

TDMS No. 05174 - 05
 Test Type: CHRONIC
 Route: DOSED FEED
 Species/Strain: RATS/F 344

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 CRESOLS
 CAS Number: 1319-77-3
 Pathologist: BOYCE, J. - JOKINEN, M. - RYAN, M.

Date Report Requested: 04/10/2006
 Time Report Requested: 08:44:01
 First Dose M/F: 08/05/02 / NA
 Lab: BAT

DAY ON TEST	ANIMAL ID																								* TOTALS	
	6	0	7	0	7	5	6	7	7	7	7	5	7	7	7	7	5	7	7	7	7	6	5	7		
	3	6	3	1	3	8	9	0	2	3	3	6	3	2	3	3	3	3	3	2	2	3	3	9	3	
	1	0	0	9	1	6	0	2	9	1	1	9	0	9	1	0	4	0	0	9	9	0	0	9	1	
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	
5000 PPM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
	2	2	2	2	3	3	3	3	3	3	3	3	3	3	3	4	4	4	4	4	4	4	4	4	5	
	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	

Nose	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Inflammation					1	1	1	2		2					1			1	1	2		2	1			19	1.3
Goblet Cell, Hyperplasia			1	1	1	1		2	1	2	1	1	1	2	1		1	1	1	1	1	1	1		1	42	1.2
Respiratory Epithelium, Hyperplasia	1	1	1	1			1		1	1	1		2	1			1		1			1	1	1	1	31	1.0
Respiratory Epithelium, Metaplasia, Squamous			1		1							1														8	1.0
Vein, Thrombosis																										2	3.0

Trachea	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Inflammation															1											1	1.0

SPECIAL SENSES SYSTEM

Eye	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Sclera, Metaplasia, Osseous	2						2	1	1		1		2		1		1	1		2		1	2	2		28	1.4
Harderian Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Atrophy															1	1										2	1.0
Inflammation						1																1				5	1.0

URINARY SYSTEM

Kidney	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Hydronephrosis		4																								1	4.0
Infarct																										1	3.0
Necrosis																										1	3.0
Nephropathy	1		2		2	1	2	2	2	2	3	1	2	1	1	2	1	2	1	2	1	2	1	2	2	46	1.7
Renal Tubule, Inflammation																										1	1.0

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

Page 48

TDMS No. 05174 - 05
 Test Type: CHRONIC
 Route: DOSED FEED
 Species/Strain: RATS/F 344

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 CRESOLS
 CAS Number: 1319-77-3
 Pathologist: BOYCE, J. - JOKINEN, M. - RYAN, M.

Date Report Reqsted: 04/10/2006
 Time Report Reqsted: 08:44:01
 First Dose M/F: 08/05/02 / NA
 Lab: BAT

DAY ON TEST		6	0	7	0	7	5	6	7	7	7	7	5	7	7	7	7	5	7	7	7	7	6	5	7	
		3	6	3	1	3	8	9	0	2	3	3	6	3	2	3	3	3	3	3	2	2	3	3	9	3
		1	0	0	9	1	6	0	2	9	1	1	9	0	9	1	0	4	0	0	9	9	0	0	9	1
FISCHER 344 RATS MALE ANIMAL ID	5000 PPM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
		2	2	2	2	3	3	3	3	3	3	3	3	3	3	3	4	4	4	4	4	4	4	4	4	5
		6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0
		* TOTALS																								
Transitional Epithelium, Hyperplasia																										2 2.0
Ureter Cyst																										1 4.0
Urinary Bladder Inflammation																										50 1 2.0

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically
 x .. Lesion present
 I .. Insufficient tissue
 M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically
 1-4 .. Lesion qualified as:
 1) Minimal 3) Moderate
 2) Mild 4) Marked
 Page 49

TDMS No. 05174 - 05
 Test Type: CHRONIC
 Route: DOSED FEED
 Species/Strain: RATS/F 344

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 CRESOLS
 CAS Number: 1319-77-3
 Pathologist: BOYCE, J. - JOKINEN, M. - RYAN, M.

