lab: BAT

| | DAY ON TEST | | | | | | | | | | | | | | | | | | | | | | | | | |
|-------------------------|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------------|
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | |
| | 2 | 3 | 3 | 3 | 5 | 4 | 4 | 4 | 3 | 4 | 2 | 5 | 4 | 2 | 5 | 4 | 4 | 4 | 3 | 5 | 3 | 3 | 4 | 4 | 3 | |
| | 5 | 9 | 8 | 3 | 0 | 6 | 1 | 7 | 4 | 9 | 4 | 1 | 1 | 3 | 1 | 3 | 9 | 2 | 7 | 0 | 7 | 5 | 8 | 5 | 1 | |
| | 4 | 2 | 8 | 7 | 7 | 9 | 6 | 0 | 0 | 0 | 2 | 2 | 3 | 5 | 0 | 0 | 1 | 7 | 1 | 5 | 6 | 7 | 4 | 1 | 5 | |
| 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 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 30 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 | 2 | |
| | 7 | 7 | 7 | 7 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 0 | |
| | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | * TOTALS |

RESPIRATORY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|--------------|
| Lung | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |
| Inflammation, Chronic Active | | | | | | | | | | | | | | | | | | | | | | | | | | 1 1.0 |
| Alveolar Epithelium, Hyperplasia | | | | | | | | | | | | | | | | | | | | | | | | | | 2 2.5 |
| Nose | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |
| Trachea | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |
| Epithelium, Mineralization | | | | | | | | | | | | | | | | | | | | | | | | | | 1 2.0 |

SPECIAL SENSES SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|--------------|
| Ear | | | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| Eye | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |
| Atrophy | | | | | | | | | | | | | | | | | | | | | | | | | | 2 4.0 |
| Harderian Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |
| Degeneration | | | | | | | | | | | | | | | | | | | | | | | | | | 1 2.0 |
| Infiltration Cellular, Lymphoid | | | | | | | | | | | | | | | | | | | | | | | | | | 1 1.0 |

URINARY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|--|
| Kidney | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 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
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TDMS No. 88148 - 07

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

3,3',4,4'-Tetrachloroazobenzene

CAS Number: 14047-09-7

Date Report Requested: 04/24/2009

Time Report Requested: 14:57:52

First Dose M/F: 02/04/03 / 02/03/03

Lab: BAT

| | DAY ON TEST | | | | | | | | | | | | | | | | | | | | | | | | * TOTALS | |
|--------------------------------------|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---------------|---------------|
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | |
| B6C3F1 MICE MALE | 2 | 3 | 3 | 3 | 5 | 4 | 4 | 4 | 3 | 4 | 2 | 5 | 4 | 2 | 5 | 4 | 4 | 4 | 3 | 5 | 3 | 3 | 4 | 4 | 3 | |
| 30 MG/KG | 5 | 9 | 8 | 3 | 0 | 6 | 1 | 7 | 4 | 9 | 4 | 1 | 1 | 3 | 1 | 3 | 9 | 2 | 7 | 0 | 7 | 5 | 8 | 5 | 1 | |
| | 4 | 2 | 8 | 7 | 7 | 9 | 6 | 0 | 0 | 0 | 2 | 2 | 3 | 5 | 0 | 0 | 1 | 7 | 1 | 5 | 6 | 7 | 4 | 1 | 5 | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | ANIMAL ID | | | | | | | | | | | | | | | | | | | | | | | | * TOTALS | |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | 0 |
| | 0 | 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 | |
| | 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 | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Hydronephrosis | | | | | 3 | 2 | 4 | | | | 2 | 2 | 2 | | 2 | 3 | 2 | 2 | | 2 | 1 | | 2 | 2 | 29 2.3 | |
| Infiltration Cellular, Lymphoid | | | | | | | | | 2 | | | | | | | | | | | | | | | | 3 1.7 | |
| Inflammation, Acute | | | | | 2 | 3 | | | | | | | | | | | | | | | | | | | 3 2.0 | |
| Inflammation, Chronic Active | | | | | | | | | | | | | | | | | | | | | | | 2 | | 2 2.5 | |
| Metaplasia, Osseous | | | | | | | 2 | | | | | | | | | | | | | | | | | | 1 2.0 | |
| Mineralization | 1 | 1 | 2 | 2 | 2 | 1 | 1 | 2 | 1 | 1 | | 1 | 1 | | 1 | 1 | 2 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 42 1.3 | |
| Nephropathy | | 1 | | | 1 | 3 | 4 | | | 1 | | 3 | | 1 | 2 | | 1 | | 1 | 1 | | | 1 | | 24 1.5 | |
| Thrombosis | | | | | | | | 3 | | 3 | | | | | | | | | | | | | | | 4 2.5 | |
| Glomerulus, Amyloid Deposition | | | | | | | | | | | | | | | | | | | | | | | | | 1 1.0 | |
| Pelvis, Hyperplasia | | | | | | | | | | | | | | | | 2 | | | | | | | | | 1 2.0 | |
| Renal Tubule, Dilatation | 3 | 4 | 3 | | 4 | 2 | 2 | | | 2 | 4 | 2 | 3 | 3 | 3 | 4 | 2 | 4 | 2 | 3 | 3 | 1 | | 3 | 3 | 43 2.9 |
| | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Ureter | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |
| Dilatation | 2 | | 4 | | 4 | 3 | 4 | 3 | | 2 | 2 | 3 | 2 | 2 | 3 | 3 | 3 | 3 | 2 | 2 | 3 | 3 | 3 | 3 | 42 2.8 | |
| Inflammation, Chronic Active | 2 | 3 | 3 | 4 | | | 2 | 2 | | 2 | 3 | 3 | 3 | | 2 | 4 | 4 | 3 | 3 | | 4 | 3 | 3 | 4 | 39 3.0 | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Urethra | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |
| Dilatation | | | | | 4 | | | | | | | | | | | | | | | | | | | | 2 4.0 | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Urinary Bladder | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |
| Inflammation, Chronic Active | | | | | | | | | | | | | | | | | | | | | | | | | 2 2.0 | |
| Transitional Epithelium, Hyperplasia | | | | | | | | | | | | | | | | | | | | | | | | | 4 2.0 | |

*** END OF MALE DATA ***

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

+ .. Tissue examined microscopically

x .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

| | DAY ON TEST | | | | | | | | | | | | | | | | | | | | | | | | | females
(cont...) |
|---------------------------------------|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----------------------|
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 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 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 | |
| | 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 | |
| Inflammation, Chronic Active | 1 | 1 | 1 | 1 | 2 | 1 | 2 | | | 1 | 1 | 1 | 2 | 1 | 1 | | | 2 | 3 | 1 | 1 | 1 | 2 | 1 | | |
| Mixed Cell Focus | | | | | | | | | | | | | | | | | | | | | | | | | X | |
| Tension Lipidosis | 2 | | | | | | | | | | | | | | | | | | | 1 | | | | | | |
| Hepatocyte, Necrosis | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Hepatocyte, Vacuolization Cytoplasmic | 1 | 2 | | 1 | 1 | | 2 | | | 2 | | 1 | 2 | 2 | | | | | | | 1 | 1 | 1 | 1 | | |
| Mesentery | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Fat, Cyst | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Fat, Fibrosis | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Fat, Inflammation, Chronic Active | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Fat, Necrosis | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Pancreas | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | |
| Basophilic Focus | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Infiltration Cellular, Lymphoid | | | 1 | | 2 | | | | | | | | | | | | | | | | | | | | | |
| Salivary Glands | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | |
| Infiltration Cellular, Lymphoid | | | 1 | 1 | 1 | 2 | 1 | 1 | 1 | | 2 | 1 | | | 2 | 1 | | 1 | 1 | 2 | | 2 | 1 | 2 | 2 | |
| Stomach, Forestomach | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | |
| Infiltration Cellular, Lymphoid | | | | | | | | | | | 1 | | | | | | | | | | | | | | | |
| Inflammation, Chronic Active | | | | | | 2 | | | | | | | | | | | | | | | | | | | | |
| Epithelium, Hyperplasia | | | | | 3 | | | 1 | | | | | | | 2 | 1 | | | | | 2 | | | | | |
| Epithelium, Ulcer | | | | | | | | | | | | | | | | 1 | | | | | | | | | | |
| Stomach, Glandular | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | |
| Infiltration Cellular, Lymphoid | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Infiltration Cellular, Mast Cell | | | | | | | | | | | | | | | | | | | | | | | | | 2 | |
| Inflammation, Chronic Active | | | | | | | | | | | | | | | | | | | | | | | | | 2 | |

* .. 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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1-4 .. Lesion qualified as:
1) Minimal 3) Moderate
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TDMS No. 88148 - 07
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 3,3',4,4'-Tetrachloroazobenzene
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 Lab: BAT

| | DAY ON TEST | | | | | | | | | | | | | | | | | | | | | | | | |
|---------------------------|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 6 | 7 | 7 | 7 | 4 | 7 | 7 | 7 | 5 | 7 | 2 | 7 | 7 | 7 | 7 | 5 | 6 | 6 | 5 | 7 | 7 | 7 | 7 | 7 | 7 |
| | 6 | 3 | 3 | 3 | 7 | 3 | 3 | 0 | 6 | 3 | 6 | 3 | 3 | 3 | 3 | 8 | 1 | 1 | 8 | 3 | 3 | 3 | 3 | 3 | 3 |
| | 7 | 1 | 2 | 2 | 4 | 1 | 1 | 5 | 9 | 3 | 9 | 1 | 3 | 1 | 3 | 3 | 0 | 0 | 7 | 1 | 2 | 2 | 2 | 3 | 2 |
| 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 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 |
| | 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...)

| | | | | | | | | | | | | | | | | | | | | | | | | |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Islets, Pancreatic
Hyperplasia | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + |
| Parathyroid Gland | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | M | M | + | + | + | + | + | + |
| Pituitary Gland
Pars Distalis, Angiectasis
Pars Distalis, Hyperplasia | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + |
| | | | | 1 | | | | | | | 2 | | | | | | | 2 | | | | | | |
| Thyroid Gland
Ectopic Thymus
Infiltration Cellular, Lymphoid
Follicle, Cyst
Follicle, Degeneration | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + |
| | | | | 2 | 1 | | | | | | | | | 2 | 2 | 1 | | | | | | 2 | 2 | |

GENERAL BODY SYSTEM
 NONE

GENITAL SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Clitoral Gland
Atrophy
Inflammation, Chronic Active
Duct, Cyst | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + |
| | | 4 | 2 | 4 | | 4 | 4 | 4 | 3 | | | | | | | 3 | | 3 | 3 | | | 3 | 3 | 3 |
| | | | | | | | | 2 | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | 3 | | | | | |
| Ovary | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically
 x .. Lesion present
 I .. Insufficient tissue
 M .. Missing tissue
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 3,3',4,4'-Tetrachloroazobenzene
 CAS Number: 14047-09-7

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 Lab: BAT

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

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Lymph Node, Mandibular
Hyperplasia, Lymphoid
Necrosis, Lymphoid | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + |
| | | | | | 4 | | | | | | | | | | 3 | | | | 3 | | | | 4 | | |
| Lymph Node, Mesenteric
Hyperplasia, Lymphoid | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + |
| | | | | | | | | | | | | | | | | | | | 3 | | | | | | |
| Spleen
Atrophy
Hematopoietic Cell Proliferation
Lymphoid Follicle, Hyperplasia | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + |
| | | | | | | | | | | | | | | | | 4 | | | 3 | | | | 4 | 4 | |
| Thymus
Atrophy
Cyst
Cyst, Multiple
Ectopic Parathyroid Gland
Ectopic Thyroid
Hyperplasia, Lymphoid
Thymocyte, Necrosis | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | I | + | + | + | + | + | + | + |
| | | | | | 2 | | | | 4 | | | | | | | 4 | | | | | | | | | |
| | | 3 | | 2 | | | | | 2 | | | | | | | | | | | 2 | | | | | |
| | | | 2 | 2 | | 2 | 2 | | | | | | 2 | 2 | 2 | | | | 2 | | | 2 | 2 | 1 | |
| | | 2 | | | | 2 | | | | | | | 2 | 2 | 2 | | | | | | | | | | |
| | | | | | | | | | | | | | | 2 | | | | | | | | | | | |
| | | | | | | 3 | | | | | | | | | | | | | | | | | | | |

INTEGUMENTARY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Mammary Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + |
| Skin
Epidermis, Hyperplasia
Hair Follicle, Dilatation | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + |
| | | | | | | | | | | | | | | | | | | | | | | | | | 1 |

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

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

females (cont...)

