

**TDMS No.** 20304 - 01

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

**Date Report Requested:** 07/14/2008

**Test Type:** CHRONIC

TEF evaluation (PCB 118)

**Time Report Requested:** 15:09:47

**Route:** GAVAGE

**CAS Number:** 31508-00-6

**First Dose M/F:** NA / 03/26/04

**Species/Strain:** RATS/SD

**Lab:** BAT

**C Number:** C20304

**Lock Date:** 10/12/2006

**Cage Range:** ALL

**Date Range:** ALL

**Reasons For Removal:** 25022 ACCK 25021 TSAC 25020 NATD

25019 MSAC

**Removal Date Range:** ALL

**Treatment Groups:** Include 001 0 UG/KG Include 008 4600 UG/KG Include 009 4600 UG/KG STOP

**Study Gender:** Female

**TDMSE Version:** 2.0.0

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SPRAGUE-DAWLEY RATS FEMALE	0 UG/KG	4600 UG/KG	4600 UG/KG STOP
<b>Disposition Summary</b>			
Animals Initially in Study	80	80	50
Early Deaths			
Accidently Killed			1
Moribund Sacrifice	27	16	18
Natural Death	4	11	6
Survivors			
Moribund Sacrifice			1
Terminal Sacrifice	21	25	24
Animals Examined Microscopically	52	52	50

## ALIMENTARY SYSTEM

Esophagus	(51)	(52)	(50)
Intestine Large, Cecum	(52)	(48)	(49)
Intestine Large, Colon	(52)	(48)	(49)
Schwannoma Malignant, Metastatic, Uterus	1 (2%)		
Intestine Large, Rectum	(52)	(50)	(49)
Intestine Small, Duodenum	(52)	(48)	(49)
Carcinoma, Metastatic, Uterus			1 (2%)
Intestine Small, Ileum	(52)	(47)	(49)
Carcinoma, Metastatic, Uterus			2 (4%)
Intestine Small, Jejunum	(52)	(48)	(49)
Liver	(52)	(49)	(49)
Carcinoma, Metastatic, Uterus			2 (4%)
Cholangiocarcinoma		6 (12%)	12 (24%)
Cholangiocarcinoma, Multiple		30 (61%)	17 (35%)
Cholangioma	1 (2%)		
Hepatocellular Adenoma		10 (20%)	
Hepatocellular Adenoma, Multiple		14 (29%)	1 (2%)
Hepatocellular Carcinoma		1 (2%)	
Hepatocholangioma		4 (8%)	
Schwannoma Malignant, Metastatic, Uterus	1 (2%)		
Mesentery	(2)	(9)	(9)
Carcinoma, Metastatic, Uterus			4 (44%)

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Oral Mucosa	(1)	(3)	(0)
Squamous Cell Carcinoma		2 (67%)	
Pancreas	(52)	(47)	(49)
Carcinoma, Metastatic, Uterus			4 (8%)
Schwannoma Malignant, Metastatic, Uterus	1 (2%)		
Acinus, Adenoma		1 (2%)	
Acinus, Carcinoma		1 (2%)	
Stomach, Forestomach	(52)	(51)	(49)
Squamous Cell Carcinoma			1 (2%)
Squamous Cell Papilloma			1 (2%)
Stomach, Glandular	(52)	(51)	(49)
Carcinoma, Metastatic, Uterus			1 (2%)
Tongue	(0)	(0)	(1)
Tooth	(10)	(7)	(7)
Odontoma	1 (10%)		
<b>CARDIOVASCULAR SYSTEM</b>			
Blood Vessel	(52)	(51)	(50)
Heart	(52)	(50)	(50)
<b>ENDOCRINE SYSTEM</b>			
Adrenal Cortex	(52)	(49)	(49)
Adenoma	2 (4%)	4 (8%)	1 (2%)
Carcinoma	1 (2%)		
Carcinoma, Metastatic, Thyroid Gland	1 (2%)		
Carcinoma, Metastatic, Uterus			2 (4%)
Granulosa Cell Tumor Malignant, Metastatic, Ovary			1 (2%)
Adrenal Medulla	(52)	(49)	(49)
Pheochromocytoma Benign	3 (6%)		2 (4%)
Parathyroid Gland	(47)	(47)	(49)
Adenoma		1 (2%)	
Pituitary Gland	(52)	(52)	(50)
Pars Distalis, Adenoma	16 (31%)	4 (8%)	12 (24%)
Pars Distalis, Adenoma, Multiple	1 (2%)		
Pars Distalis, Carcinoma	2 (4%)		1 (2%)