Date Report Requested: 04/10/2006
 Time Report Requested: 08:44:01
 First Dose M/F: 08/05/02 / NA
 Lab: BAT

DAY ON TEST	7	6	7	6	7	7	7	7	7	7	7	7	7	7	7	6	7	7	5	7	7	5	7	7	
	3	8	3	1	2	3	2	3	3	2	2	3	3	2	2	3	8	3	2	9	3	2	8	3	2
	0	3	0	3	9	0	9	1	0	9	9	1	1	9	9	1	8	0	9	0	1	9	9	0	4
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
15000 PPM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ANIMAL ID	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
	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	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Large, Colon Parasite Metazoan	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Large, Rectum Parasite Metazoan	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Liver	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Angiectasis	1		1			1		2							1	1						2		
Basophilic Focus								X		X								X			X			
Clear Cell Focus	X		X			X		X	X	X		X	X	X	X			X	X	X			X	
Degeneration, Cystic	1						1							1										1
Eosinophilic Focus	X	X	X			X		X	X	X	X		X	X					X	X			X	X
Fatty Change		1			2	1					1						1							
Fibrosis	1	1		1	1			1	1	1	1		1	1		1	1		1	1		1	1	1
Hepatodiaphragmatic Nodule									X							X								
Inflammation	1	2	1			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
 1-4 .. Lesion qualified as:
 1) Minimal 3) Moderate
 2) Mild 4) Marked

TDMS No. 05174 - 05
 Test Type: CHRONIC
 Route: DOSED FEED
 Species/Strain: RATS/F 344

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 CRESOLS
 CAS Number: 1319-77-3
 Pathologist: BOYCE, J. - JOKINEN, M. - RYAN, M.

Date Report Requested: 04/10/2006
 Time Report Requested: 08:44:01
 First Dose M/F: 08/05/02 / NA
 Lab: BAT

DAY ON TEST	7	6	7	6	7	7	7	7	7	7	7	7	7	7	7	6	7	7	5	7	7	5	7	7	
	3	8	3	1	2	3	2	3	3	2	2	3	3	2	2	3	8	3	2	9	3	2	8	3	2
	0	3	0	3	9	0	9	1	0	9	9	1	1	9	9	1	8	0	9	0	1	9	9	0	4
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
15000 PPM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ANIMAL ID	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
	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...)

Mixed Cell Focus																									
Necrosis				X																					
Bile Duct, Hyperplasia	2	1	1	2	1	1	2	2	1	2	2	3	2	1	1	2	3	2	2		1	2	2	2	2
Centrilobular, Degeneration				3													3								
Centrilobular, Necrosis																									
Mesentery																									
Fat, Necrosis																									
Oral Mucosa																									
Inflammation																									+
Pancreas	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Acinus, Atrophy		1	2		2												1	1							2
Acinus, Hyperplasia																									
Duct, Cyst					1								2										2		
Salivary Glands	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Inflammation																									
Epithelium, Hyperplasia																									
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Inflammation					2																				

CARDIOVASCULAR 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 51

TDMS No. 05174 - 05
 Test Type: CHRONIC
 Route: DOSED FEED
 Species/Strain: RATS/F 344

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 CRESOLS
 CAS Number: 1319-77-3
 Pathologist: BOYCE, J. - JOKINEN, M. - RYAN, M.

Date Report Requested: 04/10/2006
 Time Report Requested: 08:44:01
 First Dose M/F: 08/05/02 / NA
 Lab: BAT

DAY ON TEST		7	6	7	6	7	7	7	7	7	7	7	7	7	7	7	6	7	7	5	7	7	5	7	7	
		3	8	3	1	2	3	2	3	3	2	2	3	3	2	2	3	8	3	2	9	3	2	8	3	2
		0	3	0	3	9	0	9	1	0	9	9	1	1	9	9	1	8	0	9	0	1	9	9	0	4
FISCHER 344 RATS MALE 15000 PPM	ANIMAL ID	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
		5	5	5	5	5	5	5	5	5	6	6	6	6	6	6	6	6	6	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...)