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| Inflammation, Chronic Active | 2 | | | | | | | | | | | | | | | | | | | | | | | | |
| Glands, Olfactory Epithelium, Hyperplasia | 3 | | | | | | | | | | | | | | | | | | | | | | | | |
| Olfactory Epithelium, Metaplasia | 2 | | | | | | | | | | | | | | | | | | | | | | | | |
| Trachea | + + + + + + + + + + + + + + + + M + + + + + + + + + | | | | | | | | | | | | | | | | | | | | | | | | |

SPECIAL SENSES SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|---------------------------------|---|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| Ear | Inflammation, Chronic Active | | | | | | | | | | | | | | | | | | | | | | | | |
| Eye | + + + + + + + + + + + + + + + + M + + + + + + + + + | | | | | | | | | | | | | | | | | | | | | | | | |
| Atrophy | 4 | | | | | | | | | | | | | | | | | | | | | | | | |
| Harderian Gland | + + + + + + + + + + + + + + + + M + + + + + + + + + | | | | | | | | | | | | | | | | | | | | | | | | |
| Atrophy | 3 | | | | | | | | | | | | | | | | | | | | | | | | |
| Hyperplasia | 3 | | | | | | | | | | | | | | | | | | | | | | | | |
| Infiltration Cellular, Lymphoid | 1 1 1 2 1 1 1 2 1 | | | | | | | | | | | | | | | | | | | | | | | | |
| Inflammation, Chronic Active | 1 1 1 3 1 1 1 3 1 1 | | | | | | | | | | | | | | | | | | | | | | | | |

URINARY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|---------------------------------|---|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| Kidney | + + + + + + + + + + + + + + + + M + + + + + + + + + | | | | | | | | | | | | | | | | | | | | | | | | |
| Infarct | 4 4 4 | | | | | | | | | | | | | | | | | | | | | | | | |
| Infiltration Cellular, Lymphoid | 1 1 1 1 2 2 1 2 2 1 2 3 1 2 1 1 | | | | | | | | | | | | | | | | | | | | | | | | |
| Mineralization | 1 | | | | | | | | | | | | | | | | | | | | | | | | |
| Nephropathy | 1 1 1 1 3 1 | | | | | | | | | | | | | | | | | | | | | | | | |

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

TDMS No. 88148 - 07

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

3,3',4,4'-Tetrachloroazobenzene

CAS Number: 14047-09-7

Date Report Requested: 04/24/2009

Time Report Requested: 14:57:52

First Dose M/F: 02/04/03 / 02/03/03

Lab: BAT

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

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--------------------------------|---|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|---|-----|---|---|---|-----|
| Mineralization | 1 | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1.0 | | | | |
| Epithelium, Hyperplasia, Focal | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 2.0 | | | | |
| Epithelium, Glands, Cyst | 2 | | | | | | | | | | | | | | | | | | | | | | | | 2 | 2 | 2 | 2 | 8 | 1.6 |
| Tooth Malformation | + | | | | | | | | | | | | | | | | | | | | | | | | 2 | | | | | |
| | X | | | | | | | | | | | | | | | | | | | | | | | | | 2 | | | | |

CARDIOVASCULAR SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------------|---|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|----|-----|
| Blood Vessel | + | | | | | | | | | | | | | | | | | | | | | | | | 49 | |
| Aorta, Mineralization | 1 | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1.0 |
| Heart | + | | | | | | | | | | | | | | | | | | | | | | | | 49 | |
| Cardiomyopathy | 2 | | | | | | | | | | | | | | | | | | | | | | | | 3 | 1.3 |
| Mineralization | 1 | | | | | | | | | | | | | | | | | | | | | | | | 2 | 1.7 |

ENDOCRINE SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--|---|---|----|-----|-----|
| Adrenal Cortex | + | | | | | | | | | | | | | | | | | | | | | | | | 49 | | |
| Accessory Adrenal Cortical Nodule | | | | | | | | | | | | | | | | | | | | | | | | | 2 | 2.5 | |
| Cyst | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 3.0 | |
| Hyperplasia | 2 | | | | | | | | | | | | | | | | | | | | | | | | 1 | 2.0 | |
| Hypertrophy | | | | | | | | | | | | | | | | | | | | | | | | | 2 | 1.0 | |
| Subcapsular, Hyperplasia | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 3 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 1 | | 2 | 2 | 2 | 48 | 2.1 |
| Adrenal Medulla | + | | | | | | | | | | | | | | | | | | | | | | | | 49 | | |
| Hyperplasia | 1 | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1.0 | |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
+ .. Tissue examined microscopically
x .. Lesion present
I .. Insufficient tissue
M .. Missing tissue
A .. Autolysis precludes evaluation
BLANK .. Not examined microscopically
1-4 .. Lesion qualified as:
1) Minimal 3) Moderate
2) Mild 4) Marked
Page 85

TDMS No. 88148 - 07
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 3,3',4,4'-Tetrachloroazobenzene
 CAS Number: 14047-09-7

Date Report Requested: 04/24/2009
 Time Report Requested: 14:57:52
 First Dose M/F: 02/04/03 / 02/03/03
 Lab: BAT

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

Sebaceous Gland, Atrophy 4 1 2 6 2.2

MUSCULOSKELETAL SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|---------------------------------|---|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--------------|
| Bone | + | | | | | | | | | | | | | | | | | | | | | | | | 50 |
| Skeletal Muscle | + + + | | | | | | | | | | | | | | | | | | | | | | | | 4 |
| Infiltration Cellular, Lymphoid | 1 | | | | | | | | | | | | | | | | | | | | | | | | 1 1.0 |

NERVOUS SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|---------------------------------|---|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--------------|
| Brain | + | | | | | | | | | | | | | | | | | | | | | | | | 49 |
| Compression | | | | | | | | | | | | | | | | | | | | | | | | | 4 4.0 |
| Hydrocephalus | | | | | | | | | | | | | | | | | | | | | | | | | 3 3.0 |
| Infiltration Cellular, Lymphoid | 1 | | | | | | | | | | | | | | | | | | | | | | | | 1 1.0 |
| Neuron, Necrosis | | | | | | | | | | | | | | | | | | | | | | | | | 2 1.5 |

RESPIRATORY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|-------------------------------------|---|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--------------|
| Lung | + | | | | | | | | | | | | | | | | | | | | | | | | 49 |
| Infiltration Cellular, Lymphoid | 2 2 3 2 | | | | | | | | | | | | | | | | | | | | | | | | 4 2.3 |
| Alveolar Epithelium, Hyperplasia | | | | | | | | | | | | | | | | | | | | | | | | | 1 1.0 |
| Artery, Mediastinum, Mineralization | 2 | | | | | | | | | | | | | | | | | | | | | | | | 1 2.0 |
| Mediastinum, Inflammation | 3 | | | | | | | | | | | | | | | | | | | | | | | | 1 3.0 |
| Nose | + | | | | | | | | | | | | | | | | | | | | | | | | 50 |

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

TDMS No. 88148 - 07
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 3,3',4,4'-Tetrachloroazobenzene
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 Time Report Requested: 14:57:52
 First Dose M/F: 02/04/03 / 02/03/03
 Lab: BAT

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

females (cont...)

| | | | | | | | | | | | | | | | | | | | | | | | | |
|----------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Adrenal Medulla | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Islets, Pancreatic | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Parathyroid Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + |
| Cyst | | | | | | | | | | | | | | | | | | | | | | | | |
| Cyst, Multiple | | | | | | | | | | | | | | | | | | | | | | | | |
| Pituitary Gland | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Pars Distalis, Angiectasis | | | | | | | | | | | | | | | | | | | | | 1 | | | |
| Pars Distalis, Hyperplasia | | | | | | | | | 2 | | | | | | | | | | | | 2 | 2 | | |
| Thyroid Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Follicle, Cyst | | | | | | | | | | | | | | | | | | | | | | | | 2 |
| Follicle, Degeneration | 2 | 2 | 2 | | 2 | | | | | | 2 | | 2 | 2 | 2 | | | | | 2 | | 2 | 3 | 2 |

GENERAL BODY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | |
|------------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|---|
| Tissue NOS | | | | | | | | | | | | | | | | | | | | | | | | + |
|------------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|---|

GENITAL SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|---------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Clitoral Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Atrophy | 4 | 4 | 3 | 3 | 4 | | 3 | 3 | | 4 | | 3 | 4 | 3 | 3 | 3 | 3 | | 3 | 3 | 4 | 4 | 3 | 3 | |
| Infiltration Cellular, Lymphoid | | | | | | | | | | | | | | | | | | | | | | | | | |
| Inflammation, Chronic Active | | | | | | | | | | | | | | | | | | | | | | | | | |
| Duct, Cyst | 3 | 3 | 3 | 3 | 3 | | 2 | 2 | | 3 | 3 | 2 | 3 | 3 | 2 | 3 | 3 | 3 | 2 | 2 | 3 | 2 | 4 | 2 | 2 |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically
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CAS Number: 14047-09-7

Date Report Requested: 04/24/2009
 Time Report Requested: 14:57:52
 First Dose M/F: 02/04/03 / 02/03/03
 Lab: BAT

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

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Ovary | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Atrophy | 4 | 4 | 3 | 2 | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 3 | 3 | 4 | 4 | 4 | 4 | | 4 | 3 | | 4 | 4 | 4 |
| Cyst | | | | | | | | | 2 | | | | | | | | | | | | | | | 2 | 2 |
| Inflammation, Chronic Active | | | | | | | | | | | | | | | | | | | | | 4 | | | | |
| Bilateral, Cyst | | | | | | | | | | | | | | | | | | | | | | | 2 | | |

| | | | | | | | | | | | | | | | | | | | | | | | | |
|----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Uterus | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Cyst | | | | | | | | 3 | | | | | | | | | | | | | | | | |
| Endometrium, Hyperplasia, Cystic | | 2 | 3 | 2 | 2 | 2 | 2 | 4 | | | 2 | 2 | 4 | 1 | 2 | 2 | 2 | 2 | 2 | 1 | | 1 | 2 | 1 |

| | | | | | | | | | | | | | | | | | | | | | | | | |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Vagina | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Infiltration Cellular, Polymorphonuclear | | 3 | 1 | | 1 | | | 2 | | | | | | | | | 2 | | | | 1 | | 1 | 2 |
| Epithelium, Atrophy | | | | | | | 2 | | | | | | | | | | | | | | | | | |
| Epithelium, Hyperplasia | | | | | | | | | | | | | | | | | | | | | | | | |

HEMATOPOIETIC SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|---------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Bone Marrow | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Hyperplasia | | | | | | | | | | | | 4 | 4 | | 4 | | | | | | | 4 | 4 | | |
| Myelofibrosis | | | 2 | 1 | 1 | 2 | 2 | 2 | | | | | 2 | | | | 1 | 2 | | 2 | 1 | | 3 | 3 | 1 |

| | | | | | | | | | | | | | | | | | | | | | | | | |
|---|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| Lymph Node | | | | | | | | | | | | | | | | | | | | | | | | |
| Mediastinal, Hematopoietic Cell Proliferation | | | | | | | | | | | | | | | | | | | | | | | | |
| Mediastinal, Hyperplasia, Lymphoid | | | | | | | | | | | | | | | | | | | | | | | | |

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

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

TDMS No. 88148 - 07

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

3,3',4,4'-Tetrachloroazobenzene

CAS Number: 14047-09-7

Date Report Requested: 04/24/2009

Time Report Requested: 14:57:52

First Dose M/F: 02/04/03 / 02/03/03

Lab: BAT

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

females (cont...)

| | | |
|--------------------------|---|---------|
| Epidermis, Hyperplasia | 2 | 3 |
| Epidermis, Ulcer | | 4 |
| Sebaceous Gland, Atrophy | 3 | 3 3 4 2 |

MUSCULOSKELETAL SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|---|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| Bone | + | | | | | | | | | | | | | | | | | | | | | | | | |
| Skeletal Muscle Inflammation, Chronic Active | + 2 + | | | | | | | | | | | | | | | | | | | | | | | | |

NERVOUS SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|---|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| Brain Compression | + | | | | | | | | | | | | | | | | | | | | | | | | |
| Meninges, Hemorrhage | 2 | | | | | | | | | | | | | | | | | | | | | | | | |
| Peripheral Nerve Sciatic, Degeneration | | | | | | | | | | | | | | | | | | | | | | | | | |
| Spinal Cord Degeneration | | | | | | | | | | | | | | | | | | | | | | | | | |

RESPIRATORY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|------|---|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| Lung | + | | | | | | | | | | | | | | | | | | | | | | | | |
|------|---|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
+ .. Tissue examined microscopically
x .. Lesion present
I .. Insufficient tissue
M .. Missing tissue
A .. Autolysis precludes evaluation
BLANK .. Not examined microscopically
1-4 .. Lesion qualified as:
1) Minimal 3) Moderate
2) Mild 4) Marked
Page 98

