

TDMS No. 99028 - 05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: RATS/F 344

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Reqsted: 11/12/2007
Time Report Reqsted: 14:57:37
First Dose M/F: 09/16/02 / 09/17/02
Lab: BAT

F1_R2

C Number: C99028
Lock Date: 07/12/2005
Cage Range: ALL
Date Range: ALL
Reasons For Removal: ALL
Removal Date Range: ALL
Treatment Groups: Include ALL
TDMSE Version: 1.9.1

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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	6	5	7	7	6	5	7	7	6	7	5	6	5	7	7	6	7	3	7	6	6	6	7	
		3	3	3	2	2	8	7	2	3	7	2	8	5	8	1	3	9	2	1	3	4	8	9	9	3
		0	4	8	9	9	2	0	9	0	7	9	4	6	3	7	0	1	9	6	0	5	4	5	8	0
FISCHER 344 RATS MALE 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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
		0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	
		1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5
		males (cont...)																								

ALIMENTARY SYSTEM

Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Large, Cecum	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Edema																									
Inflammation																									
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Parasite Metazoan	3				1								1		2			1			1				
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Liver	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Angiectasis																									
Basophilic Focus	X				X		X	X						X	X			X							X
Clear Cell Focus	X			X	X		X	X	X	X			X				X	X							X
Degeneration, Cystic						2		1			1														
Eosinophilic Focus				X			X	X						X	X	X									
Fatty Change				1	1		1	1		1			2			1	2		1		1				2
Fibrosis	1	1	1	1	1	1	1		1	1		1	1	1	2	2	1	1		1	1	1	1		1

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x .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

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1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

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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	6	5	7	7	6	5	7	7	6	7	5	6	5	7	7	6	7	3	7	6	6	6	6	7
FISCHER 344 RATS MALE 0 MG/KG	3	3	3	2	2	8	7	2	3	7	2	8	5	8	1	3	9	2	1	3	4	8	9	9	3
	0	4	8	9	9	2	0	9	0	7	9	4	6	3	7	0	1	9	6	0	5	4	5	8	0
ANIMAL ID	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0 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 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	1	1	1	1	1	1	1	2	1	1	2	2	2	2
males (cont...)																									
Hematopoietic Cell Proliferation																									
Hepatodiaphragmatic Nodule																									
Inflammation	1		1	1	1		1	1	1	1	1		1	1		1	1	2		1	1				1
Mixed Cell Focus													X		X										
Necrosis																									
Bile Duct, Hyperplasia	2	2	2	2	2	1	2	2	2	2	2	2	2	1	2	2	2	3		2	2	2	2	2	2
Centrilobular, Necrosis																							1		
Mesentery					+				+						+								+	+	
Accessory Spleen																									
Fat, Necrosis					4				4						3								2	2	
Oral Mucosa													+		+										
Inflammation, Granulomatous													3												
Gingival, Cyst													2		4										
Pancreas	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Acinus, Atrophy				1	1				2	2				2		2	1		2			4			2
Acinus, Hyperplasia						2												2							2
Duct, Cyst									2	2					1	1	1	4						1	1
Salivary Glands	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Epithelium, Hyperplasia										2															
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Ectopic Tissue																									
Inflammation																									

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	7	6	5	7	7	6	5	7	7	6	7	5	6	5	7	7	6	7	3	7	6	6	6	7
	3	3	3	2	2	8	7	2	3	7	2	8	5	8	1	3	9	2	1	3	4	8	9	3
	0	4	8	9	9	2	0	9	0	7	9	4	6	3	7	0	1	9	6	0	5	4	5	0
.....																								
FISCHER 344 RATS MALE ANIMAL ID 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	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2
.....																								
1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 males (cont...)																								

Ulcer

CARDIOVASCULAR SYSTEM

Blood Vessel	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		
Heart	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		
Cardiomyopathy	1	2	1	2	2		1	1	2	2	2	2	2	1	2	2	1	2		2	2	2	2	3		
Fibrosis	1	2	2	2	2	1	2	2	2	2	2	3	2	2	2	3	1	2	1	2	2	3	1	2	3	
Inflammation, Chronic Active	2																									
Thrombosis	3																				1					
Endothelium, Hyperplasia																										
Myocardium, Infiltration Cellular, Mononuclear Cell	1	2	2	2	2	1	2	2	2	2	2	3	2	2	2	3	1	2	1	2	2	3	1	2	3	
Myocardium, Necrosis	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
Myocardium, Vacuolization Cytoplasmic	1	2	2	2	2	1	2	1	2	2	2	3	2	1	2	3	1	2	1	2	2	3	1	2	3	

ENDOCRINE SYSTEM

Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		
Atrophy	3																									
Hyperplasia	2		1	1	2	1						1		1												
Vacuolization Cytoplasmic	2	1	2	1	2	1		1	1	1						1	1						1	1	2	1
.....																										
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		
Hemorrhage																					3					
Hyperplasia						2					1															
.....																										

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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	0
	7	6	5	7	7	6	5	7	7	6	7	5	6	5	7	7	6	7	3	7	6	6	6	6	7	
	3	3	3	2	2	8	7	2	3	7	2	8	5	8	1	3	9	2	1	3	4	8	9	9	3	
	0	4	8	9	9	2	0	9	0	7	9	4	6	3	7	0	1	9	6	0	5	4	5	8	0	
FISCHER 344 RATS MALE ANIMAL ID 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	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	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5
males (cont...)																										
Hematopoietic Cell Proliferation	1					3			1	1		1	1	1		1		3	1	3					1	
Thymus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Atrophy	2	3	2	4		4	4	3	3	4	4	4	3	3	3	3	3	4		4	4	4	4	4	3	
Ectopic Parathyroid Gland						1																				
INTEGUMENTARY SYSTEM																										
Mammary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	
Hyperplasia			1							1			1	2		1								2		
Skin	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Cyst Epithelial Inclusion																										
Edema			2																							
Hair Follicle, Site Of Application - Epidermis, Atrophy																										
Site Of Application - Dermis, Inflammation			1																					1		
Site Of Application - Epidermis, Ulcer																								1		
MUSCULOSKELETAL SYSTEM																										
Bone	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Joint, Inflammation													1	1												
Skeletal Muscle																								+		

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		7	6	5	7	7	6	5	7	7	6	7	5	6	5	7	7	6	7	3	7	6	6	6	7		
		3	3	3	2	2	8	7	2	3	7	2	8	5	8	1	3	9	2	1	3	4	8	9	9	3	
		0	4	8	9	9	2	0	9	0	7	9	4	6	3	7	0	1	9	6	0	5	4	5	8	0	
FISCHER 344 RATS MALE 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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
		0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	males (cont...)
		1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	

Trachea	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Inflammation																									

SPECIAL SENSES SYSTEM

Eye	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Cataract																									
Retina, Atrophy																									
Sclera, Metaplasia, Osseous		2	2	2	2		1	2			1	1	2	1		2		2		1	1				2
Harderian Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Inflammation																									
Pigmentation, Porphyrin																									
Zymbal's Gland	+																								

URINARY SYSTEM

Kidney	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Nephropathy	1	2		3	2	1	1	2	1	2	2	1	1	1	1	1	2	2		2	2	2	2	1	2
Renal Tubule, Pigmentation, Lipofuscin																									
Urinary Bladder	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Transitional Epithelium, Hyperplasia																									

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Epididymis	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50		
Granuloma Sperm					2																					1	2.0
Inflammation																2										1	2.0
Preputial Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50		
Inflammation	2	2	2	2	2	2	2	2	1	2	2	2	2	2	2	1	2	2	2	2	2	2	1	2	2	50	1.8

2) Mild 4) Marked

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		7	6	7	7	5	6	6	7	4	6	7	7	7	7	7	6	6	7	6	6	6	7	6	6	6	
		2	9	3	2	3	9	6	2	4	5	2	3	2	2	2	8	7	3	9	9	8	3	6	6	2	
		4	1	0	9	3	1	9	9	1	5	9	0	9	9	9	9	7	7	0	1	2	4	0	1	0	
FISCHER 344 RATS MALE ANIMAL ID 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	
		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	0
		* TOTALS																									

Prostate	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Hyperplasia	1	1	2	1		1				1	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	39 1.2
Inflammation	2	2	2	2		2			2	2	2	2	2	1	2	1	2	1	2	2	2	2	2	1	2	44 1.8
Inflammation, Suppurative																										1 2.0
Seminal Vesicle	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Inflammation																					2					2 2.0
Testes	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Germinal Epithelium, Atrophy	4																									2 4.0
Germinal Epithelium, Mineralization																						1				1 1.0

HEMATOPOIETIC SYSTEM

Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Hyperplasia																										3 3.3
Lymph Node							+																	+		4
Lymph Node, Mandibular	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	0
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Ectasia																										1 3.0
Inflammation, Chronic Active						1																				1 1.0
Spleen	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50

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

+ .. Tissue examined microscopically

x .. Lesion present

l .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

Page 14

Date Report Requested: 11/12/2007
Time Report Requested: 14:57:37
First Dose M/F: 09/16/02 / 09/17/02
Lab: BAT

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

Page 15

TDMS No. 99028 - 05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: RATS/F 344

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 11/12/2007
Time Report Requested: 14:57:37
First Dose M/F: 09/16/02 / 09/17/02
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	
		7	6	7	7	5	6	6	7	4	6	7	7	7	7	7	7	6	6	7	6	6	7	6	6	6	
		2	9	3	2	3	9	6	2	4	5	2	3	2	2	2	2	8	7	3	9	6	8	3	6	2	
		4	1	0	9	3	1	9	9	1	5	9	0	9	9	9	9	7	7	0	1	2	4	0	1	0	
FISCHER 344 RATS MALE ANIMAL ID 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		
		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

NERVOUS SYSTEM

Brain	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Hemorrhage	3																										1 3.0
Hydrocephalus	2	3								3	3					3				4	3	3		3			17 2.9
Hypothalamus, Compression	3	4								3	3					3				4	3			4			17 3.4
Spinal Cord									+																		1

RESPIRATORY SYSTEM

Lung	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Inflammation								1			1	1	1				1			3							17 1.2
Metaplasia, Osseous																											1 1.0
Alveolar Epithelium, Hyperplasia	3			3						2																	7 2.0
Nose	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Foreign Body				X								X	X							X		X	X				7
Inflammation		1		2		1		1			1	2	2	1	1					1	2	1	1	2			27 1.5
Polyp, Inflammatory																											1 1.0
Olfactory Epithelium, Accumulation, Hyaline Droplet																											1 2.0
Olfactory Epithelium, Degeneration		1												1						1			2	1			5 1.2
Olfactory Epithelium, Metaplasia, Respiratory				2	2							3	3	2						2				2			9 2.1
Olfactory Epithelium, Metaplasia, Squamous												1															1 1.0

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Page 16

TDMS No. 99028 - 05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: RATS/F 344

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 11/12/2007
Time Report Requested: 14:57:37
First Dose M/F: 09/16/02 / 09/17/02
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		
				5	7	7	7	5	7	6	7	7	6	5	6	6	7	4	7	7	3	5	6	7	7	7	7	5
				8	2	3	2	0	2	5	2	2	1	0	3	7	3	4	3	3	8	8	7	2	2	3	2	2
				4	9	0	9	2	9	4	9	9	7	5	1	0	0	2	0	0	6	6	0	9	9	0	9	6
FISCHER 344 RATS MALE ANIMAL ID 75 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	
				5	5	5	5	5	5	5	5	5	6	6	6	6	6	6	6	6	6	6	7	7	7	7	7	7
				1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5
				males (cont...)																								

ALIMENTARY SYSTEM

Esophagus Inflammation Ulcer	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Large, Cecum Parasite Metazoan	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Large, Colon Parasite Metazoan	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Large, Rectum Parasite Metazoan	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Small, Duodenum Ulcer Epithelium, Hyperplasia	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Small, Ileum Inflammation	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Liver Angiectasis Basophilic Focus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
			1	1						X	X					X				X	X	X			

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BLANK .. Not examined microscopically

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2) Mild 4) Marked

Page 18

TDMS No. 99028 - 05
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: RATS/F 344

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

bis(2-Chloroethoxy)methane

CAS Number: 111-91-1

Date Report Requested: 11/12/2007
 Time Report Requested: 14:57:37
 First Dose M/F: 09/16/02 / 09/17/02
 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
	5	7	7	7	5	7	6	7	7	6	5	6	6	7	4	7	7	3	5	6	7	7	7	7	5
	8	2	3	2	0	2	5	2	2	1	0	3	7	3	4	3	3	8	8	7	2	2	3	2	2
	4	9	0	9	2	9	4	9	9	7	5	1	0	0	2	0	0	6	6	0	9	9	0	9	6
FISCHER 344 RATS MALE 75 MG/KG	ANIMAL ID																								
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	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	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
Clear Cell Focus			X	X		X		X						X		X	X					X	X	X	
Degeneration, Cystic												1				1			2						
Eosinophilic Focus			X	X										X	X				X	X					
Fatty Change			2								1		2	1	2		1	2	2						
Fibrosis		2	1			1	1	2		1				1		1		1	2	2	2	1			
Hepatodiaphragmatic Nodule								X		X															
Inflammation			1	1		1		1	1				1	1	1	1	1	1		1	1	1	1	1	1
Mixed Cell Focus				X				X											X						
Necrosis																				1					
Bile Duct, Cyst	1																								
Bile Duct, Hyperplasia	3	3	2	2	2	2	2	2	2	2	2	1	3	1	1	1	2	1	2	3	2	2	2	2	1
Centrilobular, Necrosis					2		2						2						2						
Mesentery						+							+									+		+	
Fat, Necrosis						3							2									3		2	
Pancreas	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Acinus, Atrophy										1		1	2			3	1				2	3			
Acinus, Hyperplasia																									
Duct, Cyst	2						1																		3
Salivary Glands	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Inflammation							3																		
Ulcer							3																		
Epithelium, Hyperplasia														3											
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+

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+ .. Tissue examined microscopically

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I .. Insufficient tissue

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BLANK .. Not examined microscopically

Page 19

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

TDMS No. 99028 - 05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: RATS/F 344

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 11/12/2007
Time Report Requested: 14:57:37
First Dose M/F: 09/16/02 / 09/17/02
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
	5	7	7	7	5	7	6	7	7	6	5	6	6	7	4	7	7	3	5	6	7	7	7	7	5
	8	2	3	2	0	2	5	2	2	1	0	3	7	3	4	3	3	8	8	7	2	2	3	2	2
	4	9	0	9	2	9	4	9	9	7	5	1	0	0	2	0	0	6	6	0	9	9	0	9	6
FISCHER 344 RATS MALE ANIMAL ID 75 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	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...)																									

Inflammation
Mineralization
Ulcer

1
3

CARDIOVASCULAR SYSTEM

Blood Vessel	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Heart	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Cardiomyopathy	2	1	2	2	1	2	1	1	1	2	1		1	2	1	2	1		2	2	1	1	1	2	1
Fibrosis	3	2	2	3	3	3	3	3	2	2	1	3	1	2	1	2	2	1	3	1	1	3	2	3	2
Thrombosis																									
Coronary Artery, Inflammation																									
Myocardium, Infiltration Cellular, Mononuclear Cell																								2	
Myocardium, Necrosis	3	2	2	3	3	3	3	3	2	2	1	3	1	2	1	2	2	1	3	1	1	3	2	3	2
Myocardium, Vacuolization Cytoplasmic	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
	3	2	2	3	3	3	3	3	2	2	1	3	1	2	1	2	2	1	3	1	1	3	2	3	2

ENDOCRINE SYSTEM

Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Hyperplasia					3	1				1				2		2	1			1	1	1	2		2
Vacuolization Cytoplasmic	1		1		2	1	3	1	1	1	1		2		1	1	1	1		1	1	2	2	2	2
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Angiectasis												2													
Hyperplasia		1					2									2						1	1		

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Page 20

TDMS No. 99028 - 05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: RATS/F 344

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Reqsted: 11/12/2007
Time Report Reqsted: 14:57:37
First Dose M/F: 09/16/02 / 09/17/02
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
		5	7	7	7	5	7	6	7	7	6	5	6	6	7	4	7	7	3	5	6	7	7	7	7	5
		8	2	3	2	0	2	5	2	2	1	0	3	7	3	4	3	3	8	8	7	2	2	3	2	2
		4	9	0	9	2	9	4	9	9	7	5	1	0	0	2	0	0	6	6	0	9	9	0	9	6
FISCHER 344 RATS 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
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
75 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
		5	5	5	5	5	5	5	5	6	6	6	6	6	6	6	6	6	6	7	7	7	7	7	7	7
		1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5
		males (cont...)																								
Islets, Pancreatic Hyperplasia		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
		3 2																								
Parathyroid Gland Hyperplasia		+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
		3																								
Pituitary Gland Angiectasis		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Cyst				4	4		2				3	4		3	2		4			4		2	2	2	4	4
Pars Distalis, Hyperplasia						1			2					1												
						3	2		2				2	2	1					1		2				
Thyroid Gland Cyst		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Inflammation																										
C-cell, Hyperplasia				1		1		1		1		1	1	1	1						2	1				
Follicle, Cyst																									X	
Follicle, Hyperplasia									2																2	

GENERAL BODY SYSTEM
NONE

GENITAL SYSTEM

Epididymis	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Preputial Gland Cyst	+	+	+	+	+	+	+	+	+	2	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+

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Page 21

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Route: SKIN APPLICATION
Species/Strain: RATS/F 344

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
bis(2-Chloroethoxy)methane
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Time Report Reqsted: 14:57:37
First Dose M/F: 09/16/02 / 09/17/02
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
		5	7	7	7	5	7	6	7	7	6	5	6	6	7	4	7	7	3	5	6	7	7	7	7	5
		8	2	3	2	0	2	5	2	2	1	0	3	7	3	4	3	3	8	8	7	2	2	3	2	2
		4	9	0	9	2	9	4	9	9	7	5	1	0	0	2	0	0	6	6	0	9	9	0	9	6
FISCHER 344 RATS MALE ANIMAL ID 75 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	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...)
Inflammation		2	2	2	2	2	1	2	2	2	2	2	2	2	2	1	2	1	1	2	2	2	2	2	2	
Prostate		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Hyperplasia		1	2	1	1	1	1	1			1	1	1	1	2		1		1	1	1	1	1		2	2
Inflammation				2	2	1	2	1			2	2	1	2	1		2	1		2	2	2	2		2	2
Seminal Vesicle		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Testes		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Inflammation, Granulomatous																										
Germinal Epithelium, Atrophy																										
Germinal Epithelium, Mineralization																										
Tunic, Fibrosis																										

HEMATOPOIETIC SYSTEM

Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Hyperplasia																										
Lymph Node, Mandibular	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	
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Spleen	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Hematopoietic Cell Proliferation			2					1		1				1	1		1	2	1		2	1				
Thymus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	

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

+ .. Tissue examined microscopically

x .. Lesion present

l .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

Page 22

TDMS No. 99028 - 05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: RATS/F 344

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Reqsted: 11/12/2007
Time Report Reqsted: 14:57:37
First Dose M/F: 09/16/02 / 09/17/02
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
	5	7	7	7	5	7	6	7	7	6	5	6	6	7	4	7	7	3	5	6	7	7	7	7	5
	8	2	3	2	0	2	5	2	2	1	0	3	7	3	4	3	3	8	8	7	2	2	3	2	2
	4	9	0	9	2	9	4	9	9	7	5	1	0	0	2	0	0	6	6	0	9	9	0	9	6
FISCHER 344 RATS MALE ANIMAL ID 75 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	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...)																									
Atrophy	4	4	4	4	4	4	4	4	4	4	4	4	4	4	2	4	3	2	2	4	3	4	4	4	4

INTEGUMENTARY SYSTEM

Mammary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Hyperplasia			1			1	1			1	1										2				
Skin	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Cyst Epithelial Inclusion																									
Hemorrhage																									
Artery, Site Of Application - Dermis, Inflammation																									
Dermis, Inflammation																									
Site Of Application - Dermis, Fibrosis																									
Site Of Application - Dermis, Inflammation																									
Site Of Application - Epidermis, Hyperkeratosis																									

MUSCULOSKELETAL SYSTEM

Bone	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
------	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

NERVOUS SYSTEM

Brain	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Hydrocephalus			4	2						3	3				3			2					2	3
Hypothalamus, Compression			4							2	3				3			4						

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+ .. Tissue examined microscopically

x .. Lesion present

l .. Insufficient tissue

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A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

Page 23

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

TDMS No. 99028 - 05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: RATS/F 344

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 11/12/2007
Time Report Requested: 14:57:37
First Dose M/F: 09/16/02 / 09/17/02
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
	5	7	7	7	5	7	6	7	7	6	5	6	6	7	4	7	7	3	5	6	7	7	7	5
	8	2	3	2	0	2	5	2	2	1	0	3	7	3	4	3	3	8	8	7	2	2	3	2
	4	9	0	9	2	9	4	9	9	7	5	1	0	0	2	0	0	6	6	0	9	9	0	6
FISCHER 344 RATS MALE ANIMAL ID 75 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
	5	5	5	5	5	5	5	5	5	6	6	6	6	6	6	6	6	6	6	7	7	7	7	7
	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4
males (cont...)																								