Blood Vessel	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Heart	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Cardiomyopathy	2	2	2	1	1	2	2	2	1	2		1	2	2	2	2		1	1	2	2	2		2	2

ENDOCRINE SYSTEM

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

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

TDMS No. 05174 - 05
 Test Type: CHRONIC
 Route: DOSED FEED
 Species/Strain: RATS/F 344

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 CRESOLS
 CAS Number: 1319-77-3
 Pathologist: BOYCE, J. - JOKINEN, M. - RYAN, M.

Date Report Reqsted: 04/10/2006
 Time Report Reqsted: 08:44:01
 First Dose M/F: 08/05/02 / NA
 Lab: BAT

	7	6	7	6	7	7	7	7	7	7	7	7	7	7	7	6	7	7	5	7	7	5	7	7	
DAY ON TEST	3	8	3	1	2	3	2	3	3	2	2	3	3	2	2	3	8	3	2	9	3	2	8	3	2
	0	3	0	3	9	0	9	1	0	9	9	1	1	9	9	1	8	0	9	0	1	9	9	0	4
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
15000 PPM	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	5	5	5	5	5	5	5	5	5	6	6	6	6	6	6	6	6	6	7	7	7	7	7	7	7
	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5

males
(cont...)

Follicular Cell, Hyperplasia 2 1 2 2

GENERAL BODY SYSTEM

Tissue NOS +

GENITAL SYSTEM

Epididymis Inflammation +

Preputial Gland Inflammation 1 2 2 1 1 2 2 1 2 1 1 1 2 1 1 1 2 2 1 1 1 2 2 M

Prostate Hyperplasia Inflammation 1 2 2 1 2 1 1 1 1 1 1 2 2 1 1 1 1 1 1 1 1 1 1

Seminal Vesicle Hyperplasia Inflammation + 2

Testes Interstitial Cell, Hyperplasia + 2

HEMATOPOIETIC SYSTEM

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

TDMS No. 05174 - 05
 Test Type: CHRONIC
 Route: DOSED FEED
 Species/Strain: RATS/F 344

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 CRESOLS
 CAS Number: 1319-77-3
 Pathologist: BOYCE, J. - JOKINEN, M. - RYAN, M.

Date Report Reqsted: 04/10/2006
 Time Report Reqsted: 08:44:01
 First Dose M/F: 08/05/02 / NA
 Lab: BAT

DAY ON TEST		7	6	7	6	7	7	7	7	7	7	7	7	7	7	6	7	7	5	7	7	5	7	7	
		3	8	3	1	2	3	2	3	3	2	2	3	3	2	2	3	8	3	2	9	3	2	8	3
		0	3	0	3	9	0	9	1	0	9	9	1	1	9	9	1	8	0	9	0	1	9	9	0
FISCHER 344 RATS MALE 15000 PPM	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
		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
		5	5	5	5	5	5	5	5	5	6	6	6	6	6	6	6	6	6	6	7	7	7	7	7
	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5

males
(cont...)

Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Fibrosis				3																				
Hyperplasia																			2	3				2
Lymph Node																								
Mediastinal, Ectasia																								
Pancreatic, Pigmentation, Hemosiderin																								
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
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Hyperplasia, Lymphoid																								
Spleen	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Atrophy																								
Fibrosis																								
Hematopoietic Cell Proliferation																								
Infiltration Cellular, Histiocyte																								
Thymus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Atrophy	4	4	4	4	3	3	4	4	3	4	2	4	4	3	4	4	4	4	4	4	4	3	4	4
Cyst																								
Ectopic Parathyroid Gland																								

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

TDMS No. 05174 - 05
 Test Type: CHRONIC
 Route: DOSED FEED
 Species/Strain: RATS/F 344

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 CRESOLS
 CAS Number: 1319-77-3
 Pathologist: BOYCE, J. - JOKINEN, M. - RYAN, M.