TDMS No. 88148 - 07

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

3,3',4,4'-Tetrachloroazobenzene

CAS Number: 14047-09-7

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| | DAY ON TEST | | | | | | | | | | | | | | | | | | | | | | | | | |
|---------------------------------------|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------------|
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | |
| | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 6 | 7 | 7 | 7 | 7 | 6 | 7 | 6 | 7 | 7 | 5 | 5 | 6 | 7 | 7 | 7 | |
| | 3 | 3 | 3 | 0 | 3 | 3 | 3 | 3 | 3 | 5 | 3 | 3 | 1 | 3 | 6 | 3 | 7 | 3 | 3 | 7 | 9 | 6 | 3 | 3 | 3 | |
| | 3 | 3 | 3 | 9 | 2 | 3 | 2 | 3 | 1 | 1 | 3 | 2 | 7 | 3 | 1 | 3 | 7 | 2 | 1 | 1 | 6 | 4 | 1 | 1 | 2 | |
| 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 | |
| 3 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 | 3 | |
| | 7 | 7 | 7 | 7 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 0 | |
| | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | * TOTALS |
| Mineralization | | | | | | | | | | 1 | | | | | | | | | | | | | | | | 1 1.0 |
| Mixed Cell Focus | X | | | | | | | | | | | | | | | | | | | | | | | | | 3 |
| Tension Lipidosis | 2 | | 2 | | 2 | | | | | | | 1 | | 2 | | | | | | | | | | | | 6 1.8 |
| Bile Duct, Hyperplasia | | | | | | | | | | | | | | | | | | | 2 | | | | | | | 1 2.0 |
| Hepatocyte, Necrosis | | | | | | | | | | | | | | | | | | | 1 | | | | | | | 1 1.0 |
| Hepatocyte, Vacuolization Cytoplasmic | 2 | | | | 1 | | 4 | 2 | 2 | | 3 | 1 | | 2 | | 2 | 1 | | 2 | 2 | 2 | | 2 | 2 | 2 | 33 2.0 |
| Mesentery | + | | | | | | | | | | | + | | + | | | | | + | | | | | | | 12 |
| Fat, Fibrosis | | | | | | | | | | | | 2 | | | | | | | 3 | | | | 2 | | | 6 2.5 |
| Fat, Inflammation, Chronic Active | | | | | | | | | | | | 2 | | | | | | | 2 | | | | 2 | | | 6 2.0 |
| Fat, Mineralization | | | | | | | | | | | | | | | | | | | 1 | | | | | | | 1 1.0 |
| Fat, Necrosis | | | | | | | | | | | 4 | | | | | | | | 4 | | | | 4 | | | 5 4.0 |
| Pancreas | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Infiltration Cellular, Lymphoid | | | | | | | | | | 1 | | | | | | | | | 1 | | | | | 1 | | 5 1.0 |
| Acinus, Atrophy | | | | | | | | | | | | | | | | | | | | | | | | | | 1 3.0 |
| Duct, Cyst | | | | | | | | | | | | | | | | | | | 4 | | | | | | | 1 4.0 |
| Salivary Glands | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Infiltration Cellular, Lymphoid | | | | | | | | | | | | | | | | | | | | | | | | | | 23 1.0 |
| Mineralization | | | | | | | | | | | | | | | | | | | | | | | | | | 1 1.0 |
| Stomach, Forestomach | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Inflammation, Chronic Active | | | | | | | | | | | | | | | | | | | | | | | | | | 4 2.3 |
| Epithelium, Cyst | | | | | | | | | | | | | | | | | | | | 2 | | | | | | 1 2.0 |
| Epithelium, Hyperplasia | 1 | | 1 | | 1 | 1 | 2 | | 1 | | | | | 1 | | | | | 3 | 3 | 3 | | 1 | 1 | 2 | 27 1.5 |
| Epithelium, Ulcer | | | | | | | | | | | | | | | | | | | | | | | | | | 3 3.0 |
| Stomach, Glandular | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 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

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

| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---------------------------------|---|--|--|---|---|---|---|---|--|--|--|--|--|---|--|---|--|---|---|---|---|---|---|---|---|---------------|---------------|
| Infiltration Cellular, Lymphoid | 1 | | | | 2 | | | | | | | | | 2 | | | | 1 | | | 1 | 1 | | | 2 | 2 | 14 1.4 |
| Mineralization | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 4 1.0 |
| Epithelium, Erosion | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 2.0 |
| Epithelium, Hyperplasia, Focal | | | | | 2 | | 2 | 1 | | | | | | 2 | | | | 1 | 2 | | 1 | 1 | 1 | 2 | 1 | 19 1.5 | |
| Epithelium, Ulcer | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 3.0 |
| Epithelium, Glands, Cyst | | | | 1 | | 1 | | 1 | | | | | | 1 | | 2 | | 1 | 2 | 1 | | 1 | 1 | 2 | 2 | 19 1.3 | |
| Tongue | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | |

CARDIOVASCULAR SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-------------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|--------------|
| Blood Vessel | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |
| Aorta, Mineralization | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | 2 3.0 |
| Heart | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |
| Cardiomyopathy | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 5 1.2 |
| Inflammation, Chronic Active | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 2.0 |
| Mineralization | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | 3 1.3 |
| Valve, Inflammation, Chronic Active | | | | | | | | | | | | | | | | | | | | | | | | | | 4 | 1 4.0 |

ENDOCRINE SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|---------------|
| Adrenal Cortex | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |
| Accessory Adrenal Cortical Nodule | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | 2 1.5 |
| Hematopoietic Cell Proliferation | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | 2 2.0 |
| Subcapsular, Hyperplasia | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | 50 2.0 |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically
 x .. Lesion present
 I .. Insufficient tissue
 M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically
 1-4 .. Lesion qualified as:
 1) Minimal 3) Moderate
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TDMS No. 88148 - 07
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|---------------------------|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------------|--|
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 6 | 7 | 7 | 7 | 7 | 6 | 7 | 6 | 7 | 7 | 5 | 5 | 6 | 7 | 7 | |
| | 3 | 3 | 3 | 0 | 3 | 3 | 3 | 3 | 3 | 5 | 3 | 3 | 1 | 3 | 6 | 3 | 7 | 3 | 3 | 7 | 9 | 6 | 3 | 3 | |
| | 3 | 3 | 3 | 9 | 2 | 3 | 2 | 3 | 1 | 1 | 3 | 2 | 7 | 3 | 1 | 3 | 7 | 2 | 1 | 1 | 6 | 4 | 1 | 1 | |
| 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 | | |
| 3 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 | | |
| | 7 | 7 | 7 | 7 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | | |
| | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | * TOTALS | |

| | | | | | | | | | | | | | | | | | | | | | | | | |
|------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---------------|
| Ovary | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Atrophy | | 4 | 3 | 3 | 3 | 4 | | | | 3 | 4 | 3 | 3 | 4 | 3 | 4 | 3 | 3 | 4 | 3 | 4 | 3 | 3 | 44 3.4 |
| Cyst | | | | | | | | | 2 | | | | | | 2 | 3 | 2 | | 2 | | | | | 8 2.1 |
| Inflammation, Chronic Active | | | | | | | | | | | | | | | | | | | | | | | | 1 4.0 |
| Bilateral, Cyst | | | | | | | | | | | | | | | | | | | | | | | | 1 2.0 |

| | | | | | | | | | | | | | | | | | | | | | | | | |
|----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---------------|
| Uterus | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Cyst | | | | | | | | | | | | | | | | | | | | | | | | 1 3.0 |
| Endometrium, Hyperplasia, Cystic | 3 | 2 | 2 | 2 | 3 | 2 | 1 | 3 | 4 | 3 | 1 | 1 | 1 | 2 | 1 | 2 | | 2 | 2 | 2 | 2 | 2 | 3 | 45 2.1 |

| | | | | | | | | | | | | | | | | | | | | | | | | |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---------------|
| Vagina | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Infiltration Cellular, Polymorphonuclear | 2 | | 3 | | | | | | | 2 | | 1 | | | 2 | 1 | 2 | 2 | | 3 | 1 | 1 | 1 | 21 1.7 |
| Epithelium, Atrophy | | | | | | | | | | | 2 | | | | | | | | | | | | | 2 2.0 |
| Epithelium, Hyperplasia | | | | | | | | | | | | | | | | | | | | 3 | | | | 1 3.0 |

HEMATOPOIETIC SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | |
|---------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---------------|
| Bone Marrow | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Hyperplasia | 4 | | | | | | | | | | | | | 4 | | | 4 | | | | | | | 8 4.0 |
| Myelofibrosis | 1 | 2 | 2 | 2 | 2 | 1 | 1 | 2 | 1 | | 1 | 1 | | 2 | | 1 | | | | | 3 | 2 | 2 | 30 1.7 |

| | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--------------|
| Lymph Node | + | | | | | | | | | | | | | | | | | | | | | | | 8 |
| Mediastinal, Hematopoietic Cell Proliferation | | | | | | | | | | | | | | | | | | | | | | | | 1 1.0 |
| Mediastinal, Hyperplasia, Lymphoid | | | | | | | | | | | | | | | | | | | | | | | | 1 3.0 |

| | | | | | | | | | | | | | | | | | | | | | | | | |
|------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------|
| Lymph Node, Mandibular | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49 |
|------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------|

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

| DAY ON TEST | 0 | | | | | | | | | | | | | | | | | | | | | | | | |
|---------------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 4 | 7 | 6 | 7 | 7 | 6 | 5 | 7 | 7 | 7 | 7 | 7 | 6 | 4 | 7 | 6 | 6 | 0 | 7 | 7 | 7 | 7 | 7 | 7 | |
| ANIMAL ID | 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 | |
| 10 MG/KG | 0 | | | | | | | | | | | | | | | | | | | | | | | | |
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 |
| Hematopoietic Cell Proliferation | 1 | 2 | | | | | | 1 | | | | | | 2 | | 1 | 2 | | | | | | | | |
| Infiltration Cellular, Lymphoid | 1 | 2 | | 1 | 1 | 1 | 1 | 2 | 1 | 1 | 1 | 1 | 2 | | | 1 | | | | 1 | 1 | 2 | 1 | 1 | |
| Inflammation, Chronic Active | 2 | 2 | | 1 | 1 | 1 | | 1 | 2 | 1 | 1 | 1 | 1 | | | 1 | | | | 1 | 1 | 2 | 1 | 1 | |
| Mixed Cell Focus | | | | | | | | | | | | | | | | | | | | | X | | | | |
| Tension Lipidosis | | | | | | | | | | | 3 | | | | | | | | | 4 | | | | | |
| Hepatocyte, Necrosis | | | | | | | | | | | | | | | | 3 | | | | | | | | | |
| Hepatocyte, Vacuolization Cytoplasmic | | 1 | | 2 | 1 | | | | | 1 | 4 | 2 | 2 | | | | 4 | | | 3 | 2 | 1 | 2 | 2 | |
| Mesentery | | | | | | | | | | | | | | | | | | | | | | | | | |
| Congestion | | | | | | | | | | | | | | | | | | | | | | | | | |
| Fat, Fibrosis | | | | | | | | | | | | | | | | | | | | | | | 3 | | |
| Fat, Inflammation, Chronic Active | | | | | | | | | | | | | | | | | | | | | | | 2 | | |
| Fat, Mineralization | | | | | | | | | | | | | | | | | | | | | | | | | |
| Fat, Necrosis | | | | | | | | | | | | | | | | | | | | | | | 4 | | |
| Pancreas | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Infiltration Cellular, Lymphoid | | | | 1 | | | | | | 1 | | | | | | | | | | | | | | | |
| Inflammation, Chronic Active | | | | | | | | | 2 | | | | | | | | | | | | | | | | |
| Salivary Glands | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Infiltration Cellular, Lymphoid | | 1 | | | | 1 | | | | | | | | | | | | 1 | | | 1 | | 1 | | |
| Stomach, Forestomach | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Infiltration Cellular, Lymphoid | | | | | | | | | | | | | 2 | | | | | | | | | | | | |
| Inflammation, Chronic Active | | | | | | | | | | | | | | | | 3 | | | | | | | | | |
| Epithelium, Cyst | | | | | | 2 | | | | | | | | | | | | | | | | | | | |
| Epithelium, Hyperplasia | | 2 | 2 | 1 | 2 | 2 | | 1 | 2 | 2 | | 1 | 2 | | 2 | 1 | 3 | 1 | | 2 | 2 | 1 | 1 | 1 | |
| Epithelium, Ulcer | | | | | | | | | | | | | | | 4 | | | | | | | | | | |

females (cont...)

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

TDMS No. 88148 - 07
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 3,3',4,4'-Tetrachloroazobenzene
 CAS Number: 14047-09-7

Date Report Requested: 04/24/2009
 Time Report Requested: 14:57:52
 First Dose M/F: 02/04/03 / 02/03/03
 Lab: BAT

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

B6C3F1 MICE FEMALE
10 MG/KG

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|---------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Stomach, Glandular | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Infiltration Cellular, Lymphoid | | | 1 | | 2 | 1 | | 2 | 2 | 2 | | 2 | | 1 | 2 | | 1 | | | 2 | 2 | | 2 | 2 | 1 |
| Inflammation, Chronic Active | | | | | | | | | | | | | | | | | | | | | | | | | |
| Mineralization | | | | | | | | | 1 | | | 1 | | | | | | | | 1 | | | | | |
| Epithelium, Hyperplasia, Focal | | | 3 | 1 | 2 | 3 | | 1 | | | 2 | 2 | | | | | | | 2 | 1 | | 2 | 2 | | |
| Epithelium, Necrosis | | | | | | | | | | | | | | | | | | | | | | | | | |
| Epithelium, Glands, Cyst | | | 2 | | 1 | | | 2 | 1 | | 2 | | | | | 1 | | | 1 | | | | | | |

CARDIOVASCULAR SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|----------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Blood Vessel | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Heart | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Cardiomyopathy | | | | | | | | | | | | | 1 | 1 | | 2 | | | | | 1 | | | | |
| Mineralization | 1 | | | | | | | | | | | | | | | | | | | | | | | | |

ENDOCRINE SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Adrenal Cortex | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Accessory Adrenal Cortical Nodule | | | | | | | | | | | | | 2 | | | | | | | | | | | | |
| Hematopoietic Cell Proliferation | | | 1 | | | | | | | | | | | | | | | | | | | | | | |
| Subcapsular, Hyperplasia | 2 | 2 | 3 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 3 | 2 | 2 | 2 | 1 | 2 | 2 | | | 2 | 2 | 2 | 2 | 2 | 2 |
| Adrenal Medulla | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Hyperplasia | | | | | | | | | | | | | | | | | | | | | | | | | |
| Islets, Pancreatic | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |

* .. 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

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

females (cont...)