Peripheral Nerve

+

Spinal Cord

+

RESPIRATORY SYSTEM

Lung	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Congestion																		2						
Inflammation	2		1	1	2				1				1			1					1	1	1	
Alveolar Epithelium, Hyperplasia	3				1				1						2	1						1		
Artery, Hyperplasia																								
Nose	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Foreign Body		X	X			X						X	X				X							
Inflammation	2	2	2	1		2		2	2			2	2	1		1	2				2	2	2	2
Glands, Cyst										2														
Olfactory Epithelium, Accumulation, Hyaline Droplet												3			3									
Olfactory Epithelium, Degeneration		1	1				3	1	1				3					1			1			1
Olfactory Epithelium, Metaplasia, Respiratory					1		1		1								3							
Trachea	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+

SPECIAL SENSES SYSTEM

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

+ .. Tissue examined microscopically

x .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

Page 24

TDMS No. 99028 - 05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: RATS/F 344

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 11/12/2007
Time Report Requested: 14:57:37
First Dose M/F: 09/16/02 / 09/17/02
Lab: BAT

		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DAY ON TEST		5	7	7	7	5	7	6	7	7	6	5	6	6	7	4	7	7	3	5	6	7	7	7	7	5	
		8	2	3	2	0	2	5	2	2	1	0	3	7	3	4	3	3	8	8	7	2	2	3	2	2	
		4	9	0	9	2	9	4	9	9	7	5	1	0	0	2	0	0	6	6	0	9	9	0	9	6	
FISCHER 344 RATS 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	
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	
75 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	males (cont...)
		5	5	5	5	5	5	5	5	6	6	6	6	6	6	6	6	6	6	6	7	7	7	7	7	7	
		1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	
Eye		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Cataract										3																	
Retina, Atrophy										3																	
Sclera, Metaplasia, Osseous		1	1	1	2		1	1	1	2	2	1	2	1	2		2					2	1			1	
Harderian Gland		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Hyperplasia													1														
Inflammation						1																					
URINARY SYSTEM																											
Kidney		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Infarct		2																									
Nephropathy		2	1	3	2	1	3	2	2		2	1	1	3	2	1	3	2	1	1	1	1	3		2	1	
Renal Tubule, Cyst																											
Urinary Bladder		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Muscularis, Mineralization																										1	

CAS Number: 111-91-1

2) Mild 4) Marked

TDMS No. 99028 - 05
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: RATS/F 344

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 bis(2-Chloroethoxy)methane
 CAS Number: 111-91-1

Date Report Requested: 11/12/2007
 Time Report Requested: 14:57:37
 First Dose M/F: 09/16/02 / 09/17/02
 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
	7	3	7	6	7	6	7	7	7	7	7	7	6	6	7	6	7	7	7	7	7	7	7	4
	3	5	3	7	3	5	3	2	3	0	2	2	7	5	3	4	1	3	3	2	2	3	3	7
	0	1	0	3	0	4	0	9	0	8	9	9	0	6	0	5	6	0	0	9	9	0	0	8
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7	7	7	7	8	8	8	8	8	8	8	8	8	8	9	9	9	9	9	9	9	9	9	0
	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9
	* TOTALS																							
Clear Cell Focus	X				X		X		X		X	X	X		X	X		X	X	X	X	X		24
Degeneration, Cystic						1											2							5 1.4
Eosinophilic Focus				X	X	X	X					X						X		X	X	X		15
Fatty Change	1	2		1	1	1						2	2		2	1		1	1		2	2		20 1.6
Fibrosis				2	1	1	1				1			1	1	2		1		1	1		1	25 1.3
Hepatodiaphragmatic Nodule			X														X					X		5
Inflammation	1	1	1	1	1	1	1	1	1			1	1		1	2	1		1	1	1	1	1	38 1.0
Mixed Cell Focus							X				X	X		X	X			X					X	10
Necrosis										2														2 1.5
Bile Duct, Cyst																								1 1.0
Bile Duct, Hyperplasia		1	1	2	1	2	2	2	2	3	2	1	2	1	2	3	2	3	2		2	1		46 1.9
Centrilobular, Necrosis																								4 2.0
Mesentery					+	+	+							+	+				+					10
Fat, Necrosis					2	3	2								2				1					9 2.2
Pancreas	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Acinus, Atrophy	1		1	1	1	1	2		2	2	2		2				2	2	1				1	21 1.6
Acinus, Hyperplasia																								1 2.0
Duct, Cyst	2																		1					5 1.8
Salivary Glands	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Inflammation														4										2 3.5
Ulcer														4										2 3.5
Epithelium, Hyperplasia																								1 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

Page 27

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

Page 28

TDMS No. 99028 - 05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: RATS/F 344

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Reqsted: 11/12/2007
Time Report Reqsted: 14:57:37
First Dose M/F: 09/16/02 / 09/17/02
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	
		7	3	7	6	7	6	7	7	7	7	7	6	6	7	6	7	7	7	7	7	7	7	7	4	7	
		3	5	3	7	3	5	3	2	3	0	2	2	7	5	3	4	1	3	3	2	2	3	3	7	3	
		0	1	0	3	0	4	0	9	0	8	9	9	0	6	0	5	6	0	0	9	9	0	0	8	0	
FISCHER 344 RATS MALE 75 MG/KG ANIMAL ID		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	
		7	7	7	7	8	8	8	8	8	8	8	8	8	8	9	9	9	9	9	9	9	9	9	9	0	
		6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	* TOTALS

Islets, Pancreatic Hyperplasia	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
				1											1			2	2	1				1	1	9	1.6
Parathyroid Gland Hyperplasia	+	M	+	+	M	M	+	+	+	+	+	+	+	M	+	+	+	M	+	+	+	+	+	+	+	44	
																										1	3.0
Pituitary Gland Angiectasis	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Cyst	2		3	2	2	3	2	2		3		2		3	3	4	3	2					2		2	30	2.8
Pars Distalis, Hyperplasia	1																			1	2					6	1.3
	3			3			2	3			2			2							2	2				16	2.1
Thyroid Gland Cyst	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Inflammation					1																					1	1.0
C-cell, Hyperplasia				2																						1	2.0
Follicle, Cyst			1	2	1	1		1	1	1	2		1				1		1					4		22	1.3
Follicle, Hyperplasia																										1	
	2			1																						4	1.8

GENERAL BODY SYSTEM
NONE

GENITAL SYSTEM

Epididymis	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Preputial Gland Cyst	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	2	+	+	+	+	+	+	+	+	+	50	
																										3	2.0

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

+ .. Tissue examined microscopically

x .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

Page 29

Date Report Requested: 11/12/2007
Time Report Requested: 14:57:37
First Dose M/F: 09/16/02 / 09/17/02
Lab: BAT

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

Page 32

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Lab: BAT

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

Page 33

TDMS No. 99028 - 05
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: RATS/F 344

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 bis(2-Chloroethoxy)methane
 CAS Number: 111-91-1

Date Report Requested: 11/12/2007
 Time Report Requested: 14:57:37
 First Dose M/F: 09/16/02 / 09/17/02
 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	
		7	6	7	6	6	3	4	6	6	7	7	7	7	7	7	6	6	6	7	5	7	5	5	6	5
		3	3	0	1	4	7	5	3	0	3	1	2	0	2	2	4	7	8	2	5	3	9	5	5	1
		0	1	4	0	3	1	3	1	4	0	9	9	4	9	4	1	0	2	9	8	0	6	4	4	2
FISCHER 344 RATS MALE 150 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	
		0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	
		1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5
		males (cont...)																								

ALIMENTARY SYSTEM

Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Parasite Metazoan	2											2				2								
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Liver	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Angiectasis												1		1										
Basophilic Focus			X		X							X	X	X	X		X				X			
Clear Cell Focus	X											X		X							X			
Degeneration, Cystic		2	1		1					2		1							1	1				
Eosinophilic Focus												X		X					X					
Fatty Change				1			2		2			2	1	2	2				2					1
Fibrosis	1		1	1				1	2	2	1			1				2					1	
Hepatodiaphragmatic Nodule	X																						X	
Inflammation			1	1	1		1		1			1	1	1	1		1		1	1				1

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+ .. Tissue examined microscopically

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M .. Missing tissue

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2) Mild 4) Marked

TDMS No. 99028 - 05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: RATS/F 344

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Reqsted: 11/12/2007
Time Report Reqsted: 14:57:37
First Dose M/F: 09/16/02 / 09/17/02
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		
		7	6	7	6	6	3	4	6	6	7	7	7	7	7	6	6	6	7	8	2	5	7	5	5	6	5	
		3	3	0	1	4	7	5	3	0	3	1	2	0	2	4	7	8	2	5	3	9	5	5	5	1		
		0	1	4	0	3	1	3	1	4	0	9	9	4	9	4	1	0	2	9	8	0	6	4	4	2		
FISCHER 344 RATS 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		
150 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	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2		
		1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5		
Mixed Cell Focus					X				X						X	X					X	X						
Necrosis								2		2						1												
Thrombosis																				3								
Bile Duct, Hyperplasia		2		1	1	2	2	1	2	2	3	3	2	2	2	1	2	1	2	3		1	2	2	1	1		
Centrilobular, Necrosis									2							1							1					
Mesentery											+	+	+		+				+				+					
Fat, Necrosis												3	2		3				3				3					
Pancreas		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		
Acinus, Atrophy								2			3					2		2	2		1	2		1				
Acinus, Hyperplasia																1												
Duct, Cyst																		2										
Salivary Glands		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		
Stomach, Forestomach		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		
Inflammation			4						3																			
Ulcer			4																									
Epithelium, Hyperplasia									2																			
Stomach, Glandular		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		
Inflammation			3																									
Ulcer			3																									

CARDIOVASCULAR SYSTEM

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

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Page 35

TDMS No. 99028 - 05
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: RATS/F 344

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 bis(2-Chloroethoxy)methane
 CAS Number: 111-91-1

Date Report Requested: 11/12/2007
 Time Report Requested: 14:57:37
 First Dose M/F: 09/16/02 / 09/17/02
 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	males (cont...)	
		7	6	7	6	6	3	4	6	6	7	7	7	7	7	7	6	6	6	7	5	7	5	5	6		5
		3	3	0	1	4	7	5	3	0	3	1	2	0	2	2	4	7	8	2	5	3	9	5	5		1
		0	1	4	0	3	1	3	1	4	0	9	9	4	9	4	1	0	2	9	8	0	6	4	4		2
FISCHER 344 RATS 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	males (cont...)	
150 MG/KG		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	males (cont...)		
ANIMAL ID		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1			males (cont...)
		0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2				2	males (cont...)
		1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	males (cont...)
																										males (cont...)	

males
(cont...)

Heart	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Cardiomyopathy	1		2	1	1		1	1	1	1	2	2	1	1	1		1	2	1	1	1	2	1	1	1
Fibrosis	3		3	3	4	2	2	3	2	3	3	3	2	2	2	2	3	3	3	2	2	2	3	2	2
Thrombosis					2											4									
Myocardium, Infiltration Cellular, Mononuclear Cell	3		3	3	4	2	2	3	2	3	3	3	2	2	2	2	3	3	3	2	2	2	3	2	2
Myocardium, Necrosis	1		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Myocardium, Vacuolization Cytoplasmic	3		3	3	4	2	2	3	2	3	3	3	2	2	2	2	3	3	3	2	2	2	3	2	2

ENDOCRINE SYSTEM

Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Hyperplasia									2		1	1	1	1	1		1		1						1
Vacuolization Cytoplasmic	2		1	1	1			2	1	1			1	2	1		1	1	1	2	1	1			1
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Hyperplasia	3				3												2	2							
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Hyperplasia							1	2	1	1												4			
Parathyroid Gland	+	+	M	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+
Pituitary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Angiectasis	3			4	3		4		3	2					2	4	2			2	2	2	4		3
Cyst					2	2		2			2								2						
Pars Distalis, Hyperplasia					4			2				2		3						3	1	2			2

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

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x .. Lesion present

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Page 36

1-4 .. Lesion qualified as:

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2) Mild 4) Marked

Date Report Requested: 11/12/2007
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First Dose M/F: 09/16/02 / 09/17/02
Lab: BAT

2) Mild 4) Marked

TDMS No. 99028 - 05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: RATS/F 344

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

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First Dose M/F: 09/16/02 / 09/17/02
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	males (cont...)	
		7	6	7	6	6	3	4	6	6	7	7	7	7	7	6	6	6	7	5	7	5	5	6		5
		3	3	0	1	4	7	5	3	0	3	1	2	0	2	2	4	7	8	2	5	3	9	5		1
		0	1	4	0	3	1	3	1	4	0	9	9	4	9	4	1	0	2	9	8	0	6	4		2
FISCHER 344 RATS MALE ANIMAL ID 150 MG/KG		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	males (cont...)	
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
		0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	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

Testes	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Necrosis		2																							
Germinal Epithelium, Atrophy																									

HEMATOPOIETIC SYSTEM

Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Atrophy													4												3
Hyperplasia					3											3									
Lymph Node			+						+							+									
Deep Cervical, Ectasia																									
Deep Cervical, Hyperplasia, Lymphoid																									
Lymph Node, Mandibular	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
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Spleen	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Atrophy				2									1												
Fibrosis																									
Hematopoietic Cell Proliferation					2		2		2		2					3			2						2
Infarct																			2						
Stromal Hyperplasia																									
Thymus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Atrophy	4	4	4	4	3	4	1	4	4	4		4		3	4	4	4	4	4	4	4	4	4	4	4

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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	6	7	6	6	3	4	6	6	7	7	7	7	7	7	6	6	6	7	5	7	5	5	6	5
		3	3	0	1	4	7	5	3	0	3	1	2	0	2	2	4	1	0	2	9	8	0	0	4	1
		0	1	4	0	3	1	3	1	4	0	9	9	4	9	4	1	0	0	2	9	8	0	6	4	2
FISCHER 344 RATS MALE 150 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	
		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
		0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	
		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
ANIMAL ID																										
males (cont...)																										

INTEGUMENTARY SYSTEM

Mammary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Hyperplasia				1															1						1
Skin	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Control Dermis, Fibrosis																									
Sebaceous Gland, Hyperplasia				2																					
Site Of Application - Dermis, Inflammation											1	1													
Site Of Application - Epidermis, Hyperkeratosis																	1								

MUSCULOSKELETAL SYSTEM

Bone	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Osteopetrosis																									
Skeletal Muscle										+															

NERVOUS SYSTEM

Brain	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Hydrocephalus				3			3		3					3				3		3					4
Hippocampus, Necrosis					2																				
Hypothalamus, Compression				4				4					4				2		3						4

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	7	6	7	6	6	3	4	6	6	7	7	7	7	7	6	6	6	7	5	7	5	5	6	5		
	3	3	0	1	4	7	5	3	0	3	1	2	0	2	2	4	7	8	2	5	3	9	5	5	1	
	0	1	4	0	3	1	3	1	4	0	9	9	4	9	4	1	0	2	9	8	0	6	4	4	2	
FISCHER 344 RATS MALE ANIMAL ID 150 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
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2
	1	2	3	4	5	6	7	8	9	0	1	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5
males (cont...)																										

Thalamus, Necrosis 2

RESPIRATORY SYSTEM

Lung	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Inflammation	1				2		1			1		1			2	1		3		1		1		1	
Alveolar Epithelium, Hyperplasia	2	3										2													
Nose	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Foreign Body		X								X															
Inflammation		2	1	1		1		1		2	2	2	1	2		2		1		2					
Glands, Cyst																									
Olfactory Epithelium, Degeneration		2	1	1		1		1		2	1	2	1	1		3	1		1	2	1			1	1
Olfactory Epithelium, Metaplasia, Respiratory		1																		1					
Trachea	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Inflammation			2	2																					

SPECIAL SENSES SYSTEM

Eye	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Sclera, Metaplasia, Osseous		1	2	2				2	1	1		2	1	2	1	1	2	2		2		1		1	2
Harderian Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Atrophy											1														
Inflammation			2																						

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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	6	7	6	6	3	4	6	6	7	7	7	7	7	6	6	6	7	5	7	5	5	6	5	
		3	3	0	1	4	7	5	3	0	3	1	2	0	2	2	4	7	8	2	5	3	9	5	5	1
		0	1	4	0	3	1	3	1	4	0	9	9	4	9	4	1	0	2	9	8	0	6	4	4	2
FISCHER 344 RATS MALE ANIMAL ID 150 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	
		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
		0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	
		1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5
		males (cont...)																								

males
(cont...)