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Thyroid Gland	(51)	(49)	(50)
C-cell, Adenoma	9 (18%)	6 (12%)	5 (10%)
C-cell, Carcinoma	2 (4%)		
Follicular Cell, Adenoma	1 (2%)		
Follicular Cell, Carcinoma			1 (2%)
<b>GENERAL BODY SYSTEM</b>			
None			
<b>GENITAL SYSTEM</b>			
Clitoral Gland	(52)	(49)	(48)
Ovary	(52)	(48)	(49)
Carcinoma, Metastatic, Uterus			3 (6%)
Granulosa Cell Tumor Malignant			1 (2%)
Luteoma	1 (2%)		
Uterus	(52)	(49)	(49)
Carcinoma	2 (4%)	3 (6%)	11 (22%)
Polyp Stromal	3 (6%)	5 (10%)	3 (6%)
Schwannoma Malignant	1 (2%)	1 (2%)	2 (4%)
Squamous Cell Carcinoma			1 (2%)
Bilateral, Polyp Stromal		1 (2%)	1 (2%)
Vagina	(7)	(0)	(0)
Polyp, Multiple	1 (14%)		
Squamous Cell Carcinoma	1 (14%)		
<b>HEMATOPOIETIC SYSTEM</b>			
Bone Marrow	(52)	(52)	(50)
Lymph Node	(0)	(2)	(1)
Renal, Carcinoma, Metastatic, Uterus			1 (100%)
Lymph Node, Mandibular	(51)	(51)	(50)
Lymph Node, Mesenteric	(52)	(47)	(49)
Spleen	(52)	(47)	(49)
Carcinoma, Metastatic, Uterus			3 (6%)
Thymus	(51)	(49)	(50)

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<b>INTEGUMENTARY SYSTEM</b>			
Mammary Gland	(52)	(50)	(50)
Carcinoma	2 (4%)	2 (4%)	2 (4%)
Fibroadenoma	16 (31%)	8 (16%)	12 (24%)
Fibroadenoma, Multiple	9 (17%)		5 (10%)
Skin	(52)	(51)	(50)
Fibroma	2 (4%)		1 (2%)
Hemangiosarcoma	1 (2%)		
Keratoacanthoma	1 (2%)		
Schwannoma Malignant	1 (2%)	1 (2%)	
Subcutaneous Tissue, Schwannoma Malignant, Metastatic, Uterus	1 (2%)		
<b>MUSCULOSKELETAL SYSTEM</b>			
Bone	(52)	(52)	(50)
Skeletal Muscle	(0)	(0)	(2)
Carcinoma, Metastatic, Uterus			1 (50%)
Granulosa Cell Tumor Malignant, Metastatic, Ovary			1 (50%)
<b>NERVOUS SYSTEM</b>			
Brain	(52)	(52)	(50)
Carcinoma, Metastatic, Pituitary Gland	2 (4%)		1 (2%)
Spinal Cord	(0)	(1)	(0)
<b>RESPIRATORY SYSTEM</b>			
Lung	(51)	(50)	(50)
Carcinoma, Metastatic, Thyroid Gland	1 (2%)		1 (2%)
Carcinoma, Metastatic, Uterus			2 (4%)
Cystic Keratinizing Epithelioma		12 (24%)	
Cystic Keratinizing Epithelioma, Multiple		8 (16%)	
Nose	(52)	(52)	(50)
Trachea	(51)	(52)	(50)

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<b>SPECIAL SENSES SYSTEM</b>			
Eye	(52)	(52)	(50)
Harderian Gland	(52)	(52)	(50)
<b>URINARY SYSTEM</b>			
Kidney	(52)	(50)	(49)
Carcinoma, Metastatic, Uterus			1 (2%)
Granulosa Cell Tumor Malignant, Metastatic, Ovary			1 (2%)
Renal Tubule, Carcinoma			1 (2%)
Ureter	(0)	(0)	(2)
Urinary Bladder	(52)	(50)	(49)
Carcinoma, Metastatic, Uterus			1 (2%)
<b>SYSTEMIC LESIONS</b>			
Multiple Organs	*(52)	*(52)	*(50)
Histiocytic Sarcoma	1 (2%)		
Lymphoma Malignant	2 (4%)	3 (6%)	

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\* Number of animals with any tissue examined microscopically

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**Tumor Summary for Females**

<b>Total Animals with Primary Neoplasms (b)</b>	48	45	44
<b>Total Primary Neoplasms</b>	83	128	94
<b>Total Animals with Benign Neoplasms</b>	43	36	30
<b>Total Benign Neoplasms</b>	67	78	44
<b>Total Animals with Malignant Neoplasms</b>	15	39	37
<b>Total Malignant Neoplasms</b>	16	50	50
<b>Total Animals with Metastatic Neoplasms</b>	4		9
<b>Total Metastatic Neoplasms</b>	8		33
<b>Total Animals with Malignant Neoplasms Uncertain Primary Site</b>			
<b>Total Animals with Neoplasms Uncertain-Benign or Malignant</b>			
<b>Total Uncertain Neoplasms</b>			

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

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b - Primary tumors: all tumors except metastatic tumors