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|----------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Parathyroid Gland | M | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Pituitary Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Pars Distalis, Angiectasis | | | | | | | | | | | | | | | | | | | | | | | | | 2 |
| Pars Distalis, Hyperplasia | | | | | | | | | | | | | | | | | | | | | | | | | 3 |
| Thyroid Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Ectopic Thymus | | | | | | | | | | | | | | | | | | | | | | | | | 2 |
| C-cell, Hyperplasia | | | | | | | | | | | | | | | | | | | | | | | | | |
| Follicle, Degeneration | 2 | | 3 | | 2 | | | 2 | 2 | | 2 | 2 | | 2 | 1 | | 2 | 2 | | 2 | 3 | 2 | | 1 | |

GENERAL BODY SYSTEM

NONE

GENITAL SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|---------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Clitoral Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Atrophy | | 4 | 4 | 4 | 4 | | 4 | | | 4 | | 4 | 4 | 4 | | | 4 | | | 3 | 4 | | 4 | 3 | 4 |
| Infiltration Cellular, Lymphoid | | | | | | | | | | | | | | | | | | | | | | | | | |
| Inflammation, Chronic Active | | | 1 | | | | | | 3 | 2 | | 1 | 2 | 2 | | | | | 3 | 2 | | 2 | 2 | | |
| Duct, Cyst | | 4 | 4 | 3 | 4 | 2 | 3 | | 4 | 3 | 4 | 3 | 3 | 4 | 2 | | 4 | 4 | | 3 | 4 | | 3 | 2 | 3 |
| Ovary | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Atrophy | | 3 | 4 | 3 | 4 | 4 | 4 | 3 | 3 | 3 | 4 | 3 | 3 | 3 | 4 | 3 | 4 | 4 | | 3 | 3 | 3 | 3 | 4 | 3 |
| Cyst | | | | 3 | | 4 | | | | | | | | | | 2 | | | | | | | | | 4 |

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

TDMS No. 88148 - 07

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

3,3',4,4'-Tetrachloroazobenzene

CAS Number: 14047-09-7

Date Report Requested: 04/24/2009

Time Report Requested: 14:57:52

First Dose M/F: 02/04/03 / 02/03/03

Lab: BAT

| DAY ON TEST | 0 | | | | | | | | | | | | | | | | | | | | | | | | |
|---------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 4 7 6 7 7 6 5 7 7 7 7 7 6 4 7 6 6 0 7 7 7 7 7 7 7 | | | | | | | | | | | | | | | | | | | | | | | | |
| ANIMAL ID | 7 3 6 3 3 8 3 3 3 3 1 3 3 2 9 3 9 8 0 3 3 3 3 3 3 | | | | | | | | | | | | | | | | | | | | | | | | |
| | 7 1 1 1 3 5 6 1 1 2 1 3 2 3 1 2 2 3 3 1 2 3 3 3 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 | 0 |
| 10 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 | 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...)

Oviduct Inflammation, Chronic Active

+ 3

Uterus Cyst Inflammation, Chronic Active Endometrium, Hyperplasia, Cystic

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

Vagina Infiltration Cellular, Polymorphonuclear Inflammation, Chronic Active Epithelium, Atrophy

+
1 2 3
2

HEMATOPOIETIC SYSTEM

Bone Marrow Hyperplasia Myelofibrosis

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

Lymph Node Mediastinal, Hyperplasia, Lymphoid Mediastinal, Inflammation, Chronic Active

+
3

Lymph Node, Mandibular Hyperplasia, Lymphoid Pigmentation

+
4 4 4 4

Lymph Node, Mesenteric

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

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

| DAY ON TEST | 0 | | | | | | | | | | | | | | | | | | | | | | | | | |
|---------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 4 7 6 7 7 6 5 7 7 7 7 7 6 4 7 6 6 0 7 7 7 7 7 7 7 | | | | | | | | | | | | | | | | | | | | | | | | | |
| ANIMAL ID | 7 3 6 3 3 8 3 3 3 3 1 3 3 2 9 3 9 8 0 3 3 3 3 3 3 | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 7 1 1 1 3 5 6 1 1 2 1 3 2 3 1 2 2 3 3 1 2 3 3 3 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 | 0 | |
| 10 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 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | |
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 |

females (cont...)

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|----------------------------------|---|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| Hyperplasia, Lymphoid | 3 | | | | | | | | | | | | | | | | | | | | | | | | |
| Spleen | + | | | | | | | | | | | | | | | | | | | | | | | | |
| Amyloid Deposition | 1 | | | | | | | | | | | | | | | | | | | | | | | | |
| Atrophy | 3 | | | | | | | | | | | | | | | | | | | | | | | | |
| Hematopoietic Cell Proliferation | 3 4 2 2 2 4 4 3 3 2 2 2 | | | | | | | | | | | | | | | | | | | | | | | | |
| Hyperplasia, Lymphoid | 2 2 | | | | | | | | | | | | | | | | | | | | | | | | |
| Lymphoid Follicle, Hyperplasia | 4 | | | | | | | | | | | | | | | | | | | | | | | | |
| Thymus | + + I + + M + + + M + + + + M + + + + + + + + + + + | | | | | | | | | | | | | | | | | | | | | | | | |
| Atrophy | 4 4 4 4 3 | | | | | | | | | | | | | | | | | | | | | | | | |
| Cyst | 2 2 1 | | | | | | | | | | | | | | | | | | | | | | | | |
| Cyst, Multiple | 2 2 2 2 1 2 2 2 2 2 3 3 2 | | | | | | | | | | | | | | | | | | | | | | | | |
| Ectopic Parathyroid Gland | 2 2 2 2 2 2 2 2 2 2 2 2 2 | | | | | | | | | | | | | | | | | | | | | | | | |
| Inflammation, Chronic Active | 2 2 2 2 1 2 2 2 2 2 2 2 2 | | | | | | | | | | | | | | | | | | | | | | | | |

INTEGUMENTARY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| Mammary Gland | + | | | | | | | | | | | | | | | | | | | | | | | | |
| Skin | + | | | | | | | | | | | | | | | | | | | | | | | | |
| Inflammation, Chronic Active | 4 4 4 4 4 2 3 | | | | | | | | | | | | | | | | | | | | | | | | |
| Dermis, Fibrosis | 4 4 4 4 4 4 3 | | | | | | | | | | | | | | | | | | | | | | | | |
| Epidermis, Hyperplasia | 4 4 4 4 4 4 4 | | | | | | | | | | | | | | | | | | | | | | | | |
| Epidermis, Ulcer | 4 4 4 4 4 4 4 | | | | | | | | | | | | | | | | | | | | | | | | |
| Hair Follicle, Dilatation | 1 2 1 1 4 4 2 | | | | | | | | | | | | | | | | | | | | | | | | |
| Sebaceous Gland, Atrophy | 1 4 4 2 | | | | | | | | | | | | | | | | | | | | | | | | |
| Subcutaneous Tissue, Inflammation, Chronic Active | 3 2 | | | | | | | | | | | | | | | | | | | | | | | | |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically
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Date Report Requested: 04/24/2009
 Time Report Requested: 14:57:52
 First Dose M/F: 02/04/03 / 02/03/03
 Lab: BAT

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

Subcutaneous Tissue, Metaplasia,
Osseous

MUSCULOSKELETAL SYSTEM

Bone +
 Skeletal Muscle

NERVOUS SYSTEM

Brain +
 Peripheral Nerve +
 Spinal Cord Degeneration +
 2

RESPIRATORY SYSTEM

Lung +
 Inflammation, Chronic Active 1
 Alveolar Epithelium, Hyperplasia 2
 Alveolus, Infiltration Cellular, Histiocyte

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically
 x .. Lesion present
 I .. Insufficient tissue
 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. 88148 - 07
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 3,3',4,4'-Tetrachloroazobenzene
 CAS Number: 14047-09-7

Date Report Requested: 04/24/2009
 Time Report Requested: 14:57:52
 First Dose M/F: 02/04/03 / 02/03/03
 Lab: BAT

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

B6C3F1 MICE FEMALE
10 MG/KG

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

SPECIAL SENSES SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Ear | | | | | | | | | | | | | | | | | | | | | | | | | + |
| Eye | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Optic Nerve, Infiltration Cellular, Lymphoid | | | | | | | | | | | | | | | | | | | | | | | | | |
| Harderian Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Hyperplasia | | | | | | | 3 | | | | | | | | | | | | | | | | | | |
| Infiltration Cellular, Lymphoid | | | | | 1 | | | | 1 | | 1 | | | | | | | | | 1 | 1 | | | 1 | |
| Inflammation, Chronic Active | | | 1 | | | | | | | | | | | | | | | | | 1 | | | | | |
| Zymbal's Gland | | | | | | | | | | | | | | | | | | | | | | | | | |

URINARY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--|
| Kidney | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | |
| Hydronephrosis | | | | | | 4 | | | 2 | | | | | | | | | | | | | | | | | |
| Infarct | | 4 | | | 4 | | | | 4 | | | 4 | 4 | | | | | | | 4 | | | | | | |
| Infiltration Cellular, Lymphoid | | 1 | 1 | 1 | | 1 | 1 | 2 | 1 | 1 | | 1 | 2 | 1 | 1 | 1 | | | | 1 | 2 | | 2 | 1 | 1 | |
| Mineralization | | | 2 | | | 1 | 1 | | | | | | | 2 | | | | | | | | | | | | |
| Nephropathy | 1 | 1 | 1 | 1 | 4 | 1 | | 2 | 4 | 2 | 2 | 1 | 1 | 2 | | 1 | 1 | 3 | | | 3 | 2 | 3 | 1 | 1 | |
| Glomerulus, Amyloid Deposition | | | | | | | | | | | | | 2 | | | | | | | | | | | | | |

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

TDMS No. 88148 - 07
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 Route: GAVAGE
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| DAY ON TEST | 0 | | | | | | | | | | | | | | | | | | | | | | | |
|---------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------------|
| | 5 7 6 7 7 7 7 6 7 7 7 5 7 7 7 6 7 7 7 5 6 7 6 7 | | | | | | | | | | | | | | | | | | | | | | | |
| ANIMAL ID | 4 3 8 3 3 3 3 7 3 3 3 1 3 3 3 1 3 3 3 9 3 3 9 3 | | | | | | | | | | | | | | | | | | | | | | | |
| | 1 3 1 2 1 3 3 7 1 1 3 7 2 3 3 4 3 2 3 3 0 8 1 8 1 | | | | | | | | | | | | | | | | | | | | | | | |
| 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 |
| 10 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 |
| | 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 |

ALIMENTARY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|--------------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----|----|
| Esophagus | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Perforation | | | | | | | | | | | | | | | | | | | | | | | | 1 | |
| Gallbladder | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Infiltration Cellular, Lymphoid | | | | | | | | | | | | | | | | | | | | | | | | 2 | |
| Inflammation, Chronic Active | | | | | | | | | | | | | | | | | | | | | | | | 1.0 | |
| | | | | | | | | | | | | | | | | | | | | | | | | 1 | |
| | | | | | | | | | | | | | | | | | | | | | | | | 3 | |
| | | | | | | | | | | | | | | | | | | | | | | | | 3.0 | |
| Intestine Large, Cecum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | 49 |
| Intestine Large, Colon | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | 49 |
| Intestine Large, Rectum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Intestine Small, Duodenum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Intestine Small, Ileum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | 49 |
| Intestine Small, Jejunum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Peyer's Patch, Hyperplasia, Lymphoid | | | | | | | | | | | | | | | | | | | | | | | | 1 | |
| | | | | | | | | | | | | | | | | | | | | | | | | 4.0 | |
| Liver | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Amyloid Deposition | | | | | | | | | | | | | | | | | | | | | | | | 2 | |
| Basophilic Focus | | | | | | | | | | | | | | | | | | | | | | | | 3 | |
| Clear Cell Focus | | | | | | | | | | | | | | | | | | | | | | | | 1 | |
| Eosinophilic Focus | | | | | | | | | | | | | | | | | | | | | | | | 1 | |

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

| | DAY ON TEST | | | | | | | | | | | | | | | | | | | | | | | | * TOTALS | |
|---------------------------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|-----|----------|--|
| | 0
5
4
1 | 0
7
3
3 | 0
6
8
1 | 0
7
3
2 | 0
7
3
1 | 0
7
3
3 | 0
7
3
3 | 0
6
7
7 | 0
7
3
1 | 0
7
3
1 | 0
7
3
1 | 0
5
1
3 | 0
7
3
7 | 0
7
3
3 | 0
6
3
4 | 0
7
3
3 | 0
7
3
3 | 0
7
3
3 | 0
5
9
0 | 0
6
3
8 | 0
7
3
1 | 0
6
7
8 | 0
7
9
0 | | | |
| B6C3F1 MICE FEMALE
10 MG/KG | ANIMAL ID | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Hematopoietic Cell Proliferation | | | | | | 1 | | | | | | 2 | | | | | | | | 2 | | | | | 9 1.6 | |
| Infiltration Cellular, Lymphoid | | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | | 1 | 3 | 1 | 1 | 1 | 1 | 1 | | 1 | 1 | 1 | 38 1.2 | |
| Inflammation, Chronic Active | | 1 | 1 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | 3 | 1 | 1 | | 1 | 1 | 1 | 1 | | | 1 | 2 | 37 1.2 | |
| Mixed Cell Focus | | | | | | | | | | X | X | | | X | | | | | | | | | | | 4 | |
| Tension Lipidosis | | | | 1 | | | | | | | | | | | | 2 | | | | | | | | | 4 2.5 | |
| Hepatocyte, Necrosis | | | | | | | | | | | | | | | | 2 | | | | | 2 | | | | 3 2.3 | |
| Hepatocyte, Vacuolization Cytoplasmic | | 2 | 4 | 1 | | 1 | 2 | 1 | 2 | 2 | 2 | 1 | 2 | 2 | 2 | 3 | 2 | 2 | 2 | 2 | 4 | 4 | | 3 1 | 35 2.1 | |
| Mesentery | + | | | + | | | | + | | + | | | | | | | | | | | | + | + | | 9 | |
| Congestion | | | | | | | | | | | | | 3 | | | | | | | | | | | | 1 3.0 | |
| Fat, Fibrosis | | | | | 2 | | | | | | | 3 | | | | | | | | | 3 | 2 | | | 5 2.6 | |
| Fat, Inflammation, Chronic Active | | | | | | | | | | | 2 | | | | | | | | | | 3 | 1 | | | 4 2.0 | |
| Fat, Mineralization | | | | 2 | | | | | | | | | | | | | | | | | | 1 | 1 | | 3 1.3 | |
| Fat, Necrosis | | | | 4 | | | | | | | 4 | | | | | | | | | | | 4 | 4 | | 5 4.0 | |
| Pancreas | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |
| Infiltration Cellular, Lymphoid | | 2 | | | | | | | | | | 1 | | | 1 | | | | | | | | | 2 | 6 1.3 | |
| Inflammation, Chronic Active | | | | | | | | | | | | | | | | | | | | | | 3 | | | 2 2.5 | |
| Salivary Glands | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |
| Infiltration Cellular, Lymphoid | | | | 1 | | | | | | | 1 | 1 | 1 | | | 1 | | | 1 | 1 | 1 | | | | 13 1.0 | |
| Stomach, Forestomach | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |
| Infiltration Cellular, Lymphoid | | | | | 1 | | | | | | | | | | | | | | | | | | | | 2 1.5 | |
| Inflammation, Chronic Active | | | | | | | | | | | | | | | | | | | | | | | | | 1 3.0 | |
| Epithelium, Cyst | | | | 2 | | | | | | | | | | | | | | | | | | | | | 2 2.0 | |
| Epithelium, Hyperplasia | | 1 | 2 | 2 | 3 | 2 | 1 | 2 | 2 | 2 | | | 2 | 2 | 2 | | 2 | 2 | 2 | 1 | 2 | | 1 | 2 | 38 1.7 | |
| Epithelium, Ulcer | | | | | | | | | | | | | | | | | | | | | | | | | 1 4.0 | |