Date Report Requested: 04/10/2006
 Time Report Requested: 08:44:01
 First Dose M/F: 08/05/02 / NA
 Lab: BAT

DAY ON TEST		7	6	7	6	7	7	7	7	7	7	7	7	7	7	6	7	7	5	7	7	5	7	7	
		3	8	3	1	2	3	2	3	3	2	2	3	3	2	2	3	8	3	2	9	3	2	8	3
		0	3	0	3	9	0	9	1	0	9	9	1	1	9	9	1	8	0	9	0	1	9	9	0
FISCHER 344 RATS MALE 15000 PPM	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	
		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	
	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3		
		4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5		

males
(cont...)

Skin +

MUSCULOSKELETAL SYSTEM

Bone +
 Hyperostosis
 Joint, Inflammation

NERVOUS SYSTEM

Brain +
 Hydrocephalus 2
 Hypothalamus, Compression 3

RESPIRATORY SYSTEM

Lung +
 Congestion
 Inflammation 1 2 1
 Metaplasia, Osseous
 Alveolar Epithelium, Hyperplasia 2 1

Nose +
 Hyperplasia 2
 Inflammation 1 2 1 2 1 1 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
 Goblet Cell, Hyperplasia 2 1 2 1 2 2 2 1 2 2 2 1 2 1 2 1 2 1 2 2 1 1 1 1
 Respiratory Epithelium, Hyperplasia 1 2 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 2 2 1 2 1

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically
 x .. Lesion present
 I .. Insufficient tissue
 M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically
 1-4 .. Lesion qualified as:
 1) Minimal 3) Moderate
 2) Mild 4) Marked
 Page 55

TDMS No. 05174 - 05
 Test Type: CHRONIC
 Route: DOSED FEED
 Species/Strain: RATS/F 344

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 CRESOLS
 CAS Number: 1319-77-3
 Pathologist: BOYCE, J. - JOKINEN, M. - RYAN, M.

Date Report Requested: 04/10/2006
 Time Report Requested: 08:44:01
 First Dose M/F: 08/05/02 / NA
 Lab: BAT

DAY ON TEST		7	6	7	6	7	7	7	7	7	7	7	7	7	7	6	7	7	5	7	7	5	7	7	
		3	8	3	1	2	3	2	3	3	2	2	3	3	2	2	3	8	3	2	9	3	2	8	3
		0	3	0	3	9	0	9	1	0	9	9	1	1	9	9	1	8	0	9	0	1	9	9	0
FISCHER 344 RATS MALE	ANIMAL ID	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
	15000 PPM	5	5	5	5	5	5	5	5	5	6	6	6	6	6	6	6	6	6	6	7	7	7	7	
	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3		

males (cont...)

Respiratory Epithelium, Metaplasia, Squamous Vein, Thrombosis	2		1	1	1				2	2	2	1	2	1	1			1	2	2	1	2	2	2	3	1
Trachea	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+

SPECIAL SENSES SYSTEM

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

URINARY SYSTEM

Kidney	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Necrosis			2						3				1												
Nephropathy	4	1	2	2	3	3	2	3	2	2	1	2	2	1	3	4	1	3	3	1	3	3	1	2	2
Renal Tubule, Hyperplasia																									
Renal Tubule, Inflammation							1			1													1		
Renal Tubule, Mineralization			2																						
Transitional Epithelium, Hyperplasia	2					2							1		2	2						1			

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

TDMS No. 05174 - 05
 Test Type: CHRONIC
 Route: DOSED FEED
 Species/Strain: RATS/F 344

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 CRESOLS
 CAS Number: 1319-77-3
 Pathologist: BOYCE, J. - JOKINEN, M. - RYAN, M.