URINARY SYSTEM

Kidney Nephropathy	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
	2	1	2	1	2		3	1	1	2		2	2	2	2	1	1	2	2	3	1	2	1	1	2
Urinary Bladder Transitional Epithelium, Hyperplasia	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
																								2	

TDMS No. 99028 - 05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: RATS/F 344

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 11/12/2007
Time Report Requested: 14:57:37
First Dose M/F: 09/16/02 / 09/17/02
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	
		7	6	7	7	6	4	2	5	5	7	7	4	4	7	5	7	6	6	6	7	7	6	6	7	7
		2	7	2	2	7	8	8	9	2	3	2	1	2	2	9	1	1	6	5	3	2	8	4	2	1
		9	7	0	9	0	1	2	4	3	0	9	4	6	9	6	4	0	1	4	0	9	0	0	9	2
FISCHER 344 RATS MALE 150 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	
		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																								

ALIMENTARY SYSTEM

Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Intestine Large, Rectum Parasite Metazoan	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
															3			1		1		3				7 2.0
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Liver	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Angiectasis		1																								3 1.0
Basophilic Focus	X	X		X	X					X									X	X		X				16
Clear Cell Focus	X			X						X	X			X		X			X	X	X		X			14
Degeneration, Cystic		2																				1	2			10 1.4
Eosinophilic Focus		X				X					X							X					X			8
Fatty Change			2	2	1				1						2					1				2		16 1.6
Fibrosis	1	2			1			1		1	1			1	2				1	1	1	1	1			23 1.2
Hepatodiaphragmatic Nodule								X						X	X							X				6
Inflammation	1	1		1	1	1	1	1	1	1	1	1	1	1	1	1		1	1	1			1	1		33 1.0

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

+ .. Tissue examined microscopically

x .. Lesion present

l .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

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Date Report Requested: 11/12/2007
Time Report Requested: 14:57:37
First Dose M/F: 09/16/02 / 09/17/02
Lab: BAT

CARDIOVASCULAR SYSTEM

[illegible]

2) Mild 4) Marked

2) Mild 4) Marked

TDMS No. 99028 - 05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: RATS/F 344

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 11/12/2007
Time Report Requested: 14:57:37
First Dose M/F: 09/16/02 / 09/17/02
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	
		7	6	7	7	6	4	2	5	5	7	7	4	4	7	5	7	6	6	6	7	7	6	6	7	7
		2	7	2	2	7	8	8	9	2	3	2	1	2	2	9	1	1	6	5	3	2	8	4	2	1
		9	7	0	9	0	1	2	4	3	0	9	4	6	9	6	4	0	1	4	0	9	0	0	9	2
FISCHER 344 RATS MALE 150 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	
		2	2	2	2	3	3	3	3	3	3	3	3	3	3	4	4	4	4	4	4	4	4	4	4	
		6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0
* TOTALS																										

Thyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Cyst																								2		1 2.0
C-cell, Hyperplasia					1									3	1				2	2	2					23 1.5
Follicle, Hyperplasia																										1 2.0

GENERAL BODY SYSTEM
NONE

GENITAL SYSTEM

Epididymis	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Penis																										1
Inflammation																										1 2.0
Preputial Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Cyst			4																							2 3.0
Hyperplasia																										1 2.0
Inflammation	2	2	3	1	2	2		2	2	2	2	1		2	2	2	2	2	2	2	1	2	1	2		47 1.9
Duct, Ectasia																							4			1 4.0
Prostate	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Hyperplasia	2	1	2	1	1			1	1	1	2			2	1	1	1	1		1	1	1		1	2	39 1.2
Inflammation		2	2	1	2			2	2					2	1	2	1	2	2	1		2	1	1	2	32 1.8
Seminal Vesicle	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	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

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CAS Number: 111-91-1

2) Mild 4) Marked

Date Report Requested: 11/12/2007
Time Report Requested: 14:57:37
First Dose M/F: 09/16/02 / 09/17/02
Lab: BAT

2) Mild 4) Marked

TDMS No. 99028 - 05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: RATS/F 344

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 11/12/2007
Time Report Requested: 14:57:37
First Dose M/F: 09/16/02 / 09/17/02
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	
		7	6	7	7	6	4	2	5	5	7	7	4	4	7	5	7	6	6	6	7	7	6	6	7	7
		2	7	2	2	7	8	8	9	2	3	2	1	2	2	9	1	1	6	5	3	2	8	4	2	1
		9	7	0	9	0	1	2	4	3	0	9	4	6	9	6	4	0	1	4	0	9	0	0	9	2
FISCHER 344 RATS MALE ANIMAL ID 150 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	
		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	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																								

Thalamus, Necrosis 1 2.0

RESPIRATORY SYSTEM

Lung	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50				
Inflammation	2		1		1				1		1			1			2			1				2	2	1	20	1.3	
Alveolar Epithelium, Hyperplasia						2						2	1	1													9	1.9	
Nose	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50			
Foreign Body	X			X																							4		
Inflammation	2			2					2		2		2	1				1			2		1				22	1.6	
Glands, Cyst																				2					2		2	2.0	
Olfactory Epithelium, Degeneration	1	1	1	2	1					1	1			1		1	2	1	2					1			30	1.3	
Olfactory Epithelium, Metaplasia, Respiratory	2																										3	1.3	
Trachea	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50			
Inflammation																1												3	1.7

SPECIAL SENSES SYSTEM

Eye	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50			
Sclera, Metaplasia, Osseous	2								1		2	1		1		1	2				1	1		1	2		28	1.5
Harderian Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50			
Atrophy																											1	1.0
Inflammation														1													2	1.5

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

+ .. Tissue examined microscopically

x .. Lesion present

l .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

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Date Report Requested: 11/12/2007
Time Report Requested: 14:57:37
First Dose M/F: 09/16/02 / 09/17/02
Lab: BAT

2) Mild 4) Marked

TDMS No. 99028 - 05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: RATS/F 344

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 11/12/2007
Time Report Requested: 14:57:37
First Dose M/F: 09/16/02 / 09/17/02
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	
		7	6	7	7	7	6	7	6	7	7	7	7	7	7	6	7	7	6	7	6	7	5	7		
		2	9	2	2	2	5	3	2	3	1	3	3	1	2	1	4	2	3	5	3	2	6	3	4	1
		9	8	9	9	9	4	0	0	0	7	0	0	5	4	2	0	9	0	2	0	4	9	0	4	7
FISCHER 344 RATS MALE ANIMAL ID 300 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	
		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
		5	5	5	5	5	5	5	5	5	6	6	6	6	6	6	6	6	6	7	7	7	7	7	7	
		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	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Parasite Metazoan			2					1			1					1									
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Inflammation																									
Ulcer																									
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Liver	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Angiectasis				1														2							
Basophilic Focus			X	X	X	X	X		X		X	X					X	X		X					
Clear Cell Focus	X	X	X	X	X				X		X	X					X	X		X			X		
Degeneration, Cystic					1					2				1	2					1	2				
Eosinophilic Focus	X			X		X					X				X			X							
Fatty Change		1	1					1	2		2				2			1					1	1	
Fibrosis	1			1	1	1		1		1	1	1	2	1	1	1				1	1	2	1		1

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

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x .. Lesion present

l .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

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1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

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TDMS No. 99028 - 05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: RATS/F 344

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 11/12/2007
Time Report Requested: 14:57:37
First Dose M/F: 09/16/02 / 09/17/02
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	0
	7	6	7	7	7	6	7	6	7	7	7	7	7	7	6	7	7	6	7	7	6	7	5	7		
FISCHER 344 RATS MALE 300 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
		5	5	5	5	5	5	5	5	5	6	6	6	6	6	6	6	6	6	7	7	7	7	7	7	7
		1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5
Hepatodiaphragmatic Nodule							X		X				X													
Inflammation		1	1	1	1	1	1	1	1	1	1	1	1		1		1	1		1				1	1	
Mixed Cell Focus						X			X						X											
Necrosis			2					1																		
Bile Duct, Cyst																										
Bile Duct, Hyperplasia		2	2	2	2	2	2	1	2	1	1	2	2	2	3	2	2	2	1		2	2	2	2	2	1
Centrilobular, Necrosis																				3						
Mesentery								+				+							+		+	+		+		
Fat, Necrosis								2				2							2		2	4		2		
Pancreas		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Acinus, Atrophy		1		2	2			1	3								2		2						1	1
Acinus, Hyperplasia												2														
Duct, Cyst							1																		1	
Salivary Glands		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Stomach, Forestomach		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Inflammation									3			3									1					3
Ulcer			4									3														3
Epithelium, Hyperplasia												2														
Stomach, Glandular		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+

CARDIOVASCULAR SYSTEM

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

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

+ .. Tissue examined microscopically

x .. Lesion present

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1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

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TDMS No. 99028 - 05
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: RATS/F 344

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 bis(2-Chloroethoxy)methane
 CAS Number: 111-91-1

Date Report Requested: 11/12/2007
 Time Report Requested: 14:57:37
 First Dose M/F: 09/16/02 / 09/17/02
 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	males (cont...)	
		7	6	7	7	7	6	7	6	7	7	7	7	7	7	6	7	7	6	7	7	6	7	5	7		
		2	9	2	2	2	5	3	2	3	1	3	3	1	2	1	4	2	3	5	3	2	6	3	4		1
		9	8	9	9	9	4	0	0	0	7	0	0	5	4	2	0	9	0	2	0	4	9	0	4		7
FISCHER 344 RATS MALE ANIMAL ID 300 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	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		
		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

Heart	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Cardiomyopathy	2	2	2	2	2	2	2	1	2	1	1	2	2	1	2	2	1	1	3	1	2	2	2	2	2
Fibrosis	2	2	2		2	2	3	2	3	2	2	3	3	3	3	3	2	2	4	2	3	2	2	2	2
Thrombosis																									
Myocardium, Infiltration Cellular, Mononuclear Cell	2	2	2	3	2	2	3	2	3	2	2	3	3	3	3	3	2	2	4	2	3	2	2	2	2
Myocardium, Necrosis	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3	1	1	1	1	1	1	1
Myocardium, Vacuolization Cytoplasmic	2	2	2	3	2	2	3	2	3	2	2	3	3	3	3	3	2	2	4	2	3	3	2	2	2

ENDOCRINE SYSTEM

Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Hyperplasia	2	3			1									2	1	1			2						
Vacuolization Cytoplasmic	2	2	2		1	2	1	1	1	1	2	2	2		2		1	2		2	2	1	1		2
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Angiectasis																									
Hyperplasia										1				3	2										
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Hyperplasia				1																					1
Parathyroid Gland	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Hyperplasia, Focal														2											
Pituitary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Angiectasis	2	4	4	2			2	2	2				1			3			3			3	2		3

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+ .. 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. 99028 - 05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: RATS/F 344

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Reqsted: 11/12/2007
Time Report Reqsted: 14:57:37
First Dose M/F: 09/16/02 / 09/17/02
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	0
		7	6	7	7	7	6	7	6	7	7	7	7	7	7	6	7	7	6	7	7	6	7	5	7		
		2	9	2	2	2	5	3	2	3	1	3	3	1	2	1	4	2	3	5	3	2	6	3	4	1	
		9	8	9	9	9	4	0	0	0	7	0	0	5	4	2	0	9	0	2	0	4	9	0	4	7	
FISCHER 344 RATS MALE 300 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	
		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	males (cont...)

Cyst					2								2	1		2											
Pars Distalis, Hyperplasia	1			2	2	3						3	3	2		2											
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Cyst																											
C-cell, Hyperplasia	2					1				1	3	2	1			1				1			1				
Follicle, Hyperplasia																											

GENERAL BODY SYSTEM
NONE

GENITAL SYSTEM

Epididymis	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Inflammation																											
Preputial Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Hyperplasia											3									2							
Inflammation	1		2	1	2	2	2	2	2	2	2	3	2	2	2	1	2	2	1	2	2	2	2	2	2	2	
Prostate	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Hyperplasia	2	2	1	1	1	1	2	1	2	1	1	2	2	1	1		1	1	1		1			1	1		
Inflammation	2	2	2	1	2	2	3	2	2	1	1	1	4		2		2	2	1		2		2	2	1		
Seminal Vesicle	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Inflammation							3							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

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1) Minimal 3) Moderate

2) Mild 4) Marked

Page 53

TDMS No. 99028 - 05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: RATS/F 344

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 11/12/2007
Time Report Requested: 14:57:37
First Dose M/F: 09/16/02 / 09/17/02
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
	7	6	7	7	7	6	7	6	7	7	7	7	7	7	6	7	7	6	7	7	6	7	5	7	
	2	9	2	2	2	5	3	2	3	1	3	3	1	2	1	4	2	3	5	3	2	6	3	4	1
	9	8	9	9	9	4	0	0	0	7	0	0	5	4	2	0	9	0	2	0	4	9	0	4	7
FISCHER 344 RATS MALE ANIMAL ID 300 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
	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

males
(cont...)

Testes	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Germinal Epithelium, Mineralization															2										

HEMATOPOIETIC SYSTEM

Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Hyperplasia																									
Lymph Node	+																				+				
Deep Cervical, Hyperplasia, Lymphoid																									
Mediastinal, Hyperplasia, Lymphoid	2																								
Lymph Node, Mandibular	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
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Hyperplasia, Lymphoid																					1				
Spleen	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Atrophy		2									2										3				
Fibrosis																									
Hematopoietic Cell Proliferation	1		1	1	1	2				1		1		3		1		1				1			
Thymus	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Atrophy	2	4	4	4	4		4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4		4
Ectopic Thyroid																									

INTEGUMENTARY SYSTEM

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+ .. Tissue examined microscopically

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l .. Insufficient tissue

M .. Missing tissue

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2) Mild 4) Marked

Page 54

TDMS No. 99028 - 05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: RATS/F 344

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Reqsted: 11/12/2007
Time Report Reqsted: 14:57:37
First Dose M/F: 09/16/02 / 09/17/02
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		
		7	6	7	7	7	6	7	6	7	7	7	7	7	7	6	7	7	6	7	7	6	7	5	7		
		2	9	2	2	2	5	3	2	3	1	3	3	1	2	1	4	2	3	5	3	2	6	3	4	1	
		9	8	9	9	9	4	0	0	0	7	0	0	5	4	2	0	9	0	2	0	4	9	0	4	7	
FISCHER 344 RATS MALE ANIMAL ID 300 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		
		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
		5	5	5	5	5	5	5	5	5	6	6	6	6	6	6	6	6	6	7	7	7	7	7	7		
		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...)																									
Mammary Gland Hyperplasia		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		
					1			1	1	1	2													1	1		
Skin		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		
MUSCULOSKELETAL SYSTEM																											
Bone Joint, Inflammation		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		
NERVOUS SYSTEM																											
Brain Hydrocephalus Hypothalamus, Compression		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		
			3						4		2					4								3			
			3						4		3					4								4			
RESPIRATORY SYSTEM																											
Lung Inflammation Alveolar Epithelium, Hyperplasia		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		
		1		1			1				1							1		1				1			
		1												3						2							
Nose Foreign Body Inflammation		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+		
															X	X		X									
		2		1		2					2		1		2	2		3						1			

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2) Mild 4) Marked

Page 55

TDMS No. 99028 - 05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: RATS/F 344

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Reqsted: 11/12/2007
Time Report Reqsted: 14:57:37
First Dose M/F: 09/16/02 / 09/17/02
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			
		7	6	7	7	7	6	7	6	7	7	7	7	7	7	6	7	7	6	7	7	6	7	5		7	
		2	9	2	2	2	5	3	2	3	1	3	3	1	2	1	4	2	3	5	3	2	6	3		4	1
		9	8	9	9	9	4	0	0	0	7	0	0	5	4	2	0	9	0	2	0	4	9	0		4	7
FISCHER 344 RATS MALE ANIMAL ID 300 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	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		
		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
		5	5	5	5	5	5	5	5	5	6	6	6	6	6	6	6	6	6	7	7	7	7	7	7		
		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

Glands, Cyst
Olfactory Epithelium, Degeneration
Olfactory Epithelium, Metaplasia,
Respiratory

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

Trachea

+ +

SPECIAL SENSES SYSTEM

Eye
Cataract
Retina, Atrophy
Sclera, Metaplasia, Osseous

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

Harderian Gland
Atrophy
Hyperplasia
Inflammation

+
1 1
1 1

Zymbal's Gland

+

URINARY SYSTEM

Kidney
Fibrosis
Inflammation
Nephropathy

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

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2) Mild 4) Marked

Page 56

TDMS No. 99028 - 05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: RATS/F 344

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 11/12/2007
Time Report Requested: 14:57:37
First Dose M/F: 09/16/02 / 09/17/02
Lab: BAT

| DAY ON TEST | | 0 | 0 | |
|---|--|----------|
| | | 4 | 6 | 7 | 7 | 7 | 7 | 3 | 7 | 7 | 7 | 5 | 7 | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 4 | 6 | 7 | 7 | 7 | |
| | | 8 | 8 | 0 | 3 | 1 | 3 | 6 | 3 | 2 | 1 | 1 | 6 | 2 | 3 | 4 | 2 | 2 | 2 | 1 | 1 | 2 | 7 | 3 | 2 | 2 |
| | | 5 | 2 | 4 | 0 | 6 | 0 | 7 | 0 | 9 | 9 | 9 | 5 | 9 | 0 | 7 | 9 | 9 | 9 | 2 | 9 | 9 | 3 | 7 | 0 | 9 |
| FISCHER 344 RATS MALE
ANIMAL ID
300 MG/KG | | 0 | 0 | |
| | | 0 | 0 | |
| | | 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 | 0 | |
| | | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 |
| | | * TOTALS | |

ALIMENTARY SYSTEM

| | |
|---------------------------|--------|
| Esophagus | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Intestine Large, Cecum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Intestine Large, Colon | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Intestine Large, Rectum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Parasite Metazoan | | | | | | 2 | | | 2 | | | | | 1 | | | | | | | | | | | | 7 1.4 |
| Intestine Small, Duodenum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Inflammation |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 3 | | 1 3.0 |
| Ulcer |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 3 | | 1 3.0 |
| Intestine Small, Ileum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Intestine Small, Jejunum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Liver | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Angiectasis | | | | | | 1 | | | | | | | | 1 | | | | | | 1 | | | 1 | | | 6 1.2 |
| Basophilic Focus | | | | X | | | | | X | | X | | X | X | X | | | | X | X | | | | X | | 19 |
| Clear Cell Focus | | | | | | | | X | X | | X | | X | X | | X | | | X | | | X | X | | | 22 |
| Degeneration, Cystic | | 1 | 2 | | 1 | 2 | | | | | | | 2 | 2 | | 1 | | | | 1 | | | | 1 | | 15 1.5 |
| Eosinophilic Focus | | | X | | X | | | | | | | | | X | | | | | X | | | X | | | | 11 |
| Fatty Change | | 1 | 1 | | | | | | 1 | 2 | 2 | 1 | 1 | | 1 | 1 | | | | 2 | | | 1 | | | 20 1.3 |
| Fibrosis | | 1 | 1 | | | | | | 1 | 2 | 2 | 1 | 1 | 1 | 2 | 1 | | 1 | | | | 1 | 1 | | | 31 1.2 |

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

+ .. Tissue examined microscopically

x .. Lesion present

l .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

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1) Minimal 3) Moderate

2) Mild 4) Marked

Page 58

TDMS No. 99028 - 05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: RATS/F 344

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Reqsted: 11/12/2007
Time Report Reqsted: 14:57:37
First Dose M/F: 09/16/02 / 09/17/02
Lab: BAT

|  |  | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|----------------------------|--|----|----------|
| DAY ON TEST | | 4 | 6 | 7 | 7 | 7 | 3 | 7 | 7 | 7 | 7 | 5 | 7 | 6 | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 4 | 6 | 7 | 7 | 7 | 7 | 7 |
| | | 8 | 8 | 0 | 3 | 1 | 3 | 6 | 3 | 2 | 1 | 1 | 6 | 2 | 3 | 4 | 2 | 2 | 2 | 2 | 1 | 1 | 2 | 2 | 7 | 3 | 2 | 2 |
| | | 5 | 2 | 4 | 0 | 6 | 0 | 7 | 0 | 9 | 9 | 9 | 5 | 9 | 0 | 7 | 9 | 9 | 9 | 2 | 9 | 9 | 3 | 7 | 0 | 9 | 9 | 9 |
| | | | |
| FISCHER 344 RATS 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 |
| 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 |
| 300 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 | 2 | 2 |
| | | 7 | 7 | 7 | 7 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 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 |
| Hepatodiaphragmatic Nodule | | X | | | | | | X | | X | | | | | X | | | X | | | | X | | | | | | 9 |
| Inflammation | | 1 | 1 | 1 | 1 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | 1 | 1 | 1 | 1 | | | 1 | 1 | | 41 1.0 |
| Mixed Cell Focus |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 3 |
| Necrosis |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 3 | | | | | 3 2.0 |
| Bile Duct, Cyst |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1 | | | | | | | 1 1.0 |
| Bile Duct, Hyperplasia | | 2 | 1 | 1 | 2 | | 2 | 1 | 1 | 2 | 2 | 2 | 1 | 2 | 3 | 2 | 2 | 3 | 2 | 1 | 2 | | 1 | 2 | 2 | 2 | | 47 1.8 |
| Centrilobular, Necrosis | | | | | | 3 | | | | | | | | | | | | | | 2 | | | | 2 | | | | 4 2.5 |
| | | | |
| Mesentery | | | | | | + | | | | | | + | | | + | | | | | | | | | | | | 9 | |
| Fat, Necrosis | | | | | | | | | | | | | 3 | | | 2 | | | | | | | | | | | | 8 2.4 |
| | | | |
| Pancreas |  | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |
| Acinus, Atrophy | | | 1 | | | | 1 | | 3 | 1 | | | | | | | 2 | | | 1 | | 1 | | | 1 | | | 17 1.5 |
| Acinus, Hyperplasia | | | | | | 2 | | | | | | | | | | | | 1 | | | | | | | | | | 3 1.7 |
| Duct, Cyst | | | | | | | 1 | | | | | 2 | | | | 2 | | | | | | | | | | | | 5 1.4 |
| | | | |
| Salivary Glands |  | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |
| | | | |
| Stomach, Forestomach |  | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |
| Inflammation | | | 3 | 3 | | | | | | | 3 | 1 | | | | | | | | 3 | | | | 3 | | | | 10 2.6 |
| Ulcer | | | 3 | 3 | | | | | | | 2 | | | | | | | | | 3 | | | | | | | | 7 3.0 |
| Epithelium, Hyperplasia |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1 2.0 |
| | | | |
| Stomach, Glandular |  | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |

CARDIOVASCULAR SYSTEM

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

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

+ .. Tissue examined microscopically

x .. Lesion present

l .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

Page 59

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

2) Mild 4) Marked

TDMS No. 99028 - 05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: RATS/F 344

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Reqsted: 11/12/2007
Time Report Reqsted: 14:57:37
First Dose M/F: 09/16/02 / 09/17/02
Lab: BAT

| DAY ON TEST | | 0 |
|---|--|---|
| | | 4 | 6 | 7 | 7 | 7 | 7 | 3 | 7 | 7 | 7 | 5 | 7 | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 4 | 6 | 7 | 7 | |
| | | 8 | 8 | 0 | 3 | 1 | 3 | 6 | 3 | 2 | 1 | 1 | 6 | 2 | 3 | 4 | 2 | 2 | 2 | 1 | 1 | 2 | 7 | 3 | 2 |
| | | 5 | 2 | 4 | 0 | 6 | 0 | 7 | 0 | 9 | 9 | 9 | 5 | 9 | 0 | 7 | 9 | 9 | 9 | 2 | 9 | 9 | 3 | 7 | 0 |
| FISCHER 344 RATS MALE
300 MG/KG
ANIMAL ID | | 0 |
| | | 0 |
| | | 1 | 2 |
| | | 7 | 7 | 7 | 7 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 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 |

| | | |
|----------------------------|--------|--|
| Cyst | | | | | | 1 | | | 1 | | | | | | | | | 2 | | | | | | 1 | 8 1.5 | |
| Pars Distalis, Hyperplasia | | | | | | | | | 3 | 2 | | | | | 3 | 2 | | 2 | 2 | 2 | | | 2 | 2 | 17 2.2 | |
| Thyroid Gland | + | 50 | |
| Cyst | | | | | | 2 | | | | | | | | | | | | | | | | | | | 1 2.0 | |
| C-cell, Hyperplasia | | | | 2 | | 2 | | | | 1 | | | 1 | | | 2 | | | | | | | | | 14 1.5 | |
| Follicle, Hyperplasia | | | | | | | | 1 | | | | | | 2 | | | | | | | | | | | 2 1.5 | |

GENERAL BODY SYSTEM
NONE

GENITAL SYSTEM

| | | |
|--|----|------------------|
| Epididymis
Inflammation | + | + | + | + | + | + | + | + | + | + | + | + | 1 | + | + | + | + | + | + | + | + | + | + | + | 50 | 1 1.0 |
| | | |
| Preputial Gland
Hyperplasia
Inflammation | + | 50 | 2 2.5
49 1.8 |
| | 2 | 2 | 2 | 2 | 2 | 2 | 1 | 2 | 2 | 2 | 2 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 2 | 1 | 2 | 2 | 3 | |
| Prostate
Hyperplasia
Inflammation | + | 50 | 40 1.2
42 1.8 |
| | 1 | | 1 | 1 | 1 | | 1 | 1 | 1 | 2 | | 1 | 1 | 1 | 2 | 1 | | 1 | 1 | 1 | 1 | | 1 | 1 | | |
| | 2 | 2 | 2 | 2 | 2 | 2 | 1 | 2 | 2 | 2 | | 2 | 1 | 3 | 2 | 2 | 2 | 2 | | 1 | 1 | | 1 | 2 | | |
| Seminal Vesicle
Inflammation | + | 50 | 2 3.0 |
| | | |

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

+ .. Tissue examined microscopically

x .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

Page 61

Page 62

Date Report Requested: 11/12/2007
Time Report Requested: 14:57:37
First Dose M/F: 09/16/02 / 09/17/02
Lab: BAT

2) Mild 4) Marked

Date Report Requested: 11/12/2007
Time Report Requested: 14:57:37
First Dose M/F: 09/16/02 / 09/17/02
Lab: BAT

| | | | |
|--------------------------------------|-------------|-----------------------|--|
| FISCHER 344 RATS MALE
300 MG/KG | DAY ON TEST | 0
4
8
5 | 0
6
8
2 | 0
7
0
4 | 0
7
3
0 | 0
7
1
6 | 0
7
3
0 | 0
7
6
7 | 0
7
2
9 | 0
7
7
9 | 0
7
7
9 | 0
5
6
5 | 0
7
7
9 | 0
7
6
7 | 0
7
7
9 | 0
7
7
9 | 0
7
7
9 | 0
7
7
9 | 0
7
7
9 | 0
7
7
9 | 0
4
2
3 | 0
6
7
7 | 0
7
3
0 | 0
7
7
9 | | |
| | ANIMAL ID | 0
0
1
7
6 | 0
0
1
7
7 | 0
0
1
7
8 | 0
0
1
7
9 | 0
0
1
8
0 | 0
0
1
8
1 | 0
0
1
8
2 | 0
0
1
8
3 | 0
0
1
8
4 | 0
0
1
8
5 | 0
0
1
8
6 | 0
0
1
8
7 | 0
0
1
8
8 | 0
0
1
8
9 | 0
0
1
9
0 | 0
0
1
9
1 | 0
0
1
9
2 | 0
0
1
9
3 | 0
0
1
9
4 | 0
0
1
9
5 | 0
0
1
9
6 | 0
0
1
9
7 | 0
0
1
9
8 | 0
0
1
9
9 | |
| | | 1
7
6 | 1
7
7 | 1
7
8 | 1
7
9 | 1
8
0 | 1
8
1 | 1
8
2 | 1
8
3 | 1
8
4 | 1
8
5 | 1
8
6 | 1
8
7 | 1
8
8 | 1
8
9 | 1
9
0 | 1
9
1 | 1
9
2 | 1
9
3 | 1
9
4 | 1
9
5 | 1
9
6 | 1
9
7 | 1
9
8 | 1
9
9 | |
| | | 6
7
8 | 7
7
8 | 8
7
9 | 9
7
0 | 0
8
1 | 1
8
2 | 2
8
3 | 3
8
4 | 4
8
5 | 5
8
6 | 6
8
7 | 7
8
8 | 8
8
9 | 9
8
0 | 0
9
1 | 1
9
2 | 2
9
3 | 3
9
4 | 4
9
5 | 5
9
6 | 6
9
7 | 7
9
8 | 8
9
9 | 9
9
0 | |
| | | | |
| | | * TOTALS | | |
| Renal Tubule, Hyperplasia | | 1 1.0 | | |
| Urinary Bladder Inflammation | | 50 | | |
| Transitional Epithelium, Hyperplasia | | 2 3.5 | | |
| | | 1 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

1 .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

Page 65

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

TDMS No. 99028 - 05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: RATS/F 344

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Reqsted: 11/12/2007
Time Report Reqsted: 14:57:37
First Dose M/F: 09/16/02 / 09/17/02
Lab: BAT

| | | |
|--|--|-----------|
| DAY ON TEST | | 0 | 0 | | |
| | | 7 | 6 | 7 | 7 | 5 | 5 | 7 | 7 | 7 | 7 | 6 | 5 | 5 | 5 | 6 | 7 | 7 | 7 | 7 | 7 | 6 | 6 | 5 | 7 | 7 | |
| | | 3 | 1 | 3 | 1 | 8 | 2 | 0 | 2 | 3 | 3 | 8 | 4 | 1 | 1 | 6 | 3 | 3 | 3 | 3 | 3 | 7 | 9 | 7 | 3 | 3 | |
| | | 0 | 4 | 1 | 8 | 0 | 9 | 3 | 1 | 1 | 0 | 6 | 6 | 1 | 9 | 8 | 1 | 1 | 0 | 0 | 0 | 2 | 4 | 1 | 0 | 1 | |
| | | |
| FISCHER 344 RATS FEMALE

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

ALIMENTARY SYSTEM

| | |
|---|---|
| Esophagus | + |
| Intestine Large, Cecum | + |
| Intestine Large, Colon
Parasite Metazoan | + |
| Intestine Large, Rectum
Ulcer | + |
| Intestine Small, Duodenum
Ulcer | + |
| Intestine Small, Ileum | + |
| Intestine Small, Jejunum | + |
| Liver | + |
| Angiectasis | | | | 1 | | | | | | | | | | | 1 | | | | | | | | | | 1 |
| Basophilic Focus | X | | X | X | X | | X | | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X |
| Clear Cell Focus | | | X | | | X | | | | | | X | | | | | | X | X | | | | X | | X |
| Eosinophilic Focus | | | | | | | | | | | | | | | | | X | X | | | | | | | |
| Fatty Change | 1 | | | | | 2 | | | 1 | | | 3 | | | | | | | | | | | 1 | | |
| Fibrosis |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1 | 1 | 1 | | | |
| Hepatodiaphragmatic Nodule | | | | | | | | | | | | | | | | X | | | | | X | X | | | |

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

+ .. Tissue examined microscopically

x .. Lesion present

l .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

Page 66

TDMS No. 99028 - 05
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: RATS/F 344

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 bis(2-Chloroethoxy)methane
 CAS Number: 111-91-1

Date Report Requested: 11/12/2007
 Time Report Requested: 14:57:37
 First Dose M/F: 09/16/02 / 09/17/02
 Lab: BAT

| | | 0 | | |
|------------------------------------|--|-------------------|
| DAY ON TEST | | 7 | 6 | 7 | 7 | 5 | 5 | 7 | 7 | 7 | 7 | 6 | 5 | 5 | 5 | 6 | 7 | 7 | 7 | 7 | 7 | 6 | 6 | 5 | 7 | 7 | |
| | | 3 | 1 | 3 | 1 | 8 | 2 | 0 | 2 | 3 | 3 | 8 | 4 | 1 | 1 | 6 | 3 | 3 | 3 | 3 | 3 | 7 | 9 | 7 | 3 | 3 | |
| | | 0 | 4 | 1 | 8 | 0 | 9 | 3 | 1 | 1 | 0 | 6 | 6 | 1 | 9 | 8 | 1 | 1 | 0 | 0 | 0 | 2 | 4 | 1 | 0 | 1 | |
| FISCHER 344 RATS FEMALE | | 0 | | |
| ANIMAL ID | | 0 | | |
| 0 MG/KG | | 2 | | |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | | |
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | females (cont...) |
| Inflammation | | 1 | 1 | 1 | 1 | 1 | | 1 | | 1 | 1 | 1 | 1 | 1 | | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | 1 | 1 | | |
| Mixed Cell Focus | | | | | X | | | | | X | | | | | | | | | | | | | | | | | |
| Necrosis | | | | | | 1 | | | | | | | | | | | | | | | | | | 1 | | | |
| Bile Duct, Hyperplasia | | | 2 | | | 1 | | | | 1 | | | | | 1 | 1 | 1 | | | | 1 | 1 | | 1 | | | |
| Centrilobular, Necrosis | | | 3 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 2 | | | |
| Periportal, Cytoplasmic Alteration | | 2 | |
| Mesentery | | + | | | | | | | + | | | + | | | | | + | | + | + | | | | | + | | |
| Necrosis | | |
| Fat, Necrosis | | 2 | | | | | | | 3 | | | | 2 | | | | 4 | | 2 | 2 | | | | | 2 | | |
| Oral Mucosa | | | | | | | | | | | | | | | | + | | | | | | | | | | | |
| Pancreas | | + | |
| Inflammation | | | | | | 2 | |
| Acinus, Atrophy | | | 1 | | | | | | | | | 1 | | | 2 | | 1 | | | | | | 2 | | 3 | | |
| Acinus, Hyperplasia | | |
| Duct, Cyst | | | | | 2 | | | | | | | 1 | | | | | | | | | | | | | | | |
| Salivary Glands | | + | |
| Stomach, Forestomach | | + | |
| Inflammation | | | | | | | 3 | | | | | 3 | | 2 | | | | | | | | | | 4 | | | |
| Ulcer | | | | | | | | | | | | 3 | | 2 | | | | | | | | | | 4 | | | |
| Epithelium, Hyperplasia | | | | | | 4 | |
| Stomach, Glandular | | + | |
| Inflammation | | | | | | | 2 | |
| Ulcer | | | 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 67

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

TDMS No. 99028 - 05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: RATS/F 344

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First Dose M/F: 09/16/02 / 09/17/02
Lab: BAT

| | | |
|---|--|---|
| DAY ON TEST | | 0 | |
| | | 7 | 6 | 7 | 7 | 5 | 5 | 7 | 7 | 7 | 7 | 6 | 5 | 5 | 5 | 6 | 7 | 7 | 7 | 7 | 7 | 6 | 6 | 5 | 7 | 7 |
| | | 3 | 1 | 3 | 1 | 8 | 2 | 0 | 2 | 3 | 3 | 8 | 4 | 1 | 1 | 6 | 3 | 3 | 3 | 3 | 3 | 7 | 9 | 7 | 3 | 3 |
| | | 0 | 4 | 1 | 8 | 0 | 9 | 3 | 1 | 1 | 0 | 6 | 6 | 1 | 9 | 8 | 1 | 1 | 0 | 0 | 0 | 2 | 4 | 1 | 0 | 1 |
| | | |
| FISCHER 344 RATS FEMALE
ANIMAL ID
0 MG/KG | | 0 | |
| | | 0 | |
| | | 2 |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 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...) | | |

CARDIOVASCULAR SYSTEM

| | |
|---|---|
| Blood Vessel | + |
| Heart | + |
| Cardiomyopathy | 1 | 1 | 1 | 1 | | 1 | 1 | 1 | 1 | 1 | 1 | | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | | | 1 | 1 |
| Fibrosis | 2 | 2 | 1 | 1 | 1 | 1 | 2 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | | 1 | 1 | 2 |
| Thrombosis |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 3 | | | |
| Coronary Artery, Inflammation |
| Myocardium, Infiltration Cellular, Mononuclear Cell | 2 | 2 | 1 | 1 | 1 | 1 | 2 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 1 | 1 | 1 | 2 | |
| Myocardium, Necrosis | 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 |
| Myocardium, Vacuolization Cytoplasmic | 2 | 2 | 1 | 1 | 1 | 1 | 2 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 1 | 1 | 1 | 2 | |

ENDOCRINE SYSTEM

| |
|---------------------------|
| Adrenal Cortex | + |
| Angiectasis |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 3 |
| Hyperplasia | 1 | | 1 | | | | 1 | | 1 | 2 | | 2 | | | | 2 | | | | | | | | | |
| Vacuolization Cytoplasmic | 3 | | | | 1 | 2 | | | 1 | 1 | | | | | | | 2 | | | | | | | | |
| Adrenal Medulla | + |
| Hyperplasia |
| Islets, Pancreatic | + |
| Hyperplasia | | 1 | | 1 | | | | | | | | 1 | | 1 | 1 | | | | | | | 1 | | | |

TDMS No. 99028 - 05
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Time Report Reqsted: 14:57:37
First Dose M/F: 09/16/02 / 09/17/02
Lab: BAT

| DAY ON TEST | | 0 | females
(cont...) | |
|---|--|----------------------|----------------------|
| | | 7 | 6 | 7 | 7 | 5 | 5 | 7 | 7 | 7 | 7 | 6 | 5 | 5 | 5 | 6 | 7 | 7 | 7 | 7 | 7 | 6 | 6 | 5 | 7 | | 7 |
| | | 3 | 1 | 3 | 1 | 8 | 2 | 0 | 2 | 3 | 3 | 8 | 4 | 1 | 1 | 6 | 3 | 3 | 3 | 3 | 3 | 7 | 9 | 7 | 3 | | 3 |
| | | 0 | 4 | 1 | 8 | 0 | 9 | 3 | 1 | 1 | 0 | 6 | 6 | 1 | 9 | 8 | 1 | 1 | 0 | 0 | 0 | 2 | 4 | 1 | 0 | | 1 |
| | | | |
| FISCHER 344 RATS FEMALE
0 MG/KG
ANIMAL ID | | 0 | females
(cont...) |
| | | 0 | |
| | | 2 | |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 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 | |

| |
|------------------------------|
| Parathyroid Gland | + | + | + | + | M | + | + | + | + | + | + | + | + | M | + | + | M | M | + | + | + | + | M | + | M | |
| Pituitary Gland | + |
| Angiectasis | 3 | | 2 | 2 | 4 | | 3 | 2 | 3 | 2 | 2 | 4 | | 2 | | | 2 | 1 | 1 | | | | 2 | | 2 | |
| Atrophy |
| Cyst | | | 1 | | | 1 | | | | 1 | | | 1 | | | 1 | | | 3 | 2 | 1 | | | 1 | 2 | |
| Pars Distalis, Hyperplasia | | 3 | 3 | | | | | | 2 | | | | 3 | | | 3 | 2 | | | | 2 | | | | 1 | |
| Pars Intermedia, Hyperplasia | | | | | | | | | | | | | | | | | | | 2 | | | | | | | |
| Thyroid Gland | + |
| C-cell, Hyperplasia | 2 | 2 | 1 | 2 | 1 | | 1 | | 1 | 3 | 3 | 1 | | 2 | 1 | 1 | 2 | 1 | | | | 2 | 1 | 2 | 2 | |

GENERAL BODY SYSTEM
NONE

GENITAL SYSTEM

| |
|----------------|
| Clitoral Gland | + |
| Cyst |
| Hyperplasia |
| Inflammation | 1 | 2 | 1 | 1 | 1 | | 1 | 1 | 1 | 1 | 1 | | | 1 | | 1 | 1 | | 2 | 1 | | | | | 2 | |
| Ovary | + |
| Cyst | 2 | | | | | | | 2 | | | | | | 3 | | 2 | | | | | | | | | | |
| Uterus | + |

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

+ .. Tissue examined microscopically

x .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

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1-4 .. Lesion qualified as:

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2) Mild 4) Marked

Page 69

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Route: SKIN APPLICATION
Species/Strain: RATS/F 344

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bis(2-Chloroethoxy)methane
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Time Report Reqsted: 14:57:37
First Dose M/F: 09/16/02 / 09/17/02
Lab: BAT

| | |
|---|---|
| DAY ON TEST | 0 |
| | 7 | 6 | 7 | 7 | 5 | 5 | 7 | 7 | 7 | 7 | 6 | 5 | 5 | 5 | 6 | 7 | 7 | 7 | 7 | 7 | 6 | 6 | 5 | 7 | 7 |
| | 3 | 1 | 3 | 1 | 8 | 2 | 0 | 2 | 3 | 3 | 8 | 4 | 1 | 1 | 6 | 3 | 3 | 3 | 3 | 3 | 7 | 9 | 7 | 3 | 3 |
| | 0 | 4 | 1 | 8 | 0 | 9 | 3 | 1 | 1 | 0 | 6 | 6 | 1 | 9 | 8 | 1 | 1 | 0 | 0 | 0 | 2 | 4 | 1 | 0 | 1 |
| | |
| FISCHER 344 RATS FEMALE
ANIMAL ID
0 MG/KG | 0 |
| | 0 |
| | 2 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 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...)