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

| DAY ON TEST | 0 | | | | | | | | | | | | | | | | | | | | | | | | * TOTALS | |
|---------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----------|--|
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | |
| | 5 | 7 | 6 | 7 | 7 | 7 | 7 | 6 | 7 | 7 | 7 | 5 | 7 | 7 | 7 | 6 | 7 | 7 | 7 | 5 | 6 | 7 | 6 | 7 | | |
| | 4 | 3 | 8 | 3 | 3 | 3 | 3 | 7 | 3 | 3 | 3 | 1 | 3 | 3 | 3 | 1 | 3 | 3 | 3 | 3 | 9 | 3 | 3 | 9 | 3 | |
| | 1 | 3 | 1 | 2 | 1 | 3 | 3 | 7 | 1 | 1 | 3 | 7 | 2 | 3 | 3 | 4 | 3 | 2 | 3 | 3 | 0 | 8 | 1 | 8 | 1 | |
| 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 | | |
| 10 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 | 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 | 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 | |

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|---------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--------|
| Stomach, Glandular | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Infiltration Cellular, Lymphoid | | 2 | 2 | 2 | 2 | 2 | | | 2 | | 2 | 1 | | | 2 | 2 | 2 | 2 | 1 | 2 | | | 1 | | 30 1.7 |
| Inflammation, Chronic Active | | | | | | | | | 2 | | | | | | | | | | | | | | | | 1 2.0 |
| Mineralization | | | | | | | | | | | | | | | | | | | | | | | | | 3 1.0 |
| Epithelium, Hyperplasia, Focal | | 2 | | | 2 | 2 | 2 | | 2 | 2 | 2 | 2 | | 2 | 2 | | 2 | 1 | 2 | 2 | | | 2 | | 26 1.9 |
| Epithelium, Necrosis | | | 3 | | | | | | | | | | | | | | | | | | | | | | 1 3.0 |
| Epithelium, Glands, Cyst | | | | 1 | 1 | | 1 | 1 | | | 1 | | | 1 | | | | | | | | | | | 13 1.2 |

CARDIOVASCULAR SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|----------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-------|
| Blood Vessel | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Heart | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Cardiomyopathy | | | | | | | | | | | | | | | | | | | | | | | | | 4 1.3 |
| Mineralization | 2 | | | | | | | | | | | | | | | | | | | | | 2 | | | 3 1.7 |

ENDOCRINE SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--------|
| Adrenal Cortex | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Accessory Adrenal Cortical Nodule | | | | | | | | | | | | | | | | | | | | | | | | | 1 2.0 |
| Hematopoietic Cell Proliferation | | | | | | | | | | | | | | | | | | | | | | | | | 1 1.0 |
| Subcapsular, Hyperplasia | | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 47 2.0 |
| Adrenal Medulla | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Hyperplasia | | | | | | | 2 | | | | | | | 2 | | | | | | | | | | | 2 2.0 |
| Islets, Pancreatic | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
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TDMS No. 88148 - 07
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P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

3,3',4,4'-Tetrachloroazobenzene

CAS Number: 14047-09-7

Date Report Requested: 04/24/2009
 Time Report Requested: 14:57:52
 First Dose M/F: 02/04/03 / 02/03/03
 Lab: BAT

| DAY ON TEST | 0 | | | | | | | | | | | | | | | | | | | | | | | |
|---------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------------|
| | 5 7 6 7 7 7 7 6 7 7 7 5 7 7 7 6 7 7 7 7 5 6 7 6 7 | | | | | | | | | | | | | | | | | | | | | | | |
| ANIMAL ID | 4 3 8 3 3 3 3 7 3 3 3 1 3 3 3 1 3 3 3 3 9 3 3 9 3 | | | | | | | | | | | | | | | | | | | | | | | |
| | 1 3 1 2 1 3 3 7 1 1 3 7 2 3 3 4 3 2 3 3 0 8 1 8 1 | | | | | | | | | | | | | | | | | | | | | | | |
| 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 |
| 10 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 |
| | 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 |

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|----------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---------------|
| Parathyroid Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 |
| Pituitary Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Pars Distalis, Angiectasis | | | | | | 2 | | | | | | | | | | | 1 | | | | | | | | 3 1.7 |
| Pars Distalis, Hyperplasia | | | 2 | 2 | | 3 | | | | 2 | | | | | | | 2 | | 2 | | | | | 2 | 8 2.3 |
| Thyroid Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Ectopic Thymus | | | | | | | | | | | | | | | | | 1 | | | | | | | | 2 1.5 |
| C-cell, Hyperplasia | | | | | | | | 4 | | | | | | | | | | | | | | | | | 1 4.0 |
| Follicle, Degeneration | | 2 | 2 | 2 | 2 | | | | 2 | 2 | | 3 | | | | | | | | 3 | 3 | | | | 24 2.1 |

GENERAL BODY SYSTEM

NONE

GENITAL SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---------------|--------------|---------------|
| Clitoral Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | 49 | | |
| Atrophy | 4 | 4 | 4 | 3 | | 3 | 3 | | 4 | 3 | 3 | 4 | 4 | 3 | 3 | 3 | 3 | 4 | 3 | 3 | 3 | 3 | 4 | | 3 | 37 3.6 | | |
| Infiltration Cellular, Lymphoid | | | | | | 1 | | | | | | | | 1 | | 1 | | 2 | | | 1 | 1 | | | | 6 1.2 | | |
| Inflammation, Chronic Active | | | | | | 4 | | 1 | | | 2 | | 2 | | | | 2 | | | 2 | | | 2 | | | 17 2.1 | | |
| Duct, Cyst | 3 | 3 | 3 | 2 | | 3 | 3 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 3 | 4 | 3 | 3 | 3 | | 3 | 43 3.1 | | |
| Ovary | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | | |
| Atrophy | 4 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 3 | 4 | 3 | 4 | | | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 3 | 3 | 4 | 4 | 4 | 3 | 47 3.4 |
| Cyst | | | | | | | | | | | | | 2 | | | | | | | | | | | | | | 5 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

| DAY ON TEST | 0 | | | | | | | | | | | | | | | | | | | | | | | | * TOTALS | |
|---------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----------|---|
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | 0 |
| | 5 | 7 | 6 | 7 | 7 | 7 | 7 | 6 | 7 | 7 | 7 | 5 | 7 | 7 | 7 | 6 | 7 | 7 | 7 | 5 | 6 | 7 | 6 | 7 | | |
| | 4 | 3 | 8 | 3 | 3 | 3 | 3 | 7 | 3 | 3 | 3 | 1 | 3 | 3 | 3 | 1 | 3 | 3 | 3 | 3 | 9 | 3 | 3 | 9 | 3 | |
| | 1 | 3 | 1 | 2 | 1 | 3 | 3 | 7 | 1 | 1 | 3 | 7 | 2 | 3 | 3 | 4 | 3 | 2 | 3 | 3 | 0 | 8 | 1 | 8 | 1 | |
| 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 | |
| 10 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 | 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 | |

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|--------|--------|
| Oviduct | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| Inflammation, Chronic Active | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 3.0 |
| Uterus | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | | |
| Cyst | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 2.0 |
| Inflammation, Chronic Active | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | 1 2.0 |
| Endometrium, Hyperplasia, Cystic | 3 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 1 | 2 | 1 | 2 | 2 | 4 | | 2 | 2 | 2 | 2 | 1 | 1 | 3 | | 2 | | | 45 2.2 | |
| Vagina | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | | |
| Infiltration Cellular, Polymorphonuclear | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | 15 1.7 |
| Inflammation, Chronic Active | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | 3 2.3 |
| Epithelium, Atrophy | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | 3 2.0 |

HEMATOPOIETIC SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|----|--------|
| Bone Marrow | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | | |
| Hyperplasia | | | | | | | | | | | | | | | | | | | | | | | | | | | | 9 4.0 |
| Myelofibrosis | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 33 1.9 |
| Lymph Node | + | | | | | | | | | | | | | | | | | | | | | | | | | | | 9 |
| Mediastinal, Hyperplasia, Lymphoid | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 3.5 |
| Mediastinal, Inflammation, Chronic Active | | | | | | | | | | | | | | | | | | | | | | | | | | | 4 | 1 4.0 |
| Lymph Node, Mandibular | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | | |
| Hyperplasia, Lymphoid | | | | | | | | | | | | | | | | | | | | | | | | | | | | 9 3.7 |
| Pigmentation | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | 1 2.0 |
| Lymph Node, Mesenteric | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | 48 | |

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

TDMS No. 88148 - 07
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

3,3',4,4'-Tetrachloroazobenzene

CAS Number: 14047-09-7

Date Report Requested: 04/24/2009

Time Report Requested: 14:57:52

First Dose M/F: 02/04/03 / 02/03/03

Lab: BAT

| DAY ON TEST | 0 | | | | | | | | | | | | | | | | | | | | | | | | |
|---------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------------|
| | 5 7 6 7 7 7 7 6 7 7 7 5 7 7 7 6 7 7 7 5 6 7 6 7 | | | | | | | | | | | | | | | | | | | | | | | | |
| ANIMAL ID | 4 3 8 3 3 3 3 7 3 3 3 1 3 3 3 1 3 3 3 9 3 3 9 3 | | | | | | | | | | | | | | | | | | | | | | | | |
| | 1 3 1 2 1 3 3 7 1 1 3 7 2 3 3 4 3 2 3 3 0 8 1 8 1 | | | | | | | | | | | | | | | | | | | | | | | | |
| 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 |
| 10 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 | 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 |

Subcutaneous Tissue, Metaplasia, Osseous 1 1.0

MUSCULOSKELETAL SYSTEM

Bone + 50

Skeletal Muscle + 1

NERVOUS SYSTEM

Brain + 50

Peripheral Nerve 1

Spinal Cord Degeneration 1 1.0

RESPIRATORY SYSTEM

Lung + 50

Inflammation, Chronic Active 1 2 2 2 5 1.6

Alveolar Epithelium, Hyperplasia 1 2.0

Alveolus, Infiltration Cellular, Histiocyte 1 1.0

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

TDMS No. 88148 - 07

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

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CAS Number: 14047-09-7

Date Report Requested: 04/24/2009

Time Report Requested: 14:57:52

First Dose M/F: 02/04/03 / 02/03/03

Lab: BAT

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

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

SPECIAL SENSES SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|---|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|----|-------|
| Ear | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | |
| Eye | + | | | | | | | | | | | | | | | | | | | | | | | | | 50 | |
| Optic Nerve, Infiltration Cellular, Lymphoid | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | 1 2.0 |
| Harderian Gland | + | | | | | | | | | | | | | | | | | | | | | | | | | 49 | |
| Hyperplasia | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | 2 2.5 |
| Infiltration Cellular, Lymphoid | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 7 1.0 |
| Inflammation, Chronic Active | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 1.0 |
| Zymbal's Gland | + | | | | | | | | | | | | | | | | | | | | | | | | | 1 | |

URINARY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---------------------------------|---|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|----|--------|
| Kidney | + | | | | | | | | | | | | | | | | | | | | | | | | | 50 | |
| Hydronephrosis | | | | | | | | | | | | | | | | | | | | | | | | | | 4 | 5 3.2 |
| Infarct | | | | | | | | | | | | | | | | | | | | | | | | | | 4 | 11 3.6 |
| Infiltration Cellular, Lymphoid | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 37 1.2 |
| Mineralization | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 13 1.2 |
| Nephropathy | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 38 1.7 |
| Glomerulus, Amyloid Deposition | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 2.0 |