Date Report Reqsted: 04/10/2006
 Time Report Reqsted: 08:44:01
 First Dose M/F: 08/05/02 / NA
 Lab: BAT

		7	6	7	6	7	7	7	7	7	7	7	7	7	7	6	7	7	5	7	7	5	7	7		
DAY ON TEST		3	8	3	1	2	3	2	3	3	2	2	3	3	2	2	3	8	3	2	9	3	2	8	3	2
		0	3	0	3	9	0	9	1	0	9	9	1	1	9	9	1	8	0	9	0	1	9	9	0	4
FISCHER 344 RATS MALE 15000 PPM	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	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	
Urinary Bladder		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	

males
(cont...)

TDMS No. 05174 - 05
 Test Type: CHRONIC
 Route: DOSED FEED
 Species/Strain: RATS/F 344

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 CRESOLS
 CAS Number: 1319-77-3
 Pathologist: BOYCE, J. - JOKINEN, M. - RYAN, M.

Date Report Requested: 04/10/2006
 Time Report Requested: 08:44:01
 First Dose M/F: 08/05/02 / NA
 Lab: BAT

	6	7	7	6	7	6	2	7	7	7	6	7	7	7	4	7	5	7	6	7	5	6	7	7	3
DAY ON TEST	8	3	3	3	3	8	9	2	3	2	2	3	2	3	2	2	7	3	6	3	8	6	3	3	9
	0	0	0	9	0	8	9	5	1	9	5	0	9	1	2	5	6	1	7	0	6	7	0	0	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
15000 PPM	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2
	7	7	7	7	8	8	8	8	8	8	8	8	8	8	9	9	9	9	9	9	9	9	9	9	0
	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0
																									* TOTALS

ALIMENTARY SYSTEM

Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Intestine Large, Cecum	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Intestine Large, Colon Parasite Metazoan	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
																										2 1.0
Intestine Large, Rectum Parasite Metazoan	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
										2																2 2.0
Intestine Small, Duodenum	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Intestine Small, Ileum	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Intestine Small, Jejunum	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Liver	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Angiectasis		1	1							1					1	1	1							1		14 1.1
Basophilic Focus		X							X		X															7
Clear Cell Focus			X	X			X		X	X		X	X	X				X		X	X		X		X	27
Degeneration, Cystic		1				2			1					1	1											9 1.1
Eosinophilic Focus				X					X	X	X		X	X					X				X			23
Fatty Change					1	2													2							8 1.4
Fibrosis		1	1		1	1			1		1		1	1	1		1	1	1	1	1		1	1		34 1.0
Hepatodiaphragmatic Nodule																			X							3
Inflammation	1	1	1	1	1		1	1	1	1		1	1	1	1		1		1	1	1		1	2	1	38 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

TDMS No. 05174 - 05
 Test Type: CHRONIC
 Route: DOSED FEED
 Species/Strain: RATS/F 344

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 CRESOLS
 CAS Number: 1319-77-3
 Pathologist: BOYCE, J. - JOKINEN, M. - RYAN, M.

Date Report Reqsted: 04/10/2006
 Time Report Reqsted: 08:44:01
 First Dose M/F: 08/05/02 / NA
 Lab: BAT