INTEGUMENTARY SYSTEM

| | |
|--|---|
| Mammary Gland | + |
| Hyperplasia | | | | | 1 | | | | | | | | | | | | | | | | | | 1 | | |
| Inflammation |
| Skin | + |
| Control Dermis, Inflammation |
| Control Epidermis, Hyperplasia |
| Site Of Application - Dermis, Fibrosis |
| Site Of Application - Epidermis, Hyperplasia | |
| Site Of Application - Epidermis, Ulcer |

MUSCULOSKELETAL SYSTEM

| |
|---------------------|
| Bone | + |
| Joint, Inflammation | |

NERVOUS SYSTEM

| |
|---------------------------|
| Brain | + |
| Hemorrhage |
| Hydrocephalus | | | | | 3 | | 4 | | 3 | | 3 | 3 | | | | | | | | | | | | | |
| Hypothalamus, Compression | | | | | 4 | | 3 | | 3 | | 4 | 3 | | | | | | | | | | | | | |

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

+ .. Tissue examined microscopically

x .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

Page 71

Date Report Requested: 11/12/2007
Time Report Requested: 14:57:37
First Dose M/F: 09/16/02 / 09/17/02
Lab: BAT

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

Page 72

Date Report Requested: 11/12/2007
Time Report Requested: 14:57:37
First Dose M/F: 09/16/02 / 09/17/02
Lab: BAT

2) Mild 4) Marked

Date Report Requested: 11/12/2007
Time Report Requested: 14:57:37
First Dose M/F: 09/16/02 / 09/17/02
Lab: BAT

CAS Number: 111-91-1

2) Mild 4) Marked

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

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TDMS No. 99028 - 05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: RATS/F 344

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 11/12/2007
Time Report Requested: 14:57:37
First Dose M/F: 09/16/02 / 09/17/02
Lab: BAT

| DAY ON TEST | 0 |
|---|----------|
| | 7 | 4 | 7 | 5 | 6 | 5 | 7 | 7 | 5 | 6 | 6 | 5 | 6 | 7 | 7 | 5 | 7 | 7 | 6 | 6 | 7 | 4 | 0 | 7 | 5 | | |
| | 2 | 7 | 3 | 8 | 0 | 3 | 3 | 3 | 3 | 9 | 0 | 9 | 1 | 3 | 0 | 8 | 3 | 3 | 8 | 8 | 3 | 6 | 3 | 3 | 5 | | |
| | 3 | 9 | 1 | 1 | 3 | 2 | 1 | 1 | 9 | 4 | 5 | 7 | 6 | 1 | 9 | 2 | 1 | 0 | 3 | 3 | 1 | 9 | 9 | 0 | 3 | | |
| | |
| FISCHER 344 RATS FEMALE
0 MG/KG
ANIMAL ID | 0 |
| | 0 |
| | 2 |
| | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 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 |

| | | | |
|------------------------------|----|----|-----|
| Parathyroid Gland | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 43 | | |
| Pituitary Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | | |
| Angiectasis | 3 | | 2 | 4 | | | 3 | 2 | 4 | 3 | 2 | 3 | 3 | 3 | | | 4 | | | 3 | 3 | 2 | | 1 | | | | 32 | 2.6 |
| Atrophy | | | | 2 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1 | 2.0 |
| Cyst | | | 2 | | 1 | | | | | | | | | | 2 | | | | 1 | 1 | | | | 2 | | | | 16 | 1.4 |
| Pars Distalis, Hyperplasia | | 1 | 3 | | | 1 | | | | | 2 | | | 2 | | | | | 2 | | | 2 | | 2 | | | | 16 | 2.1 |
| Pars Intermedia, Hyperplasia |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1 | 2.0 |
| Thyroid Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | | |
| C-cell, Hyperplasia | | | | | 1 | 1 | 2 | 2 | 2 | | 1 | | 1 | 1 | | | 2 | 1 | 1 | 1 | 2 | | | 1 | | | | 33 | 1.5 |

GENERAL BODY SYSTEM
NONE

GENITAL SYSTEM

| | | | |
|----------------|----|----|-----|
| Clitoral Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | | |
| Cyst | 2 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1 | 2.0 |
| Hyperplasia | | | | | | | | | | 3 | 3 | | | | | | | | | | | | | | | | | 2 | 3.0 |
| Inflammation | 2 | | | 1 | 2 | 1 | | 1 | 2 | | 2 | | 2 | 3 | | | 1 | 2 | 1 | 2 | | | | 1 | 1 | | | 32 | 1.4 |
| Ovary | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | | |
| Cyst |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 3 | | | 5 | 2.4 |
| Uterus | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | | |

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

+ .. Tissue examined microscopically

x .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

Page 77

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

Date Report Requested: 11/12/2007
Time Report Requested: 14:57:37
First Dose M/F: 09/16/02 / 09/17/02
Lab: BAT

1-4 .. Lesion qualified as:

Date Report Requested: 11/12/2007
Time Report Requested: 14:57:37
First Dose M/F: 09/16/02 / 09/17/02
Lab: BAT

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

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TDMS No. 99028 - 05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: RATS/F 344

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 11/12/2007
Time Report Requested: 14:57:37
First Dose M/F: 09/16/02 / 09/17/02
Lab: BAT

| | | | | |
|-------------------------------------|--|----------------------|----------------------|---|
| DAY ON TEST | | 0 | females
(cont...) | | |
| | | 7 | 7 | 5 | 7 | 6 | 5 | 7 | 7 | 7 | 7 | 6 | 7 | 7 | 6 | 7 | 3 | 7 | 5 | 7 | 7 | 5 | 7 | 7 | | 7 | |
| | | 3 | 3 | 9 | 3 | 0 | 8 | 3 | 3 | 3 | 3 | 2 | 3 | 3 | 8 | 3 | 8 | 1 | 3 | 3 | 3 | 7 | 9 | 3 | | 1 | 3 |
| | | 1 | 1 | 5 | 0 | 6 | 6 | 0 | 0 | 0 | 0 | 4 | 1 | 0 | 3 | 1 | 8 | 1 | 2 | 1 | 0 | 0 | 2 | 0 | | 4 | 0 |
| | | | | |
| FISCHER 344 RATS FEMALE
75 MG/KG | | 0 | | females
(cont...) | |
| | | 0 | | | 0 |
| | | 2 | | | 2 |
| | | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | | | 7 |
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | | 4 | 5 |

females
(cont...)

ALIMENTARY SYSTEM

| | |
|--|---|
| Esophagus | + |
| Intestine Large, Cecum | + |
| Intestine Large, Colon
Parasite Metazoan | + |
| Intestine Large, Rectum
Parasite Metazoan | + |
| Intestine Small, Duodenum | + |
| Intestine Small, Ileum | + |
| Intestine Small, Jejunum | + |
| Liver | + |
| Angiectasis |
| Basophilic Focus | X | X | | X |
| Clear Cell Focus |
| Degeneration, Cystic |
| Eosinophilic Focus |
| Fatty Change |
| Fibrosis |
| Hepatodiaphragmatic 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
Page 82

TDMS No. 99028 - 05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: RATS/F 344

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Reqsted: 11/12/2007
Time Report Reqsted: 14:57:37
First Dose M/F: 09/16/02 / 09/17/02
Lab: BAT

|  |  | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|-------------------------|--|-------------------|
| DAY ON TEST | | 7 | 7 | 5 | 7 | 6 | 5 | 7 | 7 | 7 | 7 | 6 | 7 | 7 | 6 | 7 | 3 | 7 | 5 | 7 | 7 | 5 | 7 | 7 | 7 | 7 |
| | | 3 | 3 | 9 | 3 | 0 | 8 | 3 | 3 | 3 | 3 | 2 | 3 | 3 | 8 | 3 | 8 | 1 | 3 | 3 | 3 | 3 | 9 | 3 | 1 | 3 |
| | | 1 | 1 | 5 | 0 | 6 | 6 | 0 | 0 | 0 | 0 | 4 | 1 | 0 | 3 | 1 | 8 | 1 | 2 | 1 | 0 | 0 | 2 | 0 | 4 | 0 |
| FISCHER 344 RATS 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 |
| 75 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 | 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...) | |
| Inflammation |  | 1 | 1 |  | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | 1 |
| Mixed Cell Focus | | | | | X | | | | X | | | | | | | | | | | | | | | | | |
| Necrosis | | | | | | | | | | | | | | | | | 1 | | | | | | | | | |
| Bile Duct, Cyst | | | 2 | |
| Bile Duct, Hyperplasia | | | | | | | | | | 1 | 2 | 2 | | | | | 1 | | | | 1 | 1 | | | | |
| Centrilobular, Necrosis | | | | 3 | | | | | | | 3 | | | | | | | | | | | | | | | |
| | | |
| Mesentery | | | | + | + | | | | | | + | | | | + | | | | | | + | | | | | |
| Fat, Necrosis | | | | 4 | 3 | | | | | | 3 | | | | 2 | | | | | | 3 | | | | | |
| | | |
| Pancreas | | + | + |
| Hyperplasia | | 2 |
| Acinus, Atrophy | | | 2 | | 1 | | | | 1 | | 1 | 1 | | | | 1 | 1 | | | 1 | | | 2 | | | |
| Duct, Cyst | | | | | | 2 | | | | | | | | | | | 2 | | | | | | | | | |
| | | |
| Salivary Glands | | + | + |
| | | |
| Stomach, Forestomach | | + | + |
| Inflammation | | | | 3 | |
| Ulcer | | | | 3 | | | | | | | | | 3 | | | | | | | | | | | | | |
| Epithelium, Hyperplasia | | | | 1 | | | | | | | | 3 | | | | | | | | | | | | | | |
| | | |
| Stomach, Glandular | | + | + |
| Ulcer | | | | 1 | |

CARDIOVASCULAR SYSTEM

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

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

+ .. Tissue examined microscopically

x .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

Page 83

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

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

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TDMS No. 99028 - 05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: RATS/F 344

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Reqsted: 11/12/2007
Time Report Reqsted: 14:57:37
First Dose M/F: 09/16/02 / 09/17/02
Lab: BAT

| DAY ON TEST | | 0 | 0 | |
|-------------------------------------|--|-------------------|
| | | 7 | 7 | 5 | 7 | 6 | 5 | 7 | 7 | 7 | 7 | 6 | 7 | 7 | 6 | 7 | 3 | 7 | 5 | 7 | 7 | 7 | 5 | 7 | 7 | |
| | | 3 | 3 | 9 | 3 | 0 | 8 | 3 | 3 | 3 | 3 | 2 | 3 | 3 | 8 | 3 | 8 | 1 | 3 | 3 | 3 | 7 | 9 | 3 | 1 | 7 |
| | | 1 | 1 | 5 | 0 | 6 | 6 | 0 | 0 | 0 | 0 | 4 | 1 | 0 | 3 | 1 | 8 | 1 | 2 | 1 | 0 | 0 | 2 | 0 | 4 | 0 |
| FISCHER 344 RATS FEMALE
75 MG/KG | | |
| | | |
| | | |
| | | |
| | | |
| ANIMAL ID | | 0 | 0 | |
| | | 0 | 0 | |
| | | 2 | 2 | |
| | | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | |
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | |
| | | females (cont...) | |

Thyroid Gland
C-cell, Hyperplasia
Follicle, Hyperplasia

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

GENERAL BODY SYSTEM
NONE

GENITAL SYSTEM

Clitoral Gland
Cyst
Hyperplasia
Inflammation

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

Ovary
Atrophy
Cyst

+
4
2 1 2

Uterus
Cervix, Endometrium, Hyperplasia
Endometrium, Hyperplasia, Cystic

+
3
2 2 1

HEMATOPOIETIC SYSTEM

Bone Marrow

+ +

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
+ .. Tissue examined microscopically
x .. Lesion present
I .. Insufficient tissue
M .. Missing tissue
A .. Autolysis precludes evaluation
BLANK .. Not examined microscopically
1-4 .. Lesion qualified as:
1) Minimal 3) Moderate
2) Mild 4) Marked
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TDMS No. 99028 - 05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: RATS/F 344

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Reqsted: 11/12/2007
Time Report Reqsted: 14:57:37
First Dose M/F: 09/16/02 / 09/17/02
Lab: BAT

| | | | |
|--|-------------|-----------------------|--|
| FISCHER 344 RATS FEMALE
75 MG/KG | DAY ON TEST | 0
7
3
1 | 0
7
3
1 | 0
5
9
5 | 0
7
3
0 | 0
6
6
6 | 0
5
8
6 | 0
7
3
0 | 0
7
3
0 | 0
7
3
0 | 0
7
3
0 | 0
6
2
4 | 0
7
3
1 | 0
6
8
3 | 0
7
3
1 | 0
6
8
1 | 0
5
3
2 | 0
7
3
1 | 0
5
3
0 | 0
7
3
0 | 0
5
9
2 | 0
7
3
0 | 0
7
3
0 | 0
7
3
4 | 0
7
1
0 | | |
| | ANIMAL ID | 0
0
2
5
1 | 0
0
2
5
2 | 0
0
2
5
3 | 0
0
2
5
4 | 0
0
2
5
5 | 0
0
2
5
6 | 0
0
2
5
7 | 0
0
2
5
8 | 0
0
2
5
9 | 0
0
2
5
0 | 0
0
2
6
1 | 0
0
2
6
2 | 0
0
2
6
3 | 0
0
2
6
4 | 0
0
2
6
5 | 0
0
2
6
6 | 0
0
2
6
7 | 0
0
2
6
8 | 0
0
2
6
9 | 0
0
2
7
0 | 0
0
2
7
1 | 0
0
2
7
2 | 0
0
2
7
3 | 0
0
2
7
4 | 0
0
2
7
5 | |
| | | | |
| | | | |
| | | | |
| Hyperplasia | | 2 | |
| Lymph Node
Mediastinal, Ectasia | | | |
| Lymph Node, Mandibular | | M | |
| Lymph Node, Mesenteric | | + | |
| Spleen
Hematopoietic Cell Proliferation | | + | |
| | | 1 | 1 | | 2 | 2 | | 1 | | 1 | 1 | | 2 | 1 | | 2 | 1 | | 2 | 1 | 2 | 1 | 1 | 1 | | 1 | |
| Thymus
Atrophy | | + | |
| | | 4 | 4 | 4 | 4 | 3 | 2 | 4 | 3 | 4 | 4 | 4 | 4 | 4 | 3 | 4 | 4 | 4 | 2 | 4 | 4 | 3 | 3 | 3 | 2 | 3 | |

INTEGUMENTARY SYSTEM

| | | |
|--|--|---|
| Mammary Gland | | + |
| Skin | | + |
| Dermis, Inflammation | | |
| Epidermis, Hyperplasia | | |
| Epidermis, Ulcer | | |
| Site Of Application - Dermis, Inflammation | | |
| Site Of Application - Epidermis, Hyperplasia | | |
| Site Of Application - Epidermis, Ulcer | | |

* .. 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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1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

TDMS No. 99028 - 05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: RATS/F 344

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Reqsted: 11/12/2007
Time Report Reqsted: 14:57:37
First Dose M/F: 09/16/02 / 09/17/02
Lab: BAT

| DAY ON TEST | | 0 | 0 | |
|-------------------------------------|--|-------------------|
| | | 7 | 7 | 5 | 7 | 6 | 5 | 7 | 7 | 7 | 7 | 6 | 7 | 7 | 6 | 7 | 3 | 7 | 5 | 7 | 7 | 7 | 5 | 7 | 7 | |
| | | 3 | 3 | 9 | 3 | 0 | 8 | 3 | 3 | 3 | 3 | 2 | 3 | 3 | 8 | 3 | 8 | 1 | 3 | 3 | 3 | 3 | 9 | 3 | 1 | 3 |
| | | 1 | 1 | 5 | 0 | 6 | 6 | 0 | 0 | 0 | 0 | 4 | 1 | 0 | 3 | 1 | 8 | 1 | 2 | 1 | 0 | 0 | 2 | 0 | 4 | 0 |
| FISCHER 344 RATS FEMALE
75 MG/KG | | |
| | | |
| | | |
| | | |
| | | |
| ANIMAL ID | | 0 | 0 | |
| | | 0 | 0 | |
| | | 2 | 2 | |
| | | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | |
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | |
| | | females (cont...) | |

| |
|--------------|
| Trachea | + |
| Glands, Cyst | | | | | | | | | | | | | | | 2 | | | | | | | | | | |

SPECIAL SENSES SYSTEM

| |
|-----------------------------|
| Eye | + |
| Cataract | | | | | | | | | | | 3 | | | | | | | | | | | 3 | | | |
| Retina, Atrophy | | | 2 | | | | | | | | 3 | | | | | | | | | | | 3 | | | |
| Sclera, Metaplasia, Osseous | |
| Harderian Gland | + |
| Inflammation | | | | 1 | | | | 1 | | | | 1 | 1 | 1 | | | | | | 1 | | 1 | | | |
| Capillary, Hyperplasia | | | | | | | | | | | | | 1 | | | | | | | | | | | | |
| Lacrimal Gland | | | | | | | | | | | + | | | | | | | | | | | | | | |
| Hyperplasia | | | | | | | | | | | 2 | | | | | | | | | | | | | | |

URINARY SYSTEM

| |
|---------------------------|
| Kidney | + |
| Hydronephrosis |
| Inflammation, Suppurative | |
| Nephropathy | 1 | | | 1 | | 1 | 1 | | 1 | 2 | | 1 | | 1 | 2 | | | | 1 | 1 | | 1 | 1 | 1 | |
| Urinary Bladder | + |

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

+ .. Tissue examined microscopically

x .. Lesion present

l .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

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TDMS No. 99028 - 05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: RATS/F 344

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 11/12/2007
Time Report Requested: 14:57:37
First Dose M/F: 09/16/02 / 09/17/02
Lab: BAT

| DAY ON TEST | | 0 | 0 | |
|-------------------------------------|--|----------|
| | | 7 | 6 | 7 | 7 | 6 | 7 | 6 | 7 | 7 | 5 | 7 | 7 | 7 | 6 | 7 | 6 | 4 | 7 | 5 | 7 | 6 | 7 | 7 | 7 | |
| | | 3 | 5 | 3 | 3 | 2 | 0 | 6 | 3 | 3 | 7 | 3 | 3 | 3 | 2 | 3 | 3 | 1 | 3 | 7 | 3 | 0 | 3 | 3 | 3 | |
| | | 1 | 3 | 0 | 1 | 4 | 7 | 9 | 1 | 0 | 5 | 0 | 0 | 1 | 4 | 1 | 4 | 0 | 1 | 1 | 1 | 3 | 0 | 0 | 0 | |
| | | |
| FISCHER 344 RATS FEMALE
75 MG/KG | | 0 | 0 | |
| | | 0 | 0 | |
| | | 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 | 0 | |
| | | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 |
| | | * TOTALS | |