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

| | DAY ON TEST | | | | | | | | | | | | | | | | | | | | | | | | females
(cont...) | | | | |
|---|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|----------------------|------------------|---|---|--|
| | 0
7
1
5 | 0
6
0
3 | 0
5
4
5 | 0
5
2
2 | 0
5
4
3 | 0
6
7
3 | 0
5
4
3 | 0
7
2
3 | 0
5
4
8 | 0
7
2
3 | 0
7
3
1 | 0
7
3
2 | 0
7
3
3 | 0
7
3
3 | 0
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1 | 0
3
1
7 | 0
7
3
7 | 0
4
4
8 | 0
6
6
0 | 0
6
4
8 | 0
6
4
8 | 0
0
1
5 | 0
6
4
5 | 0
6
5
2 | | 0
4
8
5 | | | |
| 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 | |
| 30 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 | |
| | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | |
| | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | |
| | 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 | | | | |
| Infiltration Cellular, Histiocyte | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Infiltration Cellular, Lymphoid | 1 | | | | | | | | | | 1 | | 1 | 1 | 1 | 2 | | | 1 | 1 | 2 | | | | | | | | |
| Inflammation, Chronic Active | | | 2 | | 1 | 1 | | | | | 1 | 1 | 1 | 1 | 1 | 1 | | | 1 | 1 | 1 | 2 | 2 | 2 | 2 | | | | |
| Mineralization | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | |
| Mixed Cell Focus | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Tension Lipidosis | | | | | | | | | | | | | | | | | | | | | | 2 | | | | | | | |
| Bile Duct, Hyperplasia | | | | | 2 | | | | | | | | | | | | | | | | | | | | | | | | |
| Bile Duct, Inflammation, Chronic Active | | | | | 2 | | | | | | | | | | | | | | | | | | | | | | | | |
| Hepatocyte, Necrosis | | | | | 2 | | 2 | | | | | | | | | | | | | 1 | | | | | | | | | |
| Hepatocyte, Vacuolization Cytoplasmic | | | 3 | | | | | | | 1 | | 2 | 2 | 1 | 2 | | | 4 | | | | | | 3 | | | | | |
| Mesentery | + | | | + | | + | | + | | | | | | | | + | | + | | | | + | + | | | | + | | |
| Fat, Fibrosis | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Fat, Inflammation, Chronic Active | | | | | | | | | | | | | | | | | | | 2 | | 2 | | | | | | 2 | | |
| Fat, Necrosis | | | | | | | | | | | | | | | | | | 4 | | | | | | | | | | 4 | |
| Pancreas | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | |
| Congestion | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Infiltration Cellular, Lymphoid | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Inflammation, Chronic Active | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Mineralization | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Duct, Cyst, Multiple | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Salivary Glands | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | |
| Infiltration Cellular, Lymphoid | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Stomach, Forestomach | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | |
| Infiltration Cellular, Lymphoid | | | | | | | | | | | 1 | | | | | | 1 | | | | | | | | | | | | |
| Inflammation, Chronic Active | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | |
| Mineralization | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | |

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

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

B6C3F1 MICE FEMALE

30 MG/KG

| | | | | | | | | | | | | | | | | | | | | | | | | |
|---------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Epithelium, Hyperplasia | 2 | 1 | 1 | 2 | | | 1 | 2 | 2 | 3 | 3 | 2 | 2 | 2 | 2 | 2 | 2 | 1 | 1 | 1 | 2 | 3 | 2 | |
| Stomach, Glandular | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Infiltration Cellular, Lymphoid | | | 1 | 2 | | | | | 2 | | 2 | 2 | | | | | | | | 1 | 1 | 2 | | |
| Inflammation, Chronic Active | | | | | | | | | | | | | | | | | | | | | | | 2 | |
| Mineralization | | | 2 | | | | | | | | | | | | | | | | | | | | | |
| Epithelium, Hyperplasia, Focal | | | | 2 | | | | | 2 | | 2 | 2 | 2 | | | | | 2 | | | | 2 | 3 | 2 |
| Epithelium, Ulcer | | | | | | | | | | | | | | | | | | | | | | | | |
| Epithelium, Glands, Cyst | | | | 1 | | | | | 1 | 1 | 2 | 2 | | | | | | 2 | 2 | | | 3 | 4 | |
| Tongue | | | | | | | | | | | | | | | | | | | | | | | | |

CARDIOVASCULAR SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | |
|------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Blood Vessel | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Aorta, Mineralization | | | | | | | | | | | | | | | | | | | | | | | 2 |
| Heart | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Cardiomyopathy | | | | 1 | | | | | | | | | | | | 1 | | 2 | | | | 2 | 2 |
| Hyperplasia, Atypical | | | | | | | 2 | | | | | | | | | | | | | | | | |
| Inflammation, Chronic Active | | | | | | | | | | | | | | | | | | | | | 2 | | |
| Mineralization | | | | | | 2 | | | | | | | | | | | | | | | | 2 | |

ENDOCRINE SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Adrenal Cortex | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Accessory Adrenal Cortical Nodule | | | | | | | | | | | | | | | | | | | | | | | |

* .. 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. 88148 - 07
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 3,3',4,4'-Tetrachloroazobenzene
 CAS Number: 14047-09-7

Date Report Requested: 04/24/2009
 Time Report Requested: 14:57:52
 First Dose M/F: 02/04/03 / 02/03/03
 Lab: BAT

| DAY ON TEST | ANIMAL ID | | | | | | | | | | | | | | | | | | | | | | | | | females
(cont...) |
|---------------------------|-----------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----------------------|
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 7 | 6 | 5 | 5 | 5 | 6 | 5 | 7 | 7 | 6 | 7 | 7 | 7 | 7 | 3 | 7 | 4 | 6 | 6 | 6 | 6 | 0 | 6 | 6 | 4 | 0 | |
| 1 | 0 | 4 | 2 | 4 | 7 | 4 | 2 | 3 | 4 | 3 | 3 | 3 | 3 | 1 | 3 | 3 | 7 | 4 | 8 | 4 | 1 | 4 | 5 | 8 | | |
| 5 | 3 | 5 | 2 | 3 | 3 | 3 | 8 | 3 | 1 | 2 | 3 | 3 | 1 | 2 | 7 | 3 | 7 | 8 | 0 | 8 | 5 | 5 | 2 | 5 | | |
| B6C3F1 MICE FEMALE | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 30 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 | |
| 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 | 6 | 7 | 7 | 7 | 7 | 7 | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | | |

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--|---|---|---|---|--|---|---|---|---|--|--|---|
| Degeneration, Fatty | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | | | | | | | | | | |
| Inflammation, Chronic Active | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | |
| Subcapsular, Hyperplasia | 2 | 2 | 3 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 1 | 2 | 3 | 2 | | | | | | | | | | | | | |
| Adrenal Medulla | + | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Islets, Pancreatic | + | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Parathyroid Gland Cyst, Multiple | M + + + + + + + M + M + + M + + + M + + + M + + M | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Pituitary Gland Pars Distalis, Angiectasis | + | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Pars Distalis, Cyst | 4 | | | | | | | | | | | | | | | | | | | | | | | | | 2 | | | | | | | | | | |
| Pars Distalis, Hyperplasia | 3 | | | | | | | | | | | | | | | | | | | | | | | | | 3 | 2 | 2 | | | | | | | | |
| Thyroid Gland Follicle, Cyst | + | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Follicle, Degeneration | 1 | 2 | | | | | | | | | | | | | | | | | | | | | | | 2 | | | | | 2 | 2 | 2 | 2 | | | 2 |

GENERAL BODY SYSTEM
 NONE

GENITAL SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|------------------------|---|---|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|---|---|---|---|---|---|---|---|---|---|---|---|---|--|--|---|--|--|---|---|
| Clitoral Gland Atrophy | + | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 4 | 3 | | | | | | | | | | | | | | | | | | | | | | | 3 | 4 | 4 | 3 | 3 | 4 | 4 | 3 | 4 | 4 | 4 | 3 | 4 | | | 4 | | | 4 | 4 |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically
 x .. Lesion present
 I .. Insufficient tissue
 M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically
 1-4 .. Lesion qualified as:
 1) Minimal 3) Moderate
 2) Mild 4) Marked
 Page 131

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

B6C3F1 MICE FEMALE

30 MG/KG

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--|
| Fibrosis | | | | | | | | | | | | | | | | | | | | | | | | | |
| Infiltration Cellular, Lymphoid | | | 2 | | | | | | 2 | | | | | | | 2 | | | | | | | | | |
| Inflammation, Chronic Active | | | | 3 | | 2 | | | | 2 | 3 | 2 | 2 | | | | | | 3 | | | | | 1 | |
| Duct, Cyst | 2 | 3 | 3 | | 4 | 4 | 2 | 4 | 4 | 3 | 3 | 4 | 4 | 4 | 3 | | 4 | 4 | 4 | 3 | 3 | | 4 | 3 | |
| Ovary | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Atrophy | 4 | 4 | 3 | 4 | 3 | 4 | 3 | 4 | 4 | 3 | 4 | 4 | 4 | 4 | | 4 | 4 | 3 | 3 | 4 | | 4 | 4 | 4 | |
| Cyst | | | | | | | | | | | | | 2 | | | | | | | | | | | | |
| Uterus | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Endometrium, Hyperplasia, Cystic | 1 | | | 2 | 1 | 1 | | 2 | 2 | 1 | 2 | 2 | 2 | 2 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | | 2 | 2 | |
| Vagina | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Infiltration Cellular, Lymphoid | | | | | | | | | | | | | | | | | | | | | | | | | |
| Infiltration Cellular, Polymorphonuclear | 2 | | | | 4 | | | | 1 | | 1 | | 1 | 1 | | 1 | | 1 | | 2 | 4 | | 4 | 4 | |
| Epithelium, Atrophy | | | | | | | | | | | | 2 | | | | | | | | | | | | | |

HEMATOPOIETIC SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|------------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--|
| Bone Marrow | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Hyperplasia | | | | 4 | 4 | | 4 | | | 4 | | | | | | | 4 | | 4 | | 4 | | 4 | 4 | |
| Myelofibrosis | | | | | | | | | 2 | | | 1 | 1 | 2 | | | | 2 | | | | | | | |
| Lymph Node | + | + | | | + | + | | | | + | + | | | | + | + | | | | | + | | | | |
| Inguinal, Pigmentation | | 2 | | | | | | | | | | | | | | | | | | | | | | | |
| Mediastinal, Hyperplasia, Lymphoid | | | | | | | | | | | | | | | | | | | | | | | | | |
| Pancreatic, Hematopoietic Cell | | | | | | | | | | | | | | | | | | | | | | | | | |
| Proliferation | | | | | | | | | | | | 1 | | | | | | | | | | | | | |

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

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

B6C3F1 MICE FEMALE

30 MG/KG

Pancreatic, Hyperplasia, Lymphoid
 Pancreatic, Pigmentation
 Renal, Hyperplasia, Lymphoid

2

Lymph Node, Mandibular
 Hyperplasia, Lymphoid
 Necrosis, Lymphoid
 Pigmentation

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

Lymph Node, Mesenteric
 Hyperplasia, Lymphoid

+ M + + +

Spleen
 Amyloid Deposition
 Atrophy
 Hematopoietic Cell Proliferation
 Infarct
 Lymphoid Follicle, Hyperplasia

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

Thymus
 Atrophy
 Cyst
 Cyst, Multiple
 Ectopic Parathyroid Gland
 Inflammation, Chronic Active

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

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. 88148 - 07
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 3,3',4,4'-Tetrachloroazobenzene
 CAS Number: 14047-09-7

Date Report Requested: 04/24/2009
 Time Report Requested: 14:57:52
 First Dose M/F: 02/04/03 / 02/03/03
 Lab: BAT

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

B6C3F1 MICE FEMALE
30 MG/KG

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--|
| Mammary Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Skin | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Inflammation, Chronic Active | | | | | 3 | | 4 | | | | 4 | | | | | | | | 4 | | | | 4 | | |
| Dermis, Fibrosis | | | | | 3 | | 4 | | | | 4 | | | | | | | | 4 | | | | 3 | | |
| Epidermis, Hyperplasia | | | | | 2 | | 4 | | | | 3 | | | | | | | | 4 | | | | 3 | | |
| Epidermis, Ulcer | | | | | 4 | | 4 | | | | 4 | | | | | | | | 4 | | | | 4 | | |
| Hair Follicle, Dilatation | 1 | 1 | 1 | | | 1 | 2 | 1 | | 2 | | | 1 | 2 | | | 2 | 2 | | 2 | | 1 | 1 | | |
| Sebaceous Gland, Atrophy | 4 | 4 | 4 | 3 | | 4 | | 1 | | | | | | 4 | | | 1 | | | | | 4 | 4 | 2 | |

MUSCULOSKELETAL SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--|
| Bone | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Osteopetrosis | | | | | | | | | | | | | | | | | | 3 | | | | | | | |
| Skeletal Muscle | | | | | | | | | | | | | | | | | | | | | | | | | |
| Mineralization | | | | + | | | | | | | | | | + | + | | | | | + | | | + | | |

NERVOUS SYSTEM

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

RESPIRATORY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--|
| Lung | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Hemorrhage | | | | | 3 | | | | | | | | | | | | | | | | | | | | |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
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 x .. Lesion present
 I .. Insufficient tissue
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TDMS No. 88148 - 07
 Test Type: CHRONIC
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 Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 3,3',4,4'-Tetrachloroazobenzene
 CAS Number: 14047-09-7

Date Report Requested: 04/24/2009
 Time Report Requested: 14:57:52
 First Dose M/F: 02/04/03 / 02/03/03
 Lab: BAT

| DAY ON TEST | 0 | | | | | | | | | | | | | | | | | | | | | | | | |
|---------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 7 6 5 5 5 6 5 7 7 6 7 7 7 7 3 7 4 6 6 6 0 6 6 4 | | | | | | | | | | | | | | | | | | | | | | | | |
| ANIMAL ID | 1 0 4 2 4 7 4 2 3 4 3 3 3 3 1 3 3 7 4 8 4 1 4 5 8 | | | | | | | | | | | | | | | | | | | | | | | | |
| | 5 3 5 2 3 3 3 8 3 1 2 3 3 1 2 7 3 7 8 0 8 5 5 2 5 | | | | | | | | | | | | | | | | | | | | | | | | |
| 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 | |
| 30 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 | |
| | 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 | 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 | 1 | 2 | 3 | 4 | 5 |
| | females (cont...) | | | | | | | | | | | | | | | | | | | | | | | | |