	DAY ON TEST																								
	6	7	7	6	7	6	2	7	7	7	6	7	7	7	4	7	5	7	6	7	5	6	7	3	
	8	3	3	3	3	8	9	2	3	2	2	3	2	3	2	2	7	3	6	3	8	6	3	3	9
	0	0	0	9	0	8	9	5	1	9	5	0	9	1	2	5	6	1	7	0	6	7	0	0	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
15000 PPM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ANIMAL ID	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2
	7	7	7	7	8	8	8	8	8	8	8	8	8	8	8	9	9	9	9	9	9	9	9	9	0
	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0
	* TOTALS																								
Mixed Cell Focus	X																								2
Necrosis																									2 2.0
Bile Duct, Hyperplasia																									45 1.7
Centrilobular, Degeneration																									4 2.8
Centrilobular, Necrosis																									1 3.0
Mesentery																									8
Fat, Necrosis																									7 1.9
Oral Mucosa																									2
Inflammation																									1 1.0
Pancreas	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49	
Acinus, Atrophy																									12 1.7
Acinus, Hyperplasia																									3 1.3
Duct, Cyst																									7 1.6
Salivary Glands																									49
Stomach, Forestomach																									50
Inflammation																									2 2.5
Epithelium, Hyperplasia																									1 1.0
Stomach, Glandular																									50
Inflammation																									1 2.0

CARDIOVASCULAR SYSTEM

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically
 x .. Lesion present
 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. 05174 - 05
 Test Type: CHRONIC
 Route: DOSED FEED
 Species/Strain: RATS/F 344

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 CRESOLS
 CAS Number: 1319-77-3
 Pathologist: BOYCE, J. - JOKINEN, M. - RYAN, M.

Date Report Reqsted: 04/10/2006
 Time Report Reqsted: 08:44:01
 First Dose M/F: 08/05/02 / NA
 Lab: BAT

		6	7	7	6	7	6	2	7	7	7	6	7	7	7	4	7	5	7	6	7	5	6	7	7	3
DAY ON TEST		8	3	3	3	3	8	9	2	3	2	2	3	2	3	2	2	7	3	6	3	8	6	3	3	9
		0	0	0	9	0	8	9	5	1	9	5	0	9	1	2	5	6	1	7	0	6	7	0	0	6
FISCHER 344 RATS MALE 15000 PPM	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	2
		7	7	7	7	8	8	8	8	8	8	8	8	8	8	9	9	9	9	9	9	9	9	9	9	0
		6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0
		* TOTALS																								

Blood Vessel	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Heart	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Cardiomyopathy	3	2	1	1	2	1	1			2		1	2	2		2	1	1	1	2	1	1	1	2		42 1.6

ENDOCRINE SYSTEM

Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Hyperplasia																										7 1.6
Vacuolization Cytoplasmic						2	1								1	1	2			2		1			1	19 1.3
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Hyperplasia						1							2						1						1	8 1.5
Islets, Pancreatic	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Hyperplasia																								1		4 1.5
Parathyroid Gland	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	46
Hyperplasia			2																							1 2.0
Pituitary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Angiectasis												2			4	3									3	8 2.3
Cyst														2									1	2		6 1.7
Pars Distalis, Hyperplasia									1				3								1	1	2	1		12 1.4
Pars Intermedia, Hyperplasia																										1 1.0
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
C-cell, Hyperplasia																2		1						1		6 1.2

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

TDMS No. 05174 - 05
 Test Type: CHRONIC
 Route: DOSED FEED
 Species/Strain: RATS/F 344

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 CRESOLS
 CAS Number: 1319-77-3
 Pathologist: BOYCE, J. - JOKINEN, M. - RYAN, M.

Date Report Reqsted: 04/10/2006
 Time Report Reqsted: 08:44:01
 First Dose M/F: 08/05/02 / NA
 Lab: BAT

DAY ON TEST	6	7	7	6	7	6	2	7	7	7	6	7	7	7	4	7	5	7	6	7	5	6	7	7	3
	8	3	3	3	3	8	9	2	3	2	2	3	2	3	2	2	7	3	6	3	8	6	3	3	9
	0	0	0	9	0	8	9	5	1	9	5	0	9	1	2	5	6	1	7	0	6	7	0	0	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
15000 PPM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ANIMAL ID	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2
	7	7	7	7	8	8	8	8	8	8	8	8	8	8	9	9	9	9	9	9	9	9	9	9	0
	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0
	* TOTALS																								