ALIMENTARY SYSTEM

| | |
|----------------------------|-------|
| Esophagus | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Intestine Large, Cecum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Intestine Large, Colon | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Parasite Metazoan | | | | | | | 1 | | | | 1 | | | | | | | | | | | | | | | 3 1.0 |
| Intestine Large, Rectum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Parasite Metazoan | | | | | | | | | | | | | | | | | | 3 | | | | | | | | 4 3.0 |
| Intestine Small, Duodenum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Intestine Small, Ileum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Intestine Small, Jejunum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Liver | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Angiectasis | | | | | | | | | | | 1 | | | | | | | | | | | | | 1 | 1 | 5 1.2 |
| Basophilic Focus | X | X | X | X | X | | | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | 48 |
| Clear Cell Focus | | | | X | | | | | | | | X | X | | | | X | X | | | | | | | | 9 |
| Degeneration, Cystic | | | | | | | | | | | | | 1 | | | | | | | | | | | | | 2 1.0 |
| Eosinophilic Focus | | | X | | | | | | | | | | | | | | | | | | | X | X | | | 8 |
| Fatty Change | | | | | 1 | 2 | 2 | | | | | | | 1 | 1 | | | | 2 | | | | | 1 | | 9 1.4 |
| Fibrosis | | | | | | | | | | | | | | 1 | 1 | | | | | | | | 1 | | | 3 1.0 |
| Hepatodiaphragmatic Nodule | | | | X | | | | | | | | | | | | | X | X | | | | | | | | 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

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Date Report Requested: 11/12/2007
Time Report Requested: 14:57:37
First Dose M/F: 09/16/02 / 09/17/02
Lab: BAT

CARDIOVASCULAR SYSTEM

[illegible]

2) Mild 4) Marked

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

Page 91

Date Report Requested: 11/12/2007
Time Report Requested: 14:57:37
First Dose M/F: 09/16/02 / 09/17/02
Lab: BAT

Lab: BAT

| | | |
|--|--|----------|
| DAY ON TEST | | 0 | 0 | |
| | | 7 | 6 | 7 | 7 | 6 | 7 | 6 | 7 | 7 | 5 | 7 | 7 | 7 | 6 | 7 | 6 | 4 | 7 | 5 | 7 | 6 | 7 | 7 | 7 | 7 |
| | | 3 | 5 | 3 | 3 | 2 | 0 | 6 | 3 | 3 | 7 | 3 | 3 | 3 | 2 | 3 | 3 | 1 | 3 | 7 | 3 | 0 | 3 | 3 | 3 | 3 |
| | | 1 | 3 | 0 | 1 | 4 | 7 | 9 | 1 | 0 | 5 | 0 | 0 | 1 | 4 | 1 | 4 | 0 | 1 | 1 | 1 | 3 | 0 | 0 | 0 | 0 |
| FISCHER 344 RATS FEMALE
ANIMAL ID
75 MG/KG | | 0 | 0 | |
| | | 0 | 0 | |
| | | 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 | 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 | |

[illegible]

INTEGUMENTARY SYSTEM

[illegible]

2) Mild 4) Marked

TDMS No. 99028 - 05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: RATS/F 344

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 11/12/2007
Time Report Requested: 14:57:37
First Dose M/F: 09/16/02 / 09/17/02
Lab: BAT

| DAY ON TEST | | 0 | |
|--|--|----------|
| | | 7 | 6 | 7 | 7 | 6 | 7 | 6 | 7 | 7 | 5 | 7 | 7 | 7 | 6 | 7 | 6 | 4 | 7 | 5 | 7 | 6 | 7 | 7 | 7 | 7 | |
| | | 3 | 5 | 3 | 3 | 2 | 0 | 6 | 3 | 3 | 7 | 3 | 3 | 3 | 2 | 3 | 3 | 1 | 3 | 7 | 3 | 0 | 3 | 3 | 3 | 3 | |
| | | 1 | 3 | 0 | 1 | 4 | 7 | 9 | 1 | 0 | 5 | 0 | 0 | 1 | 4 | 1 | 4 | 0 | 1 | 1 | 1 | 3 | 0 | 0 | 0 | 0 | |
| | | |
| FISCHER 344 RATS FEMALE
ANIMAL ID
75 MG/KG | | 0 | |
| | | 0 | |
| | | 2 | 3 | |
| | | 7 | 7 | 7 | 7 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 0 | |
| | | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | * TOTALS |

MUSCULOSKELETAL SYSTEM

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

NERVOUS SYSTEM

| | |
|---|--------|
| Brain | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Hydrocephalus | 4 | 4 | | 2 | 3 | 2 | | | | | | | | | 3 | | 3 | | | | 4 | 4 | | | | | 14 3.0 |
| Hippocampus, Necrosis |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1 2.0 |
| Hypothalamus, Compression | 4 | 4 | | 3 | 2 | 3 | | | | | | | | 3 | | 4 | | | | | 4 | 4 | | | | | 12 3.6 |
| Vein, Infiltration Cellular, Mononuclear Cell |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1 2.0 |

RESPIRATORY SYSTEM

| | |
|---|--------|
| Lung | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Inflammation | | | | 1 | 1 | 1 | 1 | 1 | | 1 | | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | 1 | | 1 | | 31 1.0 |
| Alveolar Epithelium, Hyperplasia | | | | | | | 2 | | | | | | | | | | | 2 | 1 | | | 1 | | | | | 7 1.6 |
| Bronchus, Hyperplasia |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1 2.0 |
| Nose | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49 |
| Foreign Body |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | X | | | | 2 |
| Inflammation | | | 1 | | 1 | | | 1 | | | | | 1 | 1 | | 2 | | | | | 1 | | | | 1 | | 14 1.1 |
| Olfactory Epithelium, Accumulation, Hyaline Droplet |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1 2.0 |
| Olfactory Epithelium, Degeneration | | | | | | | | 1 | | 1 | | | | | | | | | | | | | | | | | 4 1.3 |

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

+ .. Tissue examined microscopically

x .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

Page 94

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

Date Report Requested: 11/12/2007
Time Report Requested: 14:57:37
First Dose M/F: 09/16/02 / 09/17/02
Lab: BAT

2) Mild 4) Marked

TDMS No. 99028 - 05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: RATS/F 344

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bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 11/12/2007
Time Report Requested: 14:57:37
First Dose M/F: 09/16/02 / 09/17/02
Lab: BAT

| | | |
|---|--|---|
| DAY ON TEST | | 0 | |
| | | 7 | 5 | 7 | 7 | 7 | 7 | 6 | 7 | 7 | 7 | 3 | 7 | 7 | 7 | 6 | 5 | 5 | 6 | 6 | 7 | 7 | 6 | 7 | 6 |
| | | 3 | 5 | 3 | 0 | 3 | 3 | 5 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 5 | 6 | 6 | 7 | 3 | 1 | 3 | 1 | 3 | 9 |
| | | 1 | 0 | 0 | 2 | 0 | 1 | 5 | 1 | 0 | 0 | 2 | 1 | 0 | 1 | 3 | 7 | 1 | 3 | 5 | 6 | 1 | 6 | 0 | 7 |
| | | |
| FISCHER 344 RATS FEMALE
ANIMAL ID
150 MG/KG | | 0 |
| | | 0 |
| | | 3 |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 |
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 |
| | | |
| females (cont...) | | |

ALIMENTARY SYSTEM

| | |
|--|---|
| Esophagus | + |
| Intestine Large, Cecum | + |
| Intestine Large, Colon
Parasite Metazoan | + |
| Intestine Large, Rectum
Parasite Metazoan | + | + | + | + | + | + | + | 1 | + | 1 | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Small, Duodenum | + |
| Intestine Small, Ileum | + |
| Intestine Small, Jejunum | + |
| Liver | + |
| Angiectasis |
| Basophilic Focus | X | X | X | | X | X | X | X | X | | X | X | X | | X | X | X | X | X | | X | | | X | |
| Clear Cell Focus | X | | | X | X | X | | | | | | | | | | | | | | | | X | | | |
| Eosinophilic Focus | | | | | X | X | | | | | | | | | | | | | | | | | | | |
| Fatty Change | | | | | | | 1 | | | | | | | | 2 | | | | | | | | | | |
| Fibrosis | | | | 1 | | | | | | | | | | 1 | | | | | 1 | | | | | | 1 |
| Hepatodiaphragmatic Nodule | | X | | | | | | | | | | | X | X | | | | | | | | X | | | |
| Inflammation | 1 | 1 | 1 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | 1 | 1 | 1 | | 1 | | 1 | | | |

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

+ .. Tissue examined microscopically

x .. Lesion present

l .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

Page 96

TDMS No. 99028 - 05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: RATS/F 344

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Reqsted: 11/12/2007
Time Report Reqsted: 14:57:37
First Dose M/F: 09/16/02 / 09/17/02
Lab: BAT

| | | 0 | |
|-------------------------|--|----------------------|
| DAY ON TEST | | 7 | 5 | 7 | 7 | 7 | 7 | 6 | 7 | 7 | 7 | 3 | 7 | 7 | 3 | 7 | 6 | 5 | 5 | 6 | 6 | 7 | 7 | 6 | 7 | 6 | 7 |
| | | 3 | 5 | 3 | 0 | 3 | 3 | 5 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 5 | 6 | 6 | 7 | 3 | 1 | 3 | 1 | 3 | 9 | 3 | |
| | | 1 | 0 | 0 | 2 | 0 | 1 | 5 | 1 | 0 | 0 | 2 | 1 | 0 | 1 | 3 | 7 | 1 | 3 | 5 | 6 | 1 | 6 | 0 | 7 | 0 | |
| | | |
| FISCHER 344 RATS FEMALE | | 0 | |
| ANIMAL ID | | 0 | |
| 150 MG/KG | | 3 | |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | |
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | females
(cont...) |
| Mixed Cell Focus | | X | X | X | | | | X | | | | | | | | | | | | | | | | | | | |
| Necrosis |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 2 | | | | |
| Bile Duct, Cyst | | |
| Bile Duct, Hyperplasia | | 1 | | | 2 | | | 1 | 1 | | | | | | | | 2 | | 1 | 4 | | | | | 2 | | |
| Centrilobular, Necrosis | | | | | | | | | | | | | | | | 2 | | | | | | | | | | | |
| | | |
| Mesentery | | + | | | | | | | | | | | | + | + | | | | | | | + | | | | | |
| Fat, Necrosis | | 3 | | | | | | | | | | | | 2 | 2 | | | | | | | 2 | | | | | |
| | | |
| Pancreas | | + | |
| Acinus, Atrophy | | | | | 1 | | | 1 | | | | | | 2 | | 2 | | | | | | | | | | | |
| Duct, Cyst | | |
| | | |
| Salivary Glands | | + | |
| | | |
| Stomach, Forestomach | | + | |
| Inflammation | | |
| | | |
| Stomach, Glandular | | + | |

CARDIOVASCULAR SYSTEM

| | | |
|------------------------------------|--|---|
| Blood Vessel | | + |
| Heart | | + |
| Cardiomyopathy | | 2 | 1 | | 1 | 1 | 1 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | | 1 | 1 | 1 | 2 | 1 | | 1 | | 1 |
| Fibrosis | | 3 | 2 | 3 | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 2 | 3 | 2 | 2 | 2 | 3 | 2 | 2 | 2 | 2 | 2 | 1 | 3 | 2 |
| Myocardium, Infiltration Cellular, | | 3 | 2 | 3 | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 2 | 3 | 2 | 2 | 2 | 3 | 2 | 2 | 2 | 2 | 2 | 1 | 3 | 2 |

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

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l .. Insufficient tissue

M .. Missing tissue

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

Page 97

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 Species/Strain: RATS/F 344

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 bis(2-Chloroethoxy)methane
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Date Report Requested: 11/12/2007
 Time Report Requested: 14:57:37
 First Dose M/F: 09/16/02 / 09/17/02
 Lab: BAT

| | | |
|---|--|----------------------|
| DAY ON TEST | | 0 | | |
| | | 7 | 5 | 7 | 7 | 7 | 7 | 6 | 7 | 7 | 7 | 3 | 7 | 7 | 7 | 6 | 5 | 5 | 6 | 6 | 7 | 7 | 6 | 7 | 6 | 7 | |
| | | 3 | 5 | 3 | 0 | 3 | 3 | 5 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 5 | 6 | 6 | 7 | 3 | 1 | 3 | 1 | 3 | 9 | 3 | |
| | | 1 | 0 | 0 | 2 | 0 | 1 | 5 | 1 | 0 | 0 | 2 | 1 | 0 | 1 | 3 | 7 | 1 | 3 | 5 | 6 | 1 | 6 | 0 | 7 | 0 | |
| FISCHER 344 RATS FEMALE
ANIMAL ID
150 MG/KG | | |
| | | 0 | | |
| | | 0 | | |
| | | 3 | | |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | | |
| | | 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...) |

| |
|---------------------------------------|
| Mononuclear Cell |
| Myocardium, Necrosis | 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 |
| Myocardium, Vacuolization Cytoplasmic | 3 | 2 | 3 | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 2 | 3 | 2 | 2 | 2 | 3 | 2 | 2 | 2 | 2 | 2 | 2 | 1 | 3 | 2 | |

ENDOCRINE SYSTEM

| |
|----------------------------|
| Adrenal Cortex | + |
| Hyperplasia | 1 | | | | | 1 | 1 | | | | | 2 | | | | 1 | | | 1 | 2 | | | | | |
| Vacuolization Cytoplasmic | | 1 | 1 | | | 1 | | | | | | 2 | 2 | | | | | 2 | | 2 | | | | | |
| Adrenal Medulla | + |
| Hyperplasia |
| Necrosis | | | | | | | | | | | | | | | | 3 | | | | | | | | | |
| Islets, Pancreatic | + |
| Hyperplasia | | | | | | 1 | 1 | | | | | | | | | | | | | | | | | | |
| Parathyroid Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + |
| Pituitary Gland | + |
| Angiectasis | | | | 3 | 2 | | 3 | 2 | 2 | 2 | | 3 | | 3 | 2 | | 2 | 4 | | | | | 1 | | 2 |
| Cyst | | 1 | | | 2 | | 2 | | | | 2 | 1 | | 1 | | 2 | | | | 2 | | 2 | | 2 | |
| Pars Distalis, Hyperplasia | 2 | 1 | | | 3 | | | | | 3 | 3 | | | | 3 | 1 | 2 | | | 2 | | 2 | | | |
| Thyroid Gland | + |
| Atrophy |
| Cyst |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1 | | | |
| C-cell, Hyperplasia | 1 | | | | 1 | | 1 | | 1 | 2 | | 1 | 1 | | | 1 | 1 | | | 2 | 2 | 1 | 2 | 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

Page 98

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

Species/Strain: RATS/F 344

CAS Number: 111-91-1

Lab: BAT

**females
(cont...)**

2) Mild 4) Marked

TDMS No. 99028 - 05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: RATS/F 344

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

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First Dose M/F: 09/16/02 / 09/17/02
Lab: BAT

| | |
|---|---|
| DAY ON TEST | 0 |
| | 7 | 5 | 7 | 7 | 7 | 7 | 6 | 7 | 7 | 7 | 3 | 7 | 7 | 7 | 6 | 5 | 5 | 6 | 6 | 7 | 7 | 6 | 7 | 6 | 7 |
| | 3 | 5 | 3 | 0 | 3 | 3 | 5 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 5 | 6 | 6 | 7 | 3 | 1 | 3 | 1 | 3 | 9 | 3 |
| | 1 | 0 | 0 | 2 | 0 | 1 | 5 | 1 | 0 | 0 | 2 | 1 | 0 | 1 | 3 | 7 | 1 | 3 | 5 | 6 | 1 | 6 | 0 | 7 | 0 |
| | |
| FISCHER 344 RATS FEMALE
ANIMAL ID
150 MG/KG | 0 |
| | 0 |
| | 3 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2 |
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 |
| females (cont...) |
| Deep Cervical, Hyperplasia, Lymphoid |
| 2 | |
| Lymph Node, Mandibular |
| M | |
| Lymph Node, Mesenteric |
| + | |
| Spleen | |
| Hematopoietic Cell Proliferation |
| + | |
| 1 3 1 1 1 2 2 2 2 2 2 3 1 2 2 1 2 1 1 1 |
| Thymus | |
| Atrophy | |
| 4 2 3 3 4 4 4 3 4 4 1 3 4 3 4 3 4 4 1 4 3 4 3 4 |

INTEGUMENTARY SYSTEM

| |
|------------------------------|
| Mammary Gland
Hyperplasia | + |
| | 3 | |
| Skin | + |
| | X | |
| | | | | | | | | | | | | | 2 | | | | | | | | | | | | |
| | | | | | | | | | | | | | 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

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1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

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Page 100

TDMS No. 99028 - 05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: RATS/F 344

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

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Lab: BAT

| | |
|---|---|
| DAY ON TEST | 0 |
| | 7 | 5 | 7 | 7 | 7 | 7 | 6 | 7 | 7 | 7 | 3 | 7 | 7 | 7 | 6 | 5 | 5 | 6 | 6 | 7 | 7 | 6 | 7 | 6 | 7 |
| | 3 | 5 | 3 | 0 | 3 | 3 | 5 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 5 | 6 | 6 | 7 | 3 | 1 | 3 | 1 | 3 | 9 | 3 |
| | 1 | 0 | 0 | 2 | 0 | 1 | 5 | 1 | 0 | 0 | 2 | 1 | 0 | 1 | 3 | 7 | 1 | 3 | 5 | 6 | 1 | 6 | 0 | 7 | 0 |
| | |
| FISCHER 344 RATS FEMALE
ANIMAL ID
150 MG/KG | 0 |
| | 0 |
| | 3 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 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...)

Site Of Application - Epidermis, Ulcer
Subcutaneous Tissue, Necrosis

2

2

2

MUSCULOSKELETAL SYSTEM

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

NERVOUS SYSTEM

| |
|---------------------------|
| Brain | + |
| Hydrocephalus | | | | 3 | | | 3 | | | | | 4 | | 3 | | | 3 | | | | | | | |
| Hypothalamus, Compression | | | | 4 | | | 4 | | | | | 4 | | 4 | | | 4 | | | | | | | |

RESPIRATORY SYSTEM

| | |
|---|---|
| Lung | + |
| Congestion | | | | | | | | | | | | | | | | | 2 | | | | | | | |
| Inflammation | | 1 | | | | 1 | 1 | 1 | 1 | | | 1 | 1 | 1 | | | 1 | | | 1 | | 1 | | |
| Metaplasia, Osseous |
| Alveolar Epithelium, Hyperplasia | | 1 | | | | | | | 1 | | | | | | | | | | | | | | | |
| Alveolar Epithelium, Metaplasia, Squamous | | 1 | 1 | |
| Nose | + |
| Foreign Body |
| Inflammation | | | | | | | 1 | | | | | | | 1 | | | | | | 1 | 2 | | | 1 |
| Olfactory Epithelium, Accumulation, |

* .. 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. 99028 - 05
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Route: SKIN APPLICATION
Species/Strain: RATS/F 344

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bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

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Time Report Reqsted: 14:57:37
First Dose M/F: 09/16/02 / 09/17/02
Lab: BAT

| | |
|---|---|
| DAY ON TEST | 0 |
| | 7 | 5 | 7 | 7 | 7 | 7 | 6 | 7 | 7 | 7 | 3 | 7 | 7 | 7 | 6 | 5 | 5 | 6 | 6 | 7 | 7 | 6 | 7 | 6 | 7 |
| | 3 | 5 | 3 | 0 | 3 | 3 | 5 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 5 | 6 | 6 | 7 | 3 | 1 | 3 | 1 | 3 | 9 | 3 |
| | 1 | 0 | 0 | 2 | 0 | 1 | 5 | 1 | 0 | 0 | 2 | 1 | 0 | 1 | 3 | 7 | 1 | 3 | 5 | 6 | 1 | 6 | 0 | 7 | 0 |
| | |
| FISCHER 344 RATS FEMALE
ANIMAL ID
150 MG/KG | 0 |
| | 0 |
| | 3 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2 |
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 |

females
(cont...)