URINARY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| Kidney | + | | | | | | | | | | | | | | | | | | | | | | | |
| Hydronephrosis | | | | | | | | | | | | | | | | | | | | | | | | |
| Infarct | | | | | | | | | | | | | | | | | | | | | | | | |
| Infiltration Cellular, Lymphoid | 1 1 1 2 1 1 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | | | | | | | | | | | | | | | | | | | | | | | |
| Inflammation, Chronic Active | | | | | | | | | | | | | | | | | | | | | | | | |
| Mineralization | 1 1 2 3 | | | | | | | | | | | | | | | | | | | | | | | |
| Nephropathy | 3 1 1 2 3 1 1 1 1 3 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | | | | | | | | | | | | | | | | | | | | | | | |
| Glomerulus, Amyloid Deposition | | | | | | | | | | | | | | | | | | | | | | | | |
| Papilla, Necrosis | | | | | | | | | | | | | | | | | | | | | | | | |
| Pelvis, Metaplasia, Osseous | | | | | | | | | | | | | | | | | | | | | | | | |
| Renal Tubule, Accumulation, Hyaline Droplet | 3 | | | | | | | | | | | | | | | | | | | | | | | |
| Renal Tubule, Dilatation | 4 | | | | | | | | | | | | | | | | | | | | | | | |
| Ureter | | | | | | | | | | | | | | | | | | | | | | | | |
| Transitional Epithelium, Hyperplasia | | | | | | | | | | | | | | | | | | | | | | | | |
| Urethra | + + + + + + + + + + + + + + M + + + + + + + + + + + + + + | | | | | | | | | | | | | | | | | | | | | | | |
| Infiltration Cellular, Lymphoid | | | | | | | | | | | | | | | | | | | | | | | | |
| Transitional Epithelium, Hyperplasia | 2 | | | | | | | | | | | | | | | | | | | | | | | |
| Urinary Bladder | | | | | | | | | | | | | | | | | | | | | | | | |
| Infiltration Cellular, Lymphoid | 1 | | | | | | | | | | | | | | | | | | | | | | | |
| Inflammation, Chronic Active | | | | | | | | | | | | | | | | | | | | | | | | |
| Transitional Epithelium, Hyperplasia | 1 | | | | | | | | | | | | | | | | | | | | | | | |

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TDMS No. 88148 - 07

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3,3',4,4'-Tetrachloroazobenzene

CAS Number: 14047-09-7

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First Dose M/F: 02/04/03 / 02/03/03

Lab: BAT

| | DAY ON TEST | | | | | | | | | | | | | | | | | | | | | | | | * TOTALS |
|---|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----------|
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| B6C3F1 MICE FEMALE | 4 | 7 | 7 | 6 | 7 | 7 | 7 | 3 | 6 | 7 | 0 | 7 | 3 | 7 | 7 | 7 | 5 | 6 | 7 | 7 | 7 | 5 | 4 | 6 | 7 |
| 30 MG/KG | 7 | 3 | 3 | 8 | 3 | 3 | 3 | 0 | 8 | 3 | 5 | 3 | 3 | 3 | 3 | 2 | 4 | 5 | 3 | 3 | 3 | 4 | 7 | 8 | 3 |
| | 7 | 2 | 2 | 8 | 3 | 1 | 1 | 4 | 8 | 3 | 0 | 2 | 7 | 3 | 2 | 9 | 0 | 2 | 3 | 2 | 2 | 1 | 7 | 8 | 2 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 3 | 3 | 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 | 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 |
| Infiltration Cellular, Histiocyte | | | | | | | | | | | | | | | | | | | | | | | | | 3 |
| Infiltration Cellular, Lymphoid | 1 | 2 | 1 | 2 | 1 | 2 | | 1 | 2 | | 1 | 1 | 1 | | 1 | 1 | 3 | 1 | 1 | 2 | | 1 | 2 | | 1 |
| Inflammation, Chronic Active | 1 | 2 | | 1 | 1 | 1 | | 1 | 1 | | 1 | 1 | 1 | | 1 | 1 | | 1 | 1 | 2 | | | 1 | 1 | |
| Mineralization | | | | | | | | | | | | | | | | | | | | | | | | | |
| Mixed Cell Focus | | | | | | | | | | | | | | | | | | | | | | | | | X |
| Tension Lipidosis | | | 2 | | | | | | | | | | | | | | | | | | | | 4 | 2 | |
| Bile Duct, Hyperplasia | | | | | | | | | | | | | | | | | 2 | | | | | | | | |
| Bile Duct, Inflammation, Chronic Active | | | | | | | | | | | | | | | | | | | | | | | | | |
| Hepatocyte, Necrosis | | | | | | | | | | | | | | | | | | | | | | | | | |
| Hepatocyte, Vacuolization Cytoplasmic | | 2 | | | 1 | 2 | | 2 | | 1 | | 1 | | 1 | | 1 | | 2 | 1 | | | 2 | | 1 | |
| Mesentery | | | | | | | | | | | | | | | | | | | | | | | | | |
| Fat, Fibrosis | | | | | | | | | | | | | | | | | | | | | | | | | |
| Fat, Inflammation, Chronic Active | | | | | | | | | | | | | | | | | | | | | | | | | |
| Fat, Necrosis | | | | | | | | | | | | | | | | | | | | | | | | | |
| Pancreas | | | | | | | | | | | | | | | | | | | | | | | | | |
| Congestion | | | | | | | | | | | | | | | | | | | | | | | | | |
| Infiltration Cellular, Lymphoid | | | | | | | | | | | | | | | | | | | | | | | | | |
| Inflammation, Chronic Active | | | | | | | | | | | | | | | | | | | | | | | | | |
| Mineralization | | | | | | | | | | | | | | | | | | | | | | | | | |
| Duct, Cyst, Multiple | | | | | | | | | | | | | | | | | | | | | | | | | |
| Salivary Glands | | | | | | | | | | | | | | | | | | | | | | | | | |
| Infiltration Cellular, Lymphoid | | | | | | | | | | | | | | | | | | | | | | | | | |
| Stomach, Forestomach | | | | | | | | | | | | | | | | | | | | | | | | | |
| Infiltration Cellular, Lymphoid | | | | | | | | | | | | | | | | | | | | | | | | | |
| Inflammation, Chronic Active | | | | | | | | | | | | | | | | | | | | | | | | | |
| Mineralization | | | | | | | | | | | | | | | | | | | | | | | | | |

* .. 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. 88148 - 07

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

3,3',4,4'-Tetrachloroazobenzene

CAS Number: 14047-09-7

Date Report Requested: 04/24/2009

Time Report Requested: 14:57:52

First Dose M/F: 02/04/03 / 02/03/03

Lab: BAT

| DAY ON TEST | 0 | | | | | | | | | | | | | | | | | | | | | | | | * TOTALS |
|---------------------------|---|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|----------|
| | 4 7 7 6 7 7 7 3 6 7 0 7 3 7 7 7 5 6 7 7 7 5 4 6 7
7 3 3 8 3 3 3 0 8 3 5 3 3 3 3 2 4 5 3 3 3 4 7 8 3
7 2 2 8 3 1 1 4 8 3 0 2 7 3 2 9 0 2 3 2 2 1 7 8 2 | | | | | | | | | | | | | | | | | | | | | | | | |
| B6C3F1 MICE FEMALE | 0 | | | | | | | | | | | | | | | | | | | | | | | | |
| 30 MG/KG | 0 | | | | | | | | | | | | | | | | | | | | | | | | |
| ANIMAL ID | 3 | | | | | | | | | | | | | | | | | | | | | | | | |
| | 7 7 7 7 8 8 8 8 8 8 8 8 8 8 8 8 9 9 9 9 9 9 9 9 | | | | | | | | | | | | | | | | | | | | | | | | |
| | 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 | | | | | | | | | | | | | | | | | | | | | | | | |

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------|------------|------------|
| Epithelium, Hyperplasia | 3 | 3 | 2 | 3 | | 2 | 1 | 2 | 4 | 1 | 2 | 2 | 3 | 3 | 1 | 2 | 1 | 2 | 2 | 3 | 1 | 2 | 1 | 2 | 43 | 2.0 |
| Stomach, Glandular | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | | |
| Infiltration Cellular, Lymphoid | 2 | 1 | 2 | 3 | 2 | 2 | | 1 | 2 | | 2 | 1 | 2 | | 1 | 2 | 2 | 2 | 2 | 1 | 1 | 2 | | 28 | 1.7 | |
| Inflammation, Chronic Active | | | | | | | | | | | | | | | | | | | | | | | | 1 | 2.0 | |
| Mineralization | | 1 | | | | | | | | | 2 | | | | | | | | | | | | | 3 | 1.7 | |
| Epithelium, Hyperplasia, Focal | 2 | 2 | 2 | 2 | 2 | 3 | | 2 | 2 | | 2 | 2 | 2 | 2 | | 2 | 2 | 2 | 2 | 2 | | 1 | | 28 | 2.1 | |
| Epithelium, Ulcer | | | | | | 2 | | | | | | | | | | | | | | | | | 3 | 1 | 2.0 | |
| Epithelium, Glands, Cyst | 1 | 3 | 2 | 2 | | 2 | 1 | 1 | 2 | | | | | 1 | | | | 1 | 2 | | | 1 | 2 | 22 | 1.8 | |
| Tongue | | | | | | | | | | | | | | | | | | | | | | | | | 1 | |

CARDIOVASCULAR SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------|------------|
| Blood Vessel | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |
| Aorta, Mineralization | | | | | | | | | | | | | | | | | | | | | | | | 1 | 2.0 |
| Heart | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |
| Cardiomyopathy | | | 3 | | | 2 | | 1 | | | 1 | | | | | | | | | | | | | 9 | 1.7 |
| Hyperplasia, Atypical | | | | | | | | | | | | | | | | | | | | | | | | 1 | 2.0 |
| Inflammation, Chronic Active | | | | | | | | | | | | | | | | | | | | | | | | 1 | 2.0 |
| Mineralization | | | | | | | | | | | | | | | | | | | | | | | | 2 | 2.0 |

ENDOCRINE SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------|------------|
| Adrenal Cortex | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |
| Accessory Adrenal Cortical Nodule | | | | | | | | | 2 | | | | | | | | | | | | | | | 1 | 2.0 |

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

TDMS No. 88148 - 07
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 3,3',4,4'-Tetrachloroazobenzene
 CAS Number: 14047-09-7

Date Report Requested: 04/24/2009
 Time Report Requested: 14:57:52
 First Dose M/F: 02/04/03 / 02/03/03
 Lab: BAT

| | DAY ON TEST | | | | | | | | | | | | | | | | | | | | | | | | * TOTALS |
|---------------------------|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----------|
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | 4 | 7 | 7 | 6 | 7 | 7 | 7 | 3 | 6 | 7 | 0 | 7 | 3 | 7 | 7 | 7 | 5 | 6 | 7 | 7 | 7 | 5 | 4 | 6 | 7 |
| | 7 | 3 | 3 | 8 | 3 | 3 | 3 | 0 | 8 | 3 | 5 | 3 | 3 | 3 | 3 | 2 | 4 | 5 | 3 | 3 | 3 | 4 | 7 | 8 | 3 |
| | 7 | 2 | 2 | 8 | 3 | 1 | 1 | 4 | 8 | 3 | 0 | 2 | 7 | 3 | 2 | 9 | 0 | 2 | 3 | 2 | 2 | 1 | 7 | 8 | 2 |
| 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 |
| 30 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 | 4 |
| | 7 | 7 | 7 | 7 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 0 |
| | 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 |

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---------------|
| Degeneration, Fatty | | | | | | | | | | | | | | | | | | | | | | | | | 1 2.0 |
| Inflammation, Chronic Active | | | | | | | | | | | | | | | | | | | | | | | | | 1 1.0 |
| Subcapsular, Hyperplasia | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 1 | 2 | 2 | 2 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| Adrenal Medulla | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Islets, Pancreatic | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Parathyroid Gland | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | M | + | + | + | 41 |
| Cyst, Multiple | | | | | | | | | | | | | | | | | | | | | | | | | 1 2.0 |
| Pituitary Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Pars Distalis, Angiectasis | | | | | | | | | | | | | | | | | | | | | | | | | 2 3.0 |
| Pars Distalis, Cyst | | | | | | | | | | | | | | | | | | | | | | | | | 1 1.0 |
| Pars Distalis, Hyperplasia | | | | | | | | | | | | | | | | | | | | | | | | | 5 2.4 |
| Thyroid Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Follicle, Cyst | | | | | | | | | | | | | | | | | | | | | | | | | 1 3.0 |
| Follicle, Degeneration | | | | | | | | | | | | | | | | | | | | | | | | | 20 2.0 |

GENERAL BODY SYSTEM
 NONE

GENITAL SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|----------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---------------|
| Clitoral Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Atrophy | 3 | 3 | 4 | 3 | 3 | 3 | 3 | 4 | 3 | | 4 | | 3 | 4 | 4 | 4 | 4 | 4 | 3 | 3 | 4 | 4 | 4 | 3 | 40 3.6 |