Follicular Cell, Hyperplasia 4 1.8

GENERAL BODY SYSTEM

Tissue NOS 1

GENITAL SYSTEM

Epididymis Inflammation	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	1 2.0	
Preputial Gland Inflammation	+	2	2	2	1	1	2	1	2	2	2	2	2	2	1	1	2	2	1	2	1	2	1	2	1	49	44 1.5
Prostate Hyperplasia Inflammation	+	1					2								1										50	22 1.3	
	1			2		1	1	2	1		2											2	2	2	1	1	19 1.5
Seminal Vesicle Hyperplasia Inflammation	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	1 2.0	
	2																									1 2.0	
Testes Interstitial Cell, Hyperplasia	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	2 2.0	
																									2	2 2.0	

HEMATOPOIETIC SYSTEM

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

Page 61

TDMS No. 05174 - 05
 Test Type: CHRONIC
 Route: DOSED FEED
 Species/Strain: RATS/F 344

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 CRESOLS
 CAS Number: 1319-77-3
 Pathologist: BOYCE, J. - JOKINEN, M. - RYAN, M.

Date Report Requested: 04/10/2006
 Time Report Requested: 08:44:01
 First Dose M/F: 08/05/02 / NA
 Lab: BAT

DAY ON TEST		6	7	7	6	7	6	2	7	7	7	6	7	7	7	4	7	5	7	6	7	5	6	7	7	3
ANIMAL ID		8	3	3	3	3	8	9	2	3	2	2	3	2	3	2	2	7	3	6	3	8	6	3	3	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
15000 PPM		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2
		7	7	7	7	8	8	8	8	8	8	8	8	8	8	9	9	9	9	9	9	9	9	9	9	0
		6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0
		* TOTALS																								

Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	1 3.0
Fibrosis																											7 2.1
Hyperplasia				2						2										2	2						
Lymph Node																											4
Mediastinal, Ectasia																											1 2.0
Pancreatic, Pigmentation, Hemosiderin																											1 2.0
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
Hyperplasia, Lymphoid																											1 2.0
Spleen	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49	
Atrophy																											2 2.0
Fibrosis					2																					2	1 1.0
Hematopoietic Cell Proliferation																											18 1.3
Infiltration Cellular, Histiocyte																											1 2.0
Thymus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	48
Atrophy	4	4	4	4	4	4	1	3	4	3	4	4	4	4	4	4	4	4	3	3	3	4	M	+	M	+	47 3.7
Cyst																											1 1.0
Ectopic Parathyroid Gland																											1 1.0

INTEGUMENTARY SYSTEM

Mammary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Hyperplasia																											8 1.4

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

TDMS No. 05174 - 05
 Test Type: CHRONIC
 Route: DOSED FEED
 Species/Strain: RATS/F 344

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 CRESOLS
 CAS Number: 1319-77-3
 Pathologist: BOYCE, J. - JOKINEN, M. - RYAN, M.

Date Report Requested: 04/10/2006
 Time Report Requested: 08:44:01
 First Dose M/F: 08/05/02 / NA
 Lab: BAT

DAY ON TEST	6	7	7	6	7	6	2	7	7	7	6	7	7	7	4	7	5	7	6	7	5	6	7	7	3
	8	3	3	3	3	8	9	2	3	2	2	3	2	3	2	2	7	3	6	3	8	6	3	3	9
	0	0	0	9	0	8	9	5	1	9	5	0	9	1	2	5	6	1	7	0	6	7	0	0	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
15000 PPM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ANIMAL ID	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2
	7	7	7	7	8	8	8	8	8	8	8	8	8	8	9	9	9	9	9	9	9	9	9	9	0
	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0
																								* TOTALS	

Skin + 50

MUSCULOSKELETAL SYSTEM

Bone	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Hyperostosis																									1 2.0
Joint, Inflammation				2						1						2									3 1.7