Hyaline Droplet
Olfactory Epithelium, Degeneration
Olfactory Epithelium, Metaplasia,
Respiratory
Respiratory Epithelium, Degeneration

1 1 1 1 1 1 1 1 1 1 1 1 1 2 1

Trachea

+ +

SPECIAL SENSES SYSTEM

Eye
Cataract
Retina, Atrophy
Sclera, Metaplasia, Osseous

+
3 3
3 3 2
1 1

Harderian Gland
Hyperplasia
Inflammation

+
1 1 1 1

URINARY SYSTEM

Kidney
Hydronephrosis
Nephropathy

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

Urinary Bladder
Transitional Epithelium, Hyperplasia

+ M +
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
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| | | |
|--------------------------------------|--|----------------------|
| DAY ON TEST | | 0 | | | |
| | | 7 | 5 | 7 | 7 | 7 | 7 | 6 | 7 | 7 | 7 | 3 | 7 | 7 | 7 | 6 | 5 | 5 | 6 | 6 | 7 | 7 | 6 | 7 | | 6 | 7 |
| | | 3 | 5 | 3 | 0 | 3 | 3 | 5 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 5 | 6 | 6 | 7 | 3 | 1 | 3 | 1 | 3 | | 9 | 3 |
| | | 1 | 0 | 0 | 2 | 0 | 1 | 5 | 1 | 0 | 0 | 2 | 1 | 0 | 1 | 3 | 7 | 1 | 3 | 5 | 6 | 1 | 6 | 0 | | 7 | 0 |
| FISCHER 344 RATS FEMALE
150 MG/KG | | females
(cont...) |
| | | 0 | |
| | | 0 | |
| | | 3 | |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | |
| ANIMAL ID | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | |

TDMS No. 99028 - 05
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: RATS/F 344

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 bis(2-Chloroethoxy)methane
 CAS Number: 111-91-1

Date Report Requested: 11/12/2007
 Time Report Requested: 14:57:37
 First Dose M/F: 09/16/02 / 09/17/02
 Lab: BAT

| | | DAY ON TEST | |
|--------------------------------------|--|-------------|----------|
| | | 0 | 0 | | |
| | | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 6 | 7 | 7 | 6 | 5 | 6 | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 5 | | |
| | | 3 | 3 | 3 | 3 | 3 | 3 | 2 | 6 | 3 | 0 | 1 | 1 | 3 | 3 | 6 | 3 | 2 | 3 | 3 | 3 | 1 | 3 | 3 | 2 | | |
| | | 1 | 1 | 0 | 0 | 1 | 1 | 3 | 8 | 1 | 2 | 6 | 3 | 7 | 0 | 0 | 1 | 3 | 1 | 0 | 0 | 1 | 1 | 0 | 1 | 6 | |
| FISCHER 344 RATS FEMALE
150 MG/KG | | | |
| | | 0 | 0 | | |
| | | 0 | 0 | | |
| | | 3 | 3 | | |
| | | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | | |
| | | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | * TOTALS |

ALIMENTARY SYSTEM

| | |
|----------------------------|--------|
| Esophagus | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Intestine Large, Cecum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Intestine Large, Colon | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Parasite Metazoan | 2 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 2 2.5 |
| Intestine Large, Rectum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Parasite Metazoan | | | | | 2 | | 1 | | | | | | | 2 | | | | | | | 3 | | | | | 6 1.7 |
| Intestine Small, Duodenum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Intestine Small, Ileum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Intestine Small, Jejunum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Liver | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Angiectasis | | | | | | | | | | | | | | | 1 | | | | | | | | | | | 1 1.0 |
| Basophilic Focus | X | X | X | X | X | | | X | X | | X | X | X | X | X | X | X | X | X | X | | X | X | X | X | 42 |
| Clear Cell Focus | | | X | | | | | X | | | | | | | X | | | | | X | | X | | | | 10 |
| Eosinophilic Focus | | | X | | | X | | X | | | | | | | | | | X | | | | | | | | 6 |
| Fatty Change | | | | | | | | 1 | | 2 | | | | | | | | | | | | | | | | 4 1.5 |
| Fibrosis | | | | | | | | | | | 1 | | | | 1 | 1 | | | | 1 | | 1 | 1 | | | 10 1.0 |
| Hepatodiaphragmatic Nodule | | | | | X | | | | | | | | | | X | | | | | X | X | | | | | 8 |
| Inflammation | 1 | 1 | 1 | 1 | 1 | | 1 | 1 | | | | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | 1 | 1 | 1 | 2 | 39 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

TDMS No. 99028 - 05
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: RATS/F 344

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

bis(2-Chloroethoxy)methane

CAS Number: 111-91-1

Date Report Requested: 11/12/2007
 Time Report Requested: 14:57:37
 First Dose M/F: 09/16/02 / 09/17/02
 Lab: BAT

| DAY ON TEST | | 0 | 0 | | |
|---|--|-------|----------|
| | | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 6 | 7 | 7 | 6 | 5 | 6 | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 5 | | |
| | | 3 | 3 | 3 | 3 | 3 | 3 | 2 | 6 | 3 | 0 | 1 | 1 | 3 | 3 | 6 | 3 | 2 | 3 | 3 | 3 | 1 | 3 | 3 | 2 | | |
| | | 1 | 1 | 0 | 0 | 1 | 1 | 3 | 8 | 1 | 2 | 6 | 3 | 7 | 0 | 0 | 1 | 3 | 1 | 0 | 0 | 1 | 1 | 0 | 1 | 6 | |
| FISCHER 344 RATS FEMALE
150 MG/KG
ANIMAL ID | | ----- | |
| | | 0 | 0 | | |
| | | 0 | 0 | | |
| | | 3 | 3 | | |
| | | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | | |
| | | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | * TOTALS |

| | |
|---------------------------------------|--------|
| Mononuclear Cell | |
| Myocardium, Necrosis | 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 | 50 1.0 |
| Myocardium, Vacuolization Cytoplasmic | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 1 | 2 | 2 | 2 | 2 | 1 | 2 | 2 | 2 | 2 | 3 | 1 | 1 | 2 | 2 | 1 | 50 2.0 |

ENDOCRINE SYSTEM

| | |
|----------------------------|--------|
| Adrenal Cortex | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Hyperplasia | 2 | | | | | 3 | | | 2 | 2 | | 1 | | 2 | 2 | 1 | | 2 | 2 | | | 2 | | | | 18 1.7 |
| Vacuolization Cytoplasmic | 2 | | | | | 3 | | | 2 | 2 | 1 | | | 2 | 1 | 1 | | 2 | 2 | 1 | | 1 | 2 | 3 | | 21 1.7 |
| Adrenal Medulla | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Hyperplasia | | | | 1 | | | | | 2 | | | | | | 2 | | | | | | | | | | | 3 1.7 |
| Necrosis |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1 3.0 |
| Islets, Pancreatic | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Hyperplasia | | | | | | | | | | | | | | | 1 | 1 | 1 | | | | | | | | | 5 1.0 |
| Parathyroid Gland | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 |
| Pituitary Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Angiectasis | | 2 | 2 | 2 | 2 | | 3 | 3 | 2 | 2 | | 2 | 3 | 2 | | 2 | | 2 | 3 | 2 | 2 | | 2 | 2 | 3 | 32 2.3 |
| Cyst | 1 | | 1 | 1 | | 1 | 2 | | | | | | | | | 1 | 2 | | | | | | | | | 17 1.5 |
| Pars Distalis, Hyperplasia | | | 3 | 1 | | 2 | | | | | | 2 | | | 1 | | | | 2 | 2 | | 2 | 3 | | | 19 2.1 |
| Thyroid Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Atrophy | | | | | | | 3 | | | | | | | | | | | | | | | | | | | 1 3.0 |
| Cyst |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1 1.0 |
| C-cell, Hyperplasia | 1 | | 1 | | 1 | 2 | 1 | 2 | 2 | | 1 | | 1 | 1 | | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 1 | 34 1.3 |

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

+ .. Tissue examined microscopically

x .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

Date Report Requested: 11/12/2007
Time Report Requested: 14:57:37
First Dose M/F: 09/16/02 / 09/17/02
Lab: BAT

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

Page 108

TDMS No. 99028 - 05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: RATS/F 344

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Reqsted: 11/12/2007
Time Report Reqsted: 14:57:37
First Dose M/F: 09/16/02 / 09/17/02
Lab: BAT

| DAY ON TEST | | 0 | 0 | |
|---|--|----------|
| | | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 6 | 7 | 7 | 6 | 5 | 6 | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 5 | |
| | | 3 | 3 | 3 | 3 | 3 | 3 | 2 | 6 | 3 | 0 | 1 | 1 | 3 | 3 | 6 | 3 | 2 | 3 | 3 | 3 | 1 | 3 | 3 | 3 | 2 |
| | | 1 | 1 | 0 | 0 | 1 | 1 | 3 | 8 | 1 | 2 | 6 | 3 | 7 | 0 | 0 | 1 | 3 | 1 | 0 | 0 | 1 | 1 | 0 | 1 | 6 |
| | | |
| FISCHER 344 RATS FEMALE
ANIMAL ID
150 MG/KG | | 0 | 0 | |
| | | 0 | 0 | |
| | | 3 | 3 | |
| | | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 5 |
| 150 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 |
| | | * TOTALS | |

| | |
|---|--------|
| Hyaline Droplet | |
| Olfactory Epithelium, Degeneration | | 1 | | 1 | | | | 1 | | | 1 | | 1 | 1 | | | | | 1 | | | | 2 | | | 18 1.1 |
| Olfactory Epithelium, Metaplasia, Respiratory | | | | | | | | | | | | | | 1 | | | | | | | | | | | | 1 1.0 |
| Respiratory Epithelium, Degeneration | | | | | | | | 1 | | | | | | | | | | | | | | | | | | 1 1.0 |
| | |
| Trachea | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |

SPECIAL SENSES SYSTEM

| | |
|-----------------------------|-------|
| Eye | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Cataract | | | | | | | | 3 | | | | | | | | | | | | | | | | | | 3 3.0 |
| Retina, Atrophy | | | | | | | | 3 | | | | | | | | | | | | | | | | | | 4 2.8 |
| Sclera, Metaplasia, Osseous | | | | | | | 1 | | | | | | | | | | | | 2 | | | 1 | | | | 6 1.3 |
| | |
| Harderian Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Hyperplasia |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1 1.0 |
| Inflammation | 1 | 1 | 1 | | | | | | 1 | | | | | | | | | | | | | | | | | 9 1.0 |

URINARY SYSTEM

| | |
|--------------------------------------|--------|
| Kidney | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Hydronephrosis |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1 3.0 |
| Nephropathy | 1 | 1 | | 1 | | 1 | | 2 | 1 | 1 | | | 1 | 1 | | 1 | 1 | 1 | 1 | | | 1 | 2 | 1 | | 34 1.1 |
| | |
| Urinary Bladder | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49 |
| Transitional Epithelium, Hyperplasia |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 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

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TDMS No. 99028 - 05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: RATS/F 344

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Reqsted: 11/12/2007
Time Report Reqsted: 14:57:37
First Dose M/F: 09/16/02 / 09/17/02
Lab: BAT

| | | |
|---|--|----------|
| DAY ON TEST | | 0 | 0 |
| | | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 6 | 7 | 7 | 6 | 5 | 6 | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 5 |
| | | 3 | 3 | 3 | 3 | 3 | 3 | 2 | 6 | 3 | 0 | 1 | 1 | 3 | 3 | 6 | 3 | 2 | 3 | 3 | 3 | 1 | 3 | 3 | 2 |
| | | 1 | 1 | 0 | 0 | 1 | 1 | 3 | 8 | 1 | 2 | 6 | 3 | 7 | 0 | 0 | 1 | 3 | 1 | 0 | 0 | 1 | 1 | 0 | 6 |
| FISCHER 344 RATS FEMALE
ANIMAL ID
150 MG/KG | | 0 | 0 |
| | | 0 | 0 |
| | | 3 | 3 |
| | | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 5 |
| | | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 0 |
| | | * TOTALS | |

TDMS No. 99028 - 05
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: RATS/F 344

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 bis(2-Chloroethoxy)methane
 CAS Number: 111-91-1

Date Report Requested: 11/12/2007
 Time Report Requested: 14:57:37
 First Dose M/F: 09/16/02 / 09/17/02
 Lab: BAT

| | | 0 | 0 | | |
|--------------------------------------|-----------|-------------------|--|
| DAY ON TEST | | 7 | 1 | 6 | 1 | 1 | 7 | 7 | 7 | 6 | 7 | 0 | 5 | 7 | 1 | 6 | 1 | 1 | 2 | 7 | 7 | 6 | 3 | 7 | 4 | 7 | |
| | | 3 | 1 | 2 | 2 | 1 | 1 | 3 | 3 | 7 | 3 | 6 | 5 | 3 | 8 | 6 | 2 | 0 | 6 | 3 | 3 | 3 | 2 | 3 | 6 | 3 | |
| | | 1 | 5 | 0 | 1 | 7 | 6 | 0 | 1 | 4 | 1 | 7 | 0 | 0 | 9 | 2 | 1 | 9 | 2 | 1 | 1 | 0 | 6 | 1 | 4 | 0 | |
| | | | |
| FISCHER 344 RATS FEMALE
300 MG/KG | ANIMAL ID | 0 | 0 | |
| | | 0 | 0 | |
| | | 3 | 3 | |
| | | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | |
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | |
| | | females (cont...) | |

ALIMENTARY SYSTEM

| | |
|--|---|
| Esophagus | + |
| Intestine Large, Cecum | + |
| Intestine Large, Colon
Parasite Metazoan | + |
| Intestine Large, Rectum
Parasite Metazoan | + | + | + | + | + | + | 1 | + | + | + | 2 | + | + | + | + | + | + | + | + | + | + | + | 1 | + | + |
| Intestine Small, Duodenum | + |
| Intestine Small, Ileum | + |
| Intestine Small, Jejunum | + |
| Liver | + |
| Angiectasis |
| Basophilic Focus | X | | X | | | | X | X | X | X | | X | X | | | | | X | X | X | | X | X | X | X |
| Clear Cell Focus | | | | | | | | | | | | | | X | | | | | | | | | | | X |
| Eosinophilic Focus |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | X | X |
| Fatty Change | | | | | | | 2 | | | | | | | | | | | | | 1 | | | | | |
| Fibrosis | | | | | | | 1 | | | | | | | | | | | | | | | | | | |
| Hepatodiaphragmatic Nodule | | | | | | | | | | | X | X | X | | | | | | | | | | | | |
| Inflammation | 1 | | 1 | | | | | 1 | 1 | 1 | 1 | | 1 | 1 | 1 | | | 1 | 1 | 1 | | 1 | 1 | 1 | 1 |

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

+ .. Tissue examined microscopically

x .. Lesion present

l .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

Page 112

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

TDMS No. 99028 - 05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: RATS/F 344

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 11/12/2007
Time Report Requested: 14:57:37
First Dose M/F: 09/16/02 / 09/17/02
Lab: BAT

| | | |
|-------------------------|-------------|----------------------|
| | DAY ON TEST | 0
7
3
1 | 0
1
1
5 | 0
6
2
0 | 0
1
2
1 | 0
1
1
7 | 0
7
1
6 | 0
7
3
0 | 0
7
3
1 | 0
6
7
4 | 0
7
3
1 | 0
5
3
0 | 0
7
6
7 | 0
1
8
9 | 0
6
6
2 | 0
1
1
9 | 0
2
0
2 | 0
7
3
1 | 0
7
3
1 | 0
6
3
0 | 0
3
2
6 | 0
7
3
1 | 0
4
6
4 | 0
7
3
4 | 0
0
3
7 | |
| FISCHER 344 RATS FEMALE | ANIMAL ID | 0
0
3
5
1 | 0
0
3
5
2 | 0
0
3
5
3 | 0
0
3
5
4 | 0
0
3
5
5 | 0
0
3
5
6 | 0
0
3
5
7 | 0
0
3
5
8 | 0
0
3
6
0 | 0
0
3
6
1 | 0
0
3
6
2 | 0
0
3
6
3 | 0
0
3
6
4 | 0
0
3
6
5 | 0
0
3
6
6 | 0
0
3
6
7 | 0
0
3
6
8 | 0
0
3
6
9 | 0
0
3
7
0 | 0
0
3
7
1 | 0
0
3
7
2 | 0
0
3
7
3 | 0
0
3
7
4 | 0
0
3
7
5 | females
(cont...) |
| 300 MG/KG | | |
| Mixed Cell Focus | | | | | | | | | X | | | | | | | | | | | | | | | | | |
| Necrosis | | | | 1 | |
| Bile Duct, Hyperplasia | | | 1 | | | 2 | | | 1 | | | | | 2 | | | 1 | | | | | | | | | |
| Centrilobular, Necrosis | | | | | | | | | | | | | | 2 | | | | 1 | | | | | | | | |
| Mesentery | | |
| Fat, Necrosis | | |
| Pancreas | | + |
| Inflammation |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1 |
| Acinus, Atrophy | | | | | | | | 1 | | | | | | | | | 1 | | | | | | | | | 2 |
| Duct, Cyst | | 1 | |
| Salivary Glands | | + |
| Stomach, Forestomach | | + |
| Inflammation | | |
| Ulcer | | |
| Stomach, Glandular | | + |
| Fibrosis | | |
| Inflammation | | | | | | | | | | | | | | | | | | | | 3 | | | | | | |
| Mineralization | | | | | | | | | | | | | | | | | | | | 2 | | | | | | |
| Ulcer | | | | | | | | | | | | | | | | | | | | 3 | | | | | | |
| Tongue | | | | | | | | | + | | | | | | | | | | | | | | | | | |

CARDIOVASCULAR SYSTEM

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

+ .. Tissue examined microscopically

x .. Lesion present

l .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

Page 113

TDMS No. 99028 - 05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: RATS/F 344

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Reqsted: 11/12/2007
Time Report Reqsted: 14:57:37
First Dose M/F: 09/16/02 / 09/17/02
Lab: BAT

| | | | | |
|---|--|----------------------|----------------------|---|
| DAY ON TEST | | 0 | females
(cont...) | | |
| | | 7 | 1 | 6 | 1 | 1 | 7 | 7 | 7 | 6 | 7 | 0 | 5 | 7 | 1 | 6 | 1 | 1 | 2 | 7 | 7 | 6 | 3 | 7 | | 4 | 7 |
| | | 3 | 1 | 2 | 2 | 1 | 1 | 3 | 3 | 7 | 3 | 6 | 5 | 3 | 8 | 6 | 2 | 0 | 6 | 3 | 3 | 3 | 2 | 3 | | 6 | 3 |
| | | 1 | 5 | 0 | 1 | 7 | 6 | 0 | 1 | 4 | 1 | 7 | 0 | 0 | 9 | 2 | 1 | 9 | 2 | 1 | 1 | 0 | 6 | 1 | | 4 | 0 |
| | | | | |
| FISCHER 344 RATS FEMALE
300 MG/KG
ANIMAL ID | | 0 | females
(cont...) | |
| | | 0 | | 0 |
| | | 3 | | 3 |
| | | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | | 7 |
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | | 5 |

| | |
|---|---|
| Blood Vessel | + |
| Heart | + |
| Cardiomyopathy | 1 | 1 | 2 | 2 | 3 | 2 | 2 | 2 | 2 | 2 | 1 | 2 | 1 | 1 | 2 | 1 | 1 | 2 | | 1 | | | 2 | 1 | 2 |
| Fibrosis | 2 | 1 | 2 | 2 | 3 | 2 | 2 | 3 | 3 | 2 | 2 | 2 | 2 | 2 | 2 | 3 | 1 | 3 | 3 | 1 | 2 | 3 | 2 | 3 | |
| Myocardium, Infiltration Cellular, Mononuclear Cell | 2 | 1 | 2 | 2 | 3 | 2 | 2 | 3 | 3 | 2 | 2 | 2 | 2 | 2 | 2 | 3 | 1 | 3 | 3 | 1 | 2 | 3 | 2 | 3 | |
| Myocardium, Necrosis | 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 |
| Myocardium, Vacuolization Cytoplasmic | 2 | 1 | 2 | 2 | 3 | 2 | 2 | 3 | 3 | 2 | 2 | 2 | 2 | 2 | 2 | 3 | 1 | 3 | 3 | 1 | 2 | 3 | 2 | 3 | |