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

| DAY ON TEST | 0 | | | | | | | | | | | | | | | | | | | | | | | | |
|---------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 4 7 7 6 7 7 7 3 6 7 0 7 3 7 7 7 5 6 7 7 7 5 4 6 7 | | | | | | | | | | | | | | | | | | | | | | | | |
| ANIMAL ID | 7 3 3 8 3 3 3 0 8 3 5 3 3 3 3 2 4 5 3 3 3 4 7 8 3 | | | | | | | | | | | | | | | | | | | | | | | | |
| | 7 2 2 8 3 1 1 4 8 3 0 2 7 3 2 9 0 2 3 2 2 1 7 8 2 | | | | | | | | | | | | | | | | | | | | | | | | |
| 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 |
| 30 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 | 4 |
| | 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 | | | | | | | | | | | | | | | | | | | | | | | | |

| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---------------|--------------|
| Fibrosis | | | | | | | | | | | | | | | | | | | | | | | | | 2 | 1 2.0 | |
| Infiltration Cellular, Lymphoid | | | | | | | | | | | | | | | | | | | | | | | | | | 3 2.0 | |
| Inflammation, Chronic Active | 3 | | 2 | 2 | 3 | | 2 | 1 | 1 | | 3 | 3 | 3 | 2 | 2 | | 3 | 2 | | 3 | 2 | 2 | | | | | |
| Duct, Cyst | 4 | 4 | 4 | 3 | 4 | 3 | 3 | 3 | 4 | | 3 | 4 | 3 | 4 | 4 | 4 | 4 | 4 | 3 | 4 | 3 | 4 | 3 | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | 43 3.5 | |
| Ovary | | | | | | | | | | | | | | | | | | | | | | | | | | 50 | |
| Atrophy | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 3 | 4 | 4 | | 4 | | 3 | 4 | 4 | 3 | 4 | 4 | 4 | 3 | 3 | 3 | 3 | | | |
| Cyst | | | | | | | | | | | | | | | | | | | | | | | | | | 45 3.7 | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | 4 2.3 | |
| Uterus | | | | | | | | | | | | | | | | | | | | | | | | | | 50 | |
| Endometrium, Hyperplasia, Cystic | 1 | 2 | 1 | 2 | 2 | 2 | 1 | 2 | 2 | 2 | | 2 | 2 | 3 | 2 | 2 | 1 | 2 | 2 | 2 | | 1 | 2 | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | 41 1.8 | |
| Vagina | | | | | | | | | | | | | | | | | | | | | | | | | | 50 | |
| Infiltration Cellular, Lymphoid | | | | | | | | | | | | | | | | | | | | | | | | | | 1 2.0 | |
| Infiltration Cellular, Polymorphonuclear | | | | | | | | | | | | | | | | | | | | | | | | | | 18 1.9 | |
| Epithelium, Atrophy | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | 3 1.7 |

HEMATOPOIETIC SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|---|---|---|---|---|--|---|---|---|---|--|---|---|--|---|---|--|--|--|--|--|--|--|--|--|---------------|--|---------------|
| Bone Marrow | | | | | | | | | | | | | | | | | | | | | | | | | | 50 | | |
| Hyperplasia | 4 | 4 | | | | | | | | | | | | | | | | | | | | | | | | | | 16 4.0 |
| Myelofibrosis | 2 | | 2 | 2 | 1 | | 1 | 2 | 2 | 1 | | 1 | 2 | | 1 | 2 | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | 15 1.6 | | |
| Lymph Node | | | | | | | | | | | | | | | | | | | | | | | | | | 16 | | |
| Inguinal, Pigmentation | | | | | | | | | | | | | | | | | | | | | | | | | | 1 2.0 | | |
| Mediastinal, Hyperplasia, Lymphoid | | | | | | | | | | | | | | | | | | | | | | | | | | 1 4.0 | | |
| Pancreatic, Hematopoietic Cell Proliferation | | | | | | | | | | | | | | | | | | | | | | | | | | 1 1.0 | | |

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

TDMS No. 88148 - 07

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

3,3',4,4'-Tetrachloroazobenzene

CAS Number: 14047-09-7

Date Report Requested: 04/24/2009

Time Report Requested: 14:57:52

First Dose M/F: 02/04/03 / 02/03/03

Lab: BAT

| | DAY ON TEST | | | | | | | | | | | | | | | | | | | | | | | | * TOTALS | | | | |
|-----------------------------------|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----------|-------|--------|-------|--|
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | |
| B6C3F1 MICE FEMALE | 4 | 7 | 7 | 6 | 7 | 7 | 7 | 3 | 6 | 7 | 0 | 7 | 3 | 7 | 7 | 7 | 5 | 6 | 7 | 7 | 7 | 5 | 4 | 6 | 7 | | | | |
| 30 MG/KG | 7 | 3 | 3 | 8 | 3 | 3 | 3 | 0 | 8 | 3 | 5 | 3 | 3 | 3 | 3 | 2 | 4 | 5 | 3 | 3 | 3 | 4 | 7 | 8 | 3 | | | | |
| | 7 | 2 | 2 | 8 | 3 | 1 | 1 | 4 | 8 | 3 | 0 | 2 | 7 | 3 | 2 | 9 | 0 | 2 | 3 | 2 | 2 | 1 | 7 | 8 | 2 | | | | |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | |
| | 3 | 3 | 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 | 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 | | | | |
| Pancreatic, Hyperplasia, Lymphoid | | | | | | | | | | | | | | | | | | | | | | | | | 4 | 1 4.0 | | | |
| Pancreatic, Pigmentation | | | | | | | | | | | | | | | | | | | | | | | | | | 4 | 1 2.0 | | |
| Renal, Hyperplasia, Lymphoid | | | | | | | | | | | | | | | | | | | | | | | | | | 4 | 1 4.0 | | |
| Lymph Node, Mandibular | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49 | 15 3.9 | | |
| Hyperplasia, Lymphoid | 4 | | 4 | | | | | | 4 | 4 | | | | | | | 4 | | | | | 4 | 4 | 4 | 4 | | 1 4.0 | | |
| Necrosis, Lymphoid | | | | | | | 4 | | | | | | | | | | | | | | | | | | | | 2 | 2 2.0 | |
| Pigmentation | | | | | | | | | | | | | | | | 2 | | | | | | | | | | | | | |
| Lymph Node, Mesenteric | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49 | 2 3.5 | | |
| Hyperplasia, Lymphoid | | | | | | | | | | | | | | | | | | | | | | 4 | | | | 3 | | | |
| Spleen | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | 4 1.8 | | |
| Amyloid Deposition | | | 2 | | | | | | | | | | | | | | | | | | | | | | 1 | | 3 3.3 | | |
| Atrophy | | | | | | | | | | | | | | | 3 | | | | | | | | | | | | 33 2.7 | | |
| Hematopoietic Cell Proliferation | 3 | | 3 | | 2 | 2 | 3 | | 3 | 2 | | 2 | | | | | 3 | 3 | 2 | 2 | 3 | 4 | 3 | 2 | | 1 4.0 | | | |
| Infarct | | | | | | | | | | | | | 4 | | | | | | | | | | | | | | 1 3.0 | | |
| Lymphoid Follicle, Hyperplasia | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Thymus | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | 48 | 25 3.8 | | |
| Atrophy | 4 | | 4 | 3 | | | | | 3 | | 4 | | | | | 4 | | 4 | | | | | 4 | 4 | 4 | | 3 2.7 | | |
| Cyst | | | | | | | | | | | | | | | | | | | | | | 2 | | | | | 37 2.9 | | |
| Cyst, Multiple | 2 | 2 | 4 | 2 | 3 | 3 | 3 | 2 | 2 | 3 | | | | 4 | 3 | 4 | 2 | | 2 | 2 | 2 | | 2 | 2 | 4 | | 5 2.0 | | |
| Ectopic Parathyroid Gland | | | | | | 2 | | | 4 | 1 | | | | | | | 1 | | | | | | | | 2 | | 5 2.0 | | |
| Inflammation, Chronic Active | | | | | 2 | 2 | | | | | | | | 3 | | | | | | | | | | | 3 | | 5 2.6 | | |

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

TDMS No. 88148 - 07
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 3,3',4,4'-Tetrachloroazobenzene
 CAS Number: 14047-09-7

Date Report Requested: 04/24/2009
 Time Report Requested: 14:57:52
 First Dose M/F: 02/04/03 / 02/03/03
 Lab: BAT

| DAY ON TEST | 0 | | | | | | | | | | | | | | | | | | | | | | | | * TOTALS |
|---------------------------|---|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|----------|
| | 4 7 7 6 7 7 7 3 6 7 0 7 3 7 7 7 5 6 7 7 7 5 4 6 7
7 3 3 8 3 3 3 0 8 3 5 3 3 3 3 2 4 5 3 3 3 4 7 8 3
7 2 2 8 3 1 1 4 8 3 0 2 7 3 2 9 0 2 3 2 2 1 7 8 2 | | | | | | | | | | | | | | | | | | | | | | | | |
| B6C3F1 MICE FEMALE | 0 | | | | | | | | | | | | | | | | | | | | | | | | |
| 30 MG/KG | 0 | | | | | | | | | | | | | | | | | | | | | | | | |
| ANIMAL ID | 3 | | | | | | | | | | | | | | | | | | | | | | | | |
| | 7 7 7 7 8 8 8 8 8 8 8 8 8 8 8 8 9 9 9 9 9 9 9 9 | | | | | | | | | | | | | | | | | | | | | | | | |
| | 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 | | | | | | | | | | | | | | | | | | | | | | | | |

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|------------------------------|---|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--------|
| Mammary Gland | + | | | | | | | | | | | | | | | | | | | | | | | | 50 |
| Skin | + | | | | | | | | | | | | | | | | | | | | | | | | 50 |
| Inflammation, Chronic Active | 4 3 4 3 | | | | | | | | | | | | | | | | | | | | | | | | 11 3.6 |
| Dermis, Fibrosis | 3 | | | | | | | | | | | | | | | | | | | | | | | | 11 3.3 |
| Epidermis, Hyperplasia | 3 3 4 | | | | | | | | | | | | | | | | | | | | | | | | 11 3.2 |
| Epidermis, Ulcer | 4 | | | | | | | | | | | | | | | | | | | | | | | | 11 4.0 |
| Hair Follicle, Dilatation | 1 | | | | | | | | | | | | | | | | | | | | | | | | 23 1.4 |
| Sebaceous Gland, Atrophy | 2 | | | | | | | | | | | | | | | | | | | | | | | | 15 3.0 |

MUSCULOSKELETAL SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------|---|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|-------|
| Bone | + | | | | | | | | | | | | | | | | | | | | | | | | 50 |
| Osteopetrosis | 1 | | | | | | | | | | | | | | | | | | | | | | | | 1 3.0 |
| Skeletal Muscle | + | | | | | | | | | | | | | | | | | | | | | | | | 8 |
| Mineralization | 1 | | | | | | | | | | | | | | | | | | | | | | | | 1 1.0 |

NERVOUS SYSTEM

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

RESPIRATORY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|------------|---|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|-------|
| Lung | + | | | | | | | | | | | | | | | | | | | | | | | | 50 |
| Hemorrhage | 1 | | | | | | | | | | | | | | | | | | | | | | | | 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

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

URINARY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--------|
| Kidney | + | | | | | | | | | | | | | | | | | | | | | | | | 50 |
| Hydronephrosis | | | | | | | | | | | | | | | | | | | | | | | | | 3 3.7 |
| Infarct | | | | | | | | | | | | | | | | | | | | | | | | | 2 4.0 |
| Infiltration Cellular, Lymphoid | 1 1 | | | | | | | | | | | | | | | | | | | | | | | | 26 1.2 |
| Inflammation, Chronic Active | 3 | | | | | | | | | | | | | | | | | | | | | | | | 2 3.5 |
| Mineralization | 1 1 | | | | | | | | | | | | | | | | | | | | | | | | 14 1.6 |
| Nephropathy | 1 3 3 1 1 3 1 1 1 1 1 2 1 1 1 1 1 1 1 1 1 3 1 | | | | | | | | | | | | | | | | | | | | | | | | 41 1.5 |
| Glomerulus, Amyloid Deposition | 4 | | | | | | | | | | | | | | | | | | | | | | | | 5 2.6 |
| Papilla, Necrosis | | | | | | | | | | | | | | | | | | | | | | | | | 2 4.0 |
| Pelvis, Metaplasia, Osseous | | | | | | | | | | | | | | | | | | | | | | | | | 1 2.0 |
| Renal Tubule, Accumulation, Hyaline Droplet | | | | | | | | | | | | | | | | | | | | | | | | | 2 3.0 |
| Renal Tubule, Dilatation | 3 3 2 3 | | | | | | | | | | | | | | | | | | | | | | | | 7 3.0 |
| Ureter | | | | | | | | | | | | | | | | | | | | | | | | | 2 |
| Transitional Epithelium, Hyperplasia | | | | | | | | | | | | | | | | | | | | | | | | | 1 2.0 |
| Urethra | + | | | | | | | | | | | | | | | | | | | | | | | | 49 |
| Infiltration Cellular, Lymphoid | | | | | | | | | | | | | | | | | | | | | | | | | 1 2.0 |
| Transitional Epithelium, Hyperplasia | | | | | | | | | | | | | | | | | | | | | | | | | 3 2.7 |
| Urinary Bladder | + | | | | | | | | | | | | | | | | | | | | | | | | 50 |
| Infiltration Cellular, Lymphoid | 1 | | | | | | | | | | | | | | | | | | | | | | | | 25 1.1 |
| Inflammation, Chronic Active | 4 | | | | | | | | | | | | | | | | | | | | | | | | 2 2.5 |
| Transitional Epithelium, Hyperplasia | 3 2 2 | | | | | | | | | | | | | | | | | | | | | | | | 4 2.5 |

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 + .. Tissue examined microscopically
 x .. Lesion present
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