NERVOUS SYSTEM

Brain	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Hydrocephalus						3										3									3 4 2.8
Hypothalamus, Compression					3										3										3 4 3.0

RESPIRATORY SYSTEM

Lung	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Congestion									2																1 2.0	
Inflammation			2	1	1	1			1				3	1	1				2				1	1	1	24 1.3
Metaplasia, Osseous						1																			1 1.0	
Alveolar Epithelium, Hyperplasia								1			2														4 1.5	
Nose	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Hyperplasia																									1 2.0	
Inflammation					1	1			2	2	2	2	1	1		1	2		2		1	2			28 1.4	
Goblet Cell, Hyperplasia		1	2	1	1	2		2	1	2	2		1	2		1	1	1	1	2	2	2	2	2	1	47 1.6
Respiratory Epithelium, Hyperplasia		1	1	1	1	2		1	1	1	2		1	1		1	1	1	2	1	1	2	2	1	1	47 1.2

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

TDMS No. 05174 - 05
 Test Type: CHRONIC
 Route: DOSED FEED
 Species/Strain: RATS/F 344

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 CRESOLS
 CAS Number: 1319-77-3
 Pathologist: BOYCE, J. - JOKINEN, M. - RYAN, M.

Date Report Requested: 04/10/2006
 Time Report Requested: 08:44:01
 First Dose M/F: 08/05/02 / NA
 Lab: BAT

	DAY ON TEST																								
	6	7	7	6	7	6	2	7	7	7	6	7	7	7	4	7	5	7	6	7	5	6	7	3	
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	
15000 PPM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
ANIMAL ID	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	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	
																								* TOTALS	

Respiratory Epithelium, Metaplasia, Squamous Vein, Thrombosis	1	1	1	1	1		2	1	2	1			1		1	1	1	3	1	2	1	1		2	2	40 1.5	
																											2 2.0
Trachea	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49

SPECIAL SENSES SYSTEM

Eye	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Cataract																											1 3.0
Retina, Atrophy																											1 3.0
Sclera, Metaplasia, Osseous			2		1	1					2						2		2	2				1			15 1.5
Harderian Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Atrophy																											2 1.5
Inflammation					1											1											3 1.0
Zymbal's Gland					+					+																	2

URINARY SYSTEM

Kidney	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Necrosis																												4 2.3
Nephropathy	1	4	2	1	2	2	1	3	2	3		3	2	2	1	3	1	3	1	3	1	2	1	3	1		49 2.1	
Renal Tubule, Hyperplasia			2																									1 2.0
Renal Tubule, Inflammation																												3 1.0
Renal Tubule, Mineralization																												1 2.0
Transitional Epithelium, Hyperplasia																										2		8 1.9

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

Page 64

TDMS No. 05174 - 05
 Test Type: CHRONIC
 Route: DOSED FEED
 Species/Strain: RATS/F 344

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 CRESOLS
 CAS Number: 1319-77-3
 Pathologist: BOYCE, J. - JOKINEN, M. - RYAN, M.

Date Report Reqsted: 04/10/2006
 Time Report Reqsted: 08:44:01
 First Dose M/F: 08/05/02 / NA
 Lab: BAT

	6	7	7	6	7	6	2	7	7	7	6	7	7	7	4	7	5	7	6	7	5	6	7	7	3
DAY ON TEST	8	3	3	3	3	8	9	2	3	2	2	3	2	3	2	2	7	3	6	3	8	6	3	3	9
	0	0	0	9	0	8	9	5	1	9	5	0	9	1	2	5	6	1	7	0	6	7	0	0	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
15000 PPM	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2
	7	7	7	7	8	8	8	8	8	8	8	8	8	8	8	9	9	9	9	9	9	9	9	9	0
	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0
	* TOTALS																								
Urinary Bladder	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50

*** END OF MALE DATA ***

*** END OF REPORT ***

* .. 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