ENDOCRINE SYSTEM

| |
|---------------------------|
| Adrenal Cortex | + |
| Angiectasis |
| Hemorrhage | | | | | | | | | | | | | | | | 3 | | | | | 2 | | | | |
| Hyperplasia | | | | | | | | 3 | | | | | 1 | | | | 1 | | 2 | 1 | | 2 | | 2 | |
| Necrosis | | | | 3 | 3 | | | | | | | | | | | 3 | 2 | | | | | | | | |
| Vacuolization Cytoplasmic | | | | | | | | 1 | 2 | | | | 2 | | 1 | | | | 1 | 1 | | | 2 | | 1 |
| Adrenal Medulla | + |
| Hyperplasia |
| Islets, Pancreatic | + |
| Hyperplasia | 1 | | | | | | | 1 | | | | | | | | | | 1 | 1 | | | | | | |
| Parathyroid Gland | + |

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

+ .. Tissue examined microscopically

x .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

Page 114

TDMS No. 99028 - 05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: RATS/F 344

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
bis(2-Chloroethoxy)methane
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Date Report Reqsted: 11/12/2007
Time Report Reqsted: 14:57:37
First Dose M/F: 09/16/02 / 09/17/02
Lab: BAT

| FISCHER 344 RATS FEMALE
300 MG/KG | | DAY ON TEST | | females
(cont...) |
|--------------------------------------|--|-------------|----------------------|
| | | 0 | 0 | | |
| | | 7 | 1 | 6 | 1 | 1 | 7 | 7 | 6 | 7 | 0 | 5 | 7 | 1 | 6 | 1 | 1 | 2 | 7 | 7 | 6 | 3 | 7 | 4 | 7 | | |
| | | 3 | 1 | 2 | 2 | 1 | 1 | 3 | 3 | 7 | 3 | 6 | 5 | 3 | 8 | 6 | 2 | 0 | 6 | 3 | 3 | 3 | 2 | 3 | 6 | 3 | |
| | | 1 | 5 | 0 | 1 | 7 | 6 | 0 | 1 | 4 | 1 | 7 | 0 | 0 | 9 | 2 | 1 | 9 | 2 | 1 | 1 | 0 | 6 | 1 | 4 | 0 | |
| | | | |
| | | 0 | 0 | |
| ANIMAL ID | | 0 | 0 | |
| | | 3 | 3 | |
| | | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | |
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | |
| Pituitary Gland | | + | + | |
| Angiectasis | | | | 2 | | | 2 | | 2 | 2 | 2 | | | 2 | | 2 | | | | 3 | 2 | 2 | 2 | 2 | 3 | 2 | |
| Cyst | | 2 | | | | | | 2 | 1 | | | | 1 | | 1 | | | | | 1 | 2 | 2 | 1 | 1 | | | |
| Hemorrhage | | | |
| Pars Distalis, Hyperplasia | | 1 | | 2 | | | | 2 | 3 | | 2 | | 3 | 3 | | | | | | 3 | 1 | | | | | 2 | |
| | | | |
| Thyroid Gland | | + | + | |
| C-cell, Hyperplasia | | 1 | | 1 | | | | | 1 | | 1 | | | | | | | | | 1 | 1 | | | 1 | | 1 | |

GENERAL BODY SYSTEM
NONE

GENITAL SYSTEM

| |
|----------------------------------|
| Clitoral Gland | + |
| Hyperplasia | | | 1 | | | | | | | | | 1 | | | | | | | | | | | | | 1 |
| Inflammation | 2 | | | | | 1 | 1 | 3 | | 1 | | 1 | | | 2 | | | 2 | 2 | 1 | | | 1 | | |
| Ovary | + |
| Cyst | | | | | | | | | | | | | | | | | 2 | | | | | | | | |
| Uterus | + |
| Endometrium, Hyperplasia, Cystic | | | | | | | 1 | | | | | | | | | | | | | | | | | | |
| Vagina | | | | | | | | | | | | | | | + | | | | | | | | | | |

* .. 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 115

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

TDMS No. 99028 - 05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: RATS/F 344

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Reqsted: 11/12/2007
Time Report Reqsted: 14:57:37
First Dose M/F: 09/16/02 / 09/17/02
Lab: BAT

| | | | |
|---|--|----------------------|---|
| DAY ON TEST | | 0 | | | |
| | | 7 | 1 | 6 | 1 | 1 | 7 | 7 | 7 | 6 | 7 | 0 | 5 | 7 | 1 | 6 | 1 | 1 | 2 | 7 | 7 | 6 | 3 | 7 | | 4 | 7 |
| | | 3 | 1 | 2 | 2 | 1 | 1 | 3 | 3 | 7 | 3 | 6 | 5 | 3 | 8 | 6 | 2 | 0 | 6 | 3 | 3 | 3 | 2 | 3 | | 6 | 3 |
| | | 1 | 5 | 0 | 1 | 7 | 6 | 0 | 1 | 4 | 1 | 7 | 0 | 0 | 9 | 2 | 1 | 9 | 2 | 1 | 1 | 0 | 6 | 1 | | 4 | 0 |
| | | | |
| FISCHER 344 RATS FEMALE
ANIMAL ID
300 MG/KG | | 0 | females
(cont...) | |
| | | 0 | | 0 |
| | | 3 | | 3 |
| | | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | | 7 |
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | | 5 |

HEMATOPOIETIC SYSTEM

| |
|----------------------------------|
| Bone Marrow
Hyperplasia | + | + | + | + | + | + | + | + | 2 | + | + | + | 4 | + | + | + | + | + | + | + | + | + | + | + | + |
| Lymph Node | + | |
| Lymph Node, Mandibular | 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 |
| Lymph Node, Mesenteric | + |
| Spleen
Atrophy | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 2 | + | + | + | + | + | + | + |
| Fibrosis | 3 | | | | | | | | | | | | | | | | 2 | | | | | | | | |
| Hematopoietic Cell Proliferation | 3 | 2 | | | | 2 | 1 | 1 | 3 | 2 | 4 | | 2 | 3 | 2 | | | 3 | | 1 | | 2 | 1 | | |
| Infarct | 3 | |
| Thymus
Atrophy | + |
| Hemorrhage | 3 | 4 | | | | 4 | 4 | 4 | 4 | 4 | 2 | | 3 | 2 | 4 | | | 1 | 3 | 2 | 4 | 1 | 3 | 4 | 3 |

INTEGUMENTARY SYSTEM

| |
|---------------|
| Mammary Gland | + |
| Hyperplasia |

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

+ .. Tissue examined microscopically

x .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

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Date Report Requested: 11/12/2007
Time Report Requested: 14:57:37
First Dose M/F: 09/16/02 / 09/17/02
Lab: BAT

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

Page 117

TDMS No. 99028 - 05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: RATS/F 344

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Reqsted: 11/12/2007
Time Report Reqsted: 14:57:37
First Dose M/F: 09/16/02 / 09/17/02
Lab: BAT

| | | |
|---|--|----------------------|
| DAY ON TEST | | 0 |
| | | 7 | 1 | 6 | 1 | 1 | 7 | 7 | 7 | 6 | 7 | 0 | 5 | 7 | 1 | 6 | 1 | 1 | 2 | 7 | 7 | 6 | 3 | 7 | 4 | 7 | |
| | | 3 | 1 | 2 | 2 | 1 | 1 | 3 | 3 | 7 | 3 | 6 | 5 | 3 | 8 | 6 | 2 | 0 | 6 | 3 | 3 | 3 | 2 | 3 | 6 | 3 | |
| | | 1 | 5 | 0 | 1 | 7 | 6 | 0 | 1 | 4 | 1 | 7 | 0 | 0 | 9 | 2 | 1 | 9 | 2 | 1 | 1 | 0 | 6 | 1 | 4 | 0 | |
| FISCHER 344 RATS FEMALE
ANIMAL ID | | 0 | females
(cont...) |
| | | 0 | |
| | | 3 | |
| | | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 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 | |
| Inflammation
Alveolar Epithelium, Hyperplasia | | | | 1 | | | | 1 | 1 | | 1 | | 1 | | | | | | 1 | 1 | | | 1 | | 1 | | |
| | | | | 2 | | | | | | | | | | | | | | | | | | | 1 | | | | |
| | | |
| | | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | 1 | | + | + | + | + | |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1 | |
| Nose
Inflammation
Glands, Cyst
Olfactory Epithelium, Degeneration
Olfactory Epithelium, Metaplasia,
Respiratory
Olfactory Epithelium, Metaplasia,
Squamous | | 3 | 2 | 1 | 4 | 2 | | 2 | 4 | 4 | 1 | 2 | 1 | 3 | 2 | 2 | 2 | 1 | 2 | 3 | 3 | 3 | 3 | 1 | 1 | 3 | |
| | | |
| | | |
| | | |
| | | |
| Trachea | | + | |
| | | |
| | | |
| | | |
| | | |
| SPECIAL SENSES SYSTEM | | |
| | | |
| | | |
| | | |
| | | |
| Eye
Cataract
Retina, Atrophy
Sclera, Metaplasia, Osseous | | + | |
| | | | | 2 | | | | | | | | | | | | | | | | | | | 3 | | | | |
| | | | | 3 | | | | | | | | | | | | | | | | | | | 3 | | | | |
| | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | |
| | | |
| Harderian Gland
Inflammation | | + | |
| | | | | | | 1 | 1 | 1 | 1 | | | | | | | | | 2 | | | | | 1 | | | 2 | |
| | | |
| | | |
| | | |
| Zymbal's Gland | | |
| | | |
| | | |
| | | |
| | | |

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

+ .. Tissue examined microscopically

x .. Lesion present

l .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

Page 118

Date Report Requested: 11/12/2007
Time Report Requested: 14:57:37
First Dose M/F: 09/16/02 / 09/17/02
Lab: BAT

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

Page 119

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

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TDMS No. 99028 - 05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: RATS/F 344

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 11/12/2007
Time Report Requested: 14:57:37
First Dose M/F: 09/16/02 / 09/17/02
Lab: BAT

| FISCHER 344 RATS FEMALE
300 MG/KG | | DAY ON TEST | | * TOTALS | |
|--------------------------------------|--|-------------|----|----------|--|
| | | 0 | 0 | | |
| | | 2 | 7 | 0 | 6 | 5 | 7 | 7 | 7 | 1 | 3 | 7 | 2 | 6 | 0 | 6 | 5 | 7 | 7 | 6 | 7 | 3 | 2 | 7 | 5 | 7 | | |
| | | 3 | 3 | 6 | 8 | 9 | 3 | 3 | 3 | 1 | 2 | 7 | 3 | 1 | 3 | 7 | 3 | 4 | 0 | 3 | 7 | 3 | 1 | 3 | 3 | 3 | | |
| ANIMAL ID | | 0 | 0 | | |
| | | 0 | 0 | | |
| | | 3 | 3 | 4 | | |
| | | 7 | 7 | 7 | 7 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 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 | | | | | |
| Pituitary Gland |  | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | | |
| Angiectasis | | | 3 | | 2 | 3 | | 2 | 2 | 2 | | | | | 4 | | 4 | | 3 | 3 | | 2 | | 3 | | 26 | 2.4 | |
| Cyst | | 1 | | | | | 2 | | | 1 | | | 2 | | | | | | | | 1 | | 2 | 2 | 1 | 18 | 1.4 | |
| Hemorrhage | | 1 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1 | 1.0 | |
| Pars Distalis, Hyperplasia | | | | | | | 3 | 3 | | 2 | | | | | | | | | | 2 | 3 | | 3 | 2 | 2 | 18 | 2.3 | |
| | | | | | |
| Thyroid Gland |  | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | | |
| C-cell, Hyperplasia | | | 1 | | | 1 | 1 | 1 | 2 | 1 | | | 1 | | | | 2 | | | | 2 | 2 | | | 1 | 19 | 1.2 | |

GENERAL BODY SYSTEM
NONE

GENITAL SYSTEM

| | |
|----------------------------------|--------|
| Clitoral Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Hyperplasia |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 3 1.0 |
| Inflammation | | 2 | | | | 1 | 1 | 1 | | | | 2 | | 1 | | | | 2 | 1 | 1 | 1 | | | 1 | 1 | | 23 1.4 |
| Ovary | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Cyst | | | | | | | 2 | | | 2 | | | | 2 | | 2 | | | | | | | | | | | 5 2.0 |
| Uterus | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Endometrium, Hyperplasia, Cystic | | 2 | | | | | | | | 1 | | 3 | | | | | | | 3 | | | | | | | | 5 2.0 |
| Vagina |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 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 123

TDMS No. 99028 - 05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: RATS/F 344

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 11/12/2007
Time Report Requested: 14:57:37
First Dose M/F: 09/16/02 / 09/17/02
Lab: BAT

| | | |
|---|--|---|
| DAY ON TEST | | 0 | |
| | | 2 | 7 | 0 | 6 | 5 | 7 | 7 | 7 | 7 | 1 | 3 | 7 | 2 | 6 | 0 | 6 | 5 | 7 | 7 | 6 | 7 | 2 | 7 | 5 | 7 |
| | | 3 | 3 | 6 | 8 | 9 | 3 | 3 | 3 | 1 | 2 | 7 | 3 | 1 | 3 | 7 | 3 | 4 | 0 | 3 | 7 | 3 | 1 | 3 | 3 | 3 |
| | | 2 | 0 | 6 | 7 | 7 | 0 | 0 | 1 | 4 | 1 | 8 | 1 | 9 | 2 | 1 | 3 | 9 | 7 | 1 | 4 | 0 | 3 | 0 | 5 | 1 |
| | | |
| FISCHER 344 RATS FEMALE
ANIMAL ID
300 MG/KG | | 0 | |
| | | 0 | |
| | | 3 | 4 |
| | | 7 | 7 | 7 | 7 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 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 | | |

HEMATOPOIETIC SYSTEM

| | | | |
|--|----|-----|-----|
| Bone Marrow
Hyperplasia | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 2 | + | + | + | + | + | + | 49 | 3 | 2.7 |
| Lymph Node | 1 | | | |
| Lymph Node, Mandibular | M | M | M | M | M | M | M | M | M | M | M | M | M | M | M | M | M | M | M | M | M | M | M | M | M | M | 0 | | |
| Lymph Node, Mesenteric | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | | |
| Spleen
Atrophy
Fibrosis
Hematopoietic Cell Proliferation
Infarct | + | 50 | 2 | 2.5 |
| | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | 1 | 1.0 | |
| | | | 1 | | 1 | | 1 | 2 | 1 | | | | 1 | | | | 1 | | 1 | 2 | 1 | | | | | 2 | 26 | 1.8 | |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1 | 3.0 | |
| Thymus
Atrophy
Hemorrhage | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | 49 | 35 | 3.3 |
| | | 4 | | 4 | 4 | 3 | 3 | 4 | 4 | | | 3 | | 4 | | 4 | | 4 | | 2 | | 2 | | 3 | 4 | 3 | | 1 | 3.0 |

INTEGUMENTARY SYSTEM

| | |
|---------------|-------|
| Mammary Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Hyperplasia | | | | | 3 | | | | | | | | 4 | | | | | | | | | | | | | 2 3.5 |

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

+ .. Tissue examined microscopically

x .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

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TDMS No. 99028 - 05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: RATS/F 344

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Reqsted: 11/12/2007
Time Report Reqsted: 14:57:37
First Dose M/F: 09/16/02 / 09/17/02
Lab: BAT

| | | | | |
|--|--|---------------|----|-----|
| DAY ON TEST | | 0 | 0 | |
| | | 2 | 7 | 0 | 6 | 5 | 7 | 7 | 7 | 7 | 1 | 3 | 7 | 2 | 6 | 0 | 6 | 5 | 7 | 7 | 6 | 7 | 2 | 7 | 5 | 7 | |
| | | 3 | 3 | 6 | 8 | 9 | 3 | 3 | 3 | 1 | 2 | 7 | 3 | 1 | 3 | 7 | 3 | 4 | 0 | 3 | 7 | 3 | 1 | 3 | 3 | 3 | |
| | | 2 | 0 | 6 | 7 | 7 | 0 | 0 | 1 | 4 | 1 | 8 | 1 | 9 | 2 | 1 | 3 | 9 | 7 | 1 | 4 | 0 | 3 | 0 | 5 | 1 | |
| FISCHER 344 RATS FEMALE
300 MG/KG | | | | |
| | | 0 | 0 | | |
| | | 0 | 0 | | |
| | | 3 | 3 | 4 | | |
| | | 7 | 7 | 7 | 7 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 0 | | |
| ANIMAL ID | | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | |
| | | * TOTALS | | |
| | | | | |
| | | | | |
| | | | | |
| Skin |  | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49 | |
| Site Of Application - Dermis, Fibrosis | | | | | | | | | | | | | | | | | | 1 | | | | | | | | 1 | 1.0 |
| Site Of Application - Dermis, Inflammation | | | | | | | | | | | | | | | | | | 2 | | | | | | | | 2 | 1.5 |
| Site Of Application - Epidermis, Hyperplasia | | | | | | | | | | | | | | | | | | 2 | | | | | | | | 1 | 2.0 |
| Site Of Application - Epidermis, Ulcer | | | | | | | | | | | | | | | | | | 2 | | | | | | | | 1 | 2.0 |
| MUSCULOSKELETAL SYSTEM | | | | |
| Bone |  | ..... |  |  |
|  |  | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |
| Joint, Inflammation | | | 3 | 1.3 |
| NERVOUS SYSTEM | | | | |
| Brain |  | ..... |  |  |
|  |  | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |
| | | Hydrocephalus | | | | | 2 | | | | | | | | | | | 3 | | 2 | | | | | | | 5 | 2.4 |
| Hypothalamus, Compression | | | | | | 2 | | | | | | | | | | | 3 | | 4 | | | | | | | 5 | 2.6 |
| Peripheral Nerve |  | ..... |  |  |
| | | | | | | | | | | | | | | | | | | | | + | | | | | | | 1 |
| Spinal Cord |  | ..... |  |  |
| | | | | | | | | | | | | | | | | | | | | | + | | | | | | 1 |
| RESPIRATORY SYSTEM | | | | |
| Lung |  | ..... |  |  |
|  |  | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |
| Congestion | | | 3 | | | 1 | 3.0 |

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

+ .. Tissue examined microscopically

x .. Lesion present

l .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

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Species/Strain: RATS/F 344

CAS Number: 111-91-1

Lab: BAT

Date Report Requested: 11/12/2007
Time Report Requested: 14:57:37
First Dose M/F: 09/16/02 / 09/17/02
Lab: BAT

*** END OF REPORT ***

2) Mild 4) Marked