

**TDMS No.** 05174 - 05

**Test Type:** CHRONIC

**Route:** DOSED FEED

**Species/Strain:** RATS/F 344

**P05: INCIDENCE RATES OF NEOPLASMS BY ANATOMIC SITE (SYSTEMIC  
LESIONS ABRIDGED) (a)**  
CRESOLS

**CAS Number:** 1319-77-3

**Pathologist:** BOYCE, J. - JOKINEN, M. - RYAN, M.

F1\_R2Males

**Date Report Reqsted:** 04/10/2006

**Time Report Reqsted:** 08:44:01

**First Dose M/F:** 08/05/02 / NA

**Lab:** BAT

**C Number:** C62260B  
**Lock Date:** 02/09/2005  
**Cage Range:** ALL  
**Date Range:** ALL  
**Reasons For Removal:** ALL  
**Removal Date Range:** ALL  
**Treatment Groups:** Include ALL

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FISCHER 344 RATS MALE	0 PPM	1500 PPM	5000 PPM	15000 PPM
<b>Disposition Summary</b>				
Animals Initially in Study	50	50	50	50
Early Deaths				
Moribund Sacrifice	12	10	9	14
Natural Death	5	6	8	5
Survivors				
Terminal Sacrifice	33	34	33	31
Animals Examined Microscopically	50	50	50	50
<b>ALIMENTARY SYSTEM</b>				
Esophagus	(50)	(50)	(50)	(49)
Intestine Large, Cecum	(50)	(50)	(50)	(49)
Intestine Large, Colon	(50)	(50)	(50)	(50)
Sarcoma			1 (2%)	
Intestine Large, Rectum	(50)	(50)	(50)	(50)
Polyp Adenomatous			1 (2%)	
Intestine Small, Duodenum	(49)	(50)	(50)	(49)
Intestine Small, Ileum	(50)	(50)	(50)	(49)
Intestine Small, Jejunum	(50)	(50)	(50)	(49)
Liver	(50)	(50)	(50)	(50)
Hepatocellular Adenoma				1 (2%)
Hepatocellular Carcinoma			1 (2%)	
Osteosarcoma, Metastatic, Bone				1 (2%)
Sarcoma		1 (2%)		
Sarcoma, Metastatic, Mesentery			1 (2%)	
Mesentery	(5)	(7)	(9)	(8)
Sarcoma			1 (11%)	
Oral Mucosa	(0)	(1)	(0)	(2)
Squamous Cell Carcinoma				1 (50%)
Pancreas	(49)	(50)	(50)	(49)
Sarcoma, Metastatic, Mesentery			1 (2%)	
Acinus, Adenoma				1 (2%)
Salivary Glands	(49)	(50)	(50)	(49)
Schwannoma Malignant				1 (2%)
Stomach, Forestomach	(49)	(50)	(50)	(50)
Leiomyosarcoma	1 (2%)			

a - Number of animals examined microscopically at site and number of animals with lesion

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Squamous Cell Carcinoma				1 (2%)
Squamous Cell Papilloma			1 (2%)	2 (4%)
Stomach, Glandular	(49)	(50)	(50)	(50)
Tongue	(0)	(1)	(1)	(0)
Squamous Cell Papilloma			1 (100%)	
<b>CARDIOVASCULAR SYSTEM</b>				
Heart	(50)	(50)	(50)	(50)
Sarcoma, Metastatic, Mesentery			1 (2%)	
Schwannoma Malignant, Metastatic, Skin			1 (2%)	
<b>ENDOCRINE SYSTEM</b>				
Adrenal Cortex	(50)	(50)	(50)	(50)
Carcinoma		1 (2%)		
Adrenal Medulla	(50)	(50)	(50)	(50)
Pheochromocytoma Benign	8 (16%)	5 (10%)	6 (12%)	5 (10%)
Islets, Pancreatic	(49)	(50)	(50)	(49)
Adenoma	1 (2%)	1 (2%)	1 (2%)	1 (2%)
Carcinoma	1 (2%)	1 (2%)		1 (2%)
Parathyroid Gland	(46)	(50)	(49)	(46)
Adenoma	1 (2%)			1 (2%)
Pituitary Gland	(50)	(50)	(49)	(50)
Pars Distalis, Adenoma	19 (38%)	13 (26%)	9 (18%)	8 (16%)
Pars Distalis, Adenoma, Multiple	1 (2%)	1 (2%)		
Pars Distalis, Carcinoma				1 (2%)
Pars Intermedia, Adenoma	1 (2%)			
Thyroid Gland	(50)	(50)	(50)	(49)
Bilateral, C-cell, Adenoma		1 (2%)		
C-cell, Adenoma	6 (12%)	6 (12%)	5 (10%)	8 (16%)
C-cell, Carcinoma	1 (2%)	1 (2%)	2 (4%)	2 (4%)
Follicular Cell, Adenoma		1 (2%)	1 (2%)	
Follicular Cell, Carcinoma			1 (2%)	
<b>GENERAL BODY SYSTEM</b>				
Tissue NOS	(0)	(0)	(0)	(1)

