

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

SPRAGUE-DAWLEY RATS FEMALE	0 UG/KG	4600 UG/KG	4600 UG/KG STOP
Disposition Summary			
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%)		
CARDIOVASCULAR SYSTEM			
Blood Vessel	(52)	(51)	(50)
Heart	(52)	(50)	(50)
ENDOCRINE SYSTEM			
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%)
GENERAL BODY SYSTEM			
None			
GENITAL SYSTEM			
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%)		
HEMATOPOIETIC SYSTEM			
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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INTEGUMENTARY SYSTEM			
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%)		
MUSCULOSKELETAL SYSTEM			
Bone	(52)	(52)	(50)
Skeletal Muscle	(0)	(0)	(2)
Carcinoma, Metastatic, Uterus			1 (50%)
Granulosa Cell Tumor Malignant, Metastatic, Ovary			1 (50%)
NERVOUS SYSTEM			
Brain	(52)	(52)	(50)
Carcinoma, Metastatic, Pituitary Gland	2 (4%)		1 (2%)
Spinal Cord	(0)	(1)	(0)
RESPIRATORY SYSTEM			
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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SPECIAL SENSES SYSTEM			
Eye	(52)	(52)	(50)
Harderian Gland	(52)	(52)	(50)
URINARY SYSTEM			
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%)
SYSTEMIC LESIONS			
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

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

*** END OF REPORT ***

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b - Primary tumors: all tumors except metastatic tumors