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FISCHER 344 RATS MALE	0 PPM	1500 PPM	5000 PPM	15000 PPM
Paraganglioma				1 (100%)
<b>GENITAL SYSTEM</b>				
Epididymis	(50)	(50)	(50)	(50)
Preputial Gland	(50)	(50)	(50)	(49)
Adenoma	5 (10%)	1 (2%)	2 (4%)	4 (8%)
Prostate	(50)	(50)	(50)	(50)
Seminal Vesicle	(50)	(50)	(50)	(50)
Testes	(50)	(50)	(50)	(50)
Bilateral, Interstitial Cell, Adenoma	42 (84%)	36 (72%)	37 (74%)	43 (86%)
Interstitial Cell, Adenoma	7 (14%)	12 (24%)	7 (14%)	4 (8%)
<b>HEMATOPOIETIC SYSTEM</b>				
Bone Marrow	(50)	(50)	(50)	(50)
Lymph Node	(4)	(5)	(5)	(4)
Lymph Node, Mesenteric	(49)	(50)	(50)	(50)
Spleen	(49)	(50)	(50)	(49)
Leiomyoma				1 (2%)
Sarcoma, Metastatic, Mesentery			1 (2%)	
Thymus	(47)	(43)	(47)	(48)
<b>INTEGUMENTARY SYSTEM</b>				
Mammary Gland	(49)	(50)	(50)	(49)
Adenoma	1 (2%)			
Fibroadenoma		1 (2%)	2 (4%)	1 (2%)
Skin	(50)	(50)	(50)	(50)
Basal Cell Adenoma		1 (2%)	1 (2%)	1 (2%)
Keratoacanthoma	1 (2%)	1 (2%)	2 (4%)	2 (4%)
Keratoacanthoma, Multiple			1 (2%)	
Squamous Cell Papilloma			1 (2%)	
Trichoepithelioma			1 (2%)	
Pinna, Neural Crest Tumor		1 (2%)		
Subcutaneous Tissue, Fibroma	1 (2%)	1 (2%)	3 (6%)	3 (6%)
Subcutaneous Tissue, Fibrosarcoma	2 (4%)		1 (2%)	2 (4%)
Subcutaneous Tissue, Fibrous			1 (2%)	

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Histiocytoma				
Subcutaneous Tissue, Lipoma	1 (2%)			
Subcutaneous Tissue, Osteosarcoma		1 (2%)		
Subcutaneous Tissue, Sarcoma	1 (2%)		1 (2%)	
Subcutaneous Tissue, Schwannoma Benign				1 (2%)
Subcutaneous Tissue, Schwannoma Malignant			1 (2%)	1 (2%)
<b>MUSCULOSKELETAL SYSTEM</b>				
Bone	(50)	(50)	(50)	(50)
Chordoma	1 (2%)			
Osteosarcoma				1 (2%)
<b>NERVOUS SYSTEM</b>				
Brain	(50)	(50)	(50)	(50)
Oligodendroglioma Benign			1 (2%)	
Oligodendroglioma Malignant		1 (2%)		
<b>RESPIRATORY SYSTEM</b>				
Lung	(50)	(50)	(50)	(50)
Alveolar/Bronchiolar Adenoma	1 (2%)		3 (6%)	1 (2%)
Alveolar/Bronchiolar Carcinoma		1 (2%)	1 (2%)	
Chordoma, Metastatic, Bone	1 (2%)			
Osteosarcoma, Metastatic, Skin		1 (2%)		
Sarcoma, Metastatic, Mesentery			1 (2%)	
Schwannoma Malignant, Metastatic, Skin			1 (2%)	
Nose	(50)	(50)	(50)	(50)
Trachea	(50)	(50)	(50)	(49)
<b>SPECIAL SENSES SYSTEM</b>				
Eye	(49)	(50)	(50)	(50)
Sarcoma, Metastatic, Skin			1 (2%)	
Retrobulbar, Schwannoma Malignant	1 (2%)			

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Harderian Gland	(49)	(50)	(50)	(50)
Zymbal's Gland	(1)	(2)	(0)	(2)
Carcinoma	1 (100%)	2 (100%)		2 (100%)
<b>URINARY SYSTEM</b>				
Kidney	(50)	(50)	(50)	(50)
Lipoma		1 (2%)		1 (2%)
Renal Tubule, Adenoma				3 (6%)
Ureter	(1)	(0)	(1)	(0)
Urinary Bladder	(49)	(50)	(50)	(50)
Papilloma	1 (2%)			
<b>SYSTEMIC LESIONS</b>				
Multiple Organs	*(50)	*(50)	*(50)	*(50)
Leukemia Mononuclear	15 (30%)	21 (42%)	13 (26%)	10 (20%)
Lymphoma Malignant	1 (2%)	1 (2%)	1 (2%)	2 (4%)
Mesothelioma Malignant		3 (6%)		2 (4%)

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\* Number of animals with any tissue examined microscopically

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**Tumor Summary for Males**

Total Animals with Primary Neoplasms (b)	50	50	48	50
Total Primary Neoplasms	122	117	111	120
Total Animals with Benign Neoplasms	50	50	48	48
Total Benign Neoplasms	97	82	86	93
Total Animals with Malignant Neoplasms	23	29	23	24
Total Malignant Neoplasms	25	34	25	27
Total Animals with Metastatic Neoplasms	1	3	3	2
Total Metastatic Neoplasms	1	4	8	2
Total Animals with Malignant Neoplasms Uncertain Primary Site				
Total Animals with Neoplasms Uncertain-Benign or Malignant		1		
Total Uncertain Neoplasms		1		

\*\*\* END OF MALE \*\*\*

\*\*\* END OF REPORT \*\*\*

a - Number of animals examined microscopically at site and number of animals with lesion

b - Primary tumors: all tumors except metastatic tumors