

TDMS No. 20304 - 01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/SD

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
TEF evaluation (PCB 118)
CAS Number: 31508-00-6

Date Report Requested: 06/26/2008
Time Report Requested: 12:05:16
First Dose M/F: NA / 03/26/04
Lab: BAT

F1_R8

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 25018 DACC

Removal Date Range: ALL

Treatment Groups: Include 001 0 UG/KG Include 004 100 UG/KG Include 005 220 UG/KG
Include 006 460 UG/KG Include 007 1000 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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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
	1	7	6	7	6	6	5	7	7	6	7	3	6	7	6	2	6	5	7	7	5	7	7	7	4
	1	3	5	3	5	6	1	3	3	9	3	2	6	3	5	9	2	7	3	3	0	3	0	3	9
	9	3	8	5	1	9	6	4	3	2	3	0	2	3	2	1	4	5	3	4	3	5	1	5	5
SPRAGUE-DAWLEY 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
0 UG/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	0	0	0	0	0	0	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	2	2	2	2	3	3	3	3	3	4	4	4	4
	1	6	7	8	9	0	1	2	3	4	5	6	6	7	8	9	0	6	7	8	9	0	1	2	3

females
(cont...)

ALIMENTARY SYSTEM

Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Lymphoma Malignant	X																								
Schwannoma Malignant, Metastatic, Uterus						X																			
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Lymphoma Malignant	X																								
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Lymphoma Malignant	X																								
Liver	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Cholangioma																									
Histiocytic Sarcoma										X															

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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
	1	7	6	7	6	6	5	7	7	6	7	3	6	7	6	2	6	5	7	7	5	7	7	7	4
	1	3	5	3	5	6	1	3	3	9	3	2	6	3	5	9	2	7	3	3	0	3	0	3	9
	9	3	8	5	1	9	6	4	3	2	3	0	2	3	2	1	4	5	3	4	3	5	1	5	5
SPRAGUE-DAWLEY 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
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0 UG/KG	0	0	0	0	0	1	1	1	1	1	1	1	2	2	2	2	3	3	3	3	3	4	4	4	4
ANIMAL ID	1	6	7	8	9	0	1	2	3	4	5	6	6	7	8	9	0	6	7	8	9	0	1	2	3

females (cont...)

Lymphoma Malignant	X																								
Schwannoma Malignant, Metastatic, Uterus						X																			
Mesentery	+																								
Oral Mucosa	+																								
Pancreas	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Lymphoma Malignant	X																								
Schwannoma Malignant, Metastatic, Uterus						X																			
Salivary Glands	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Tooth	+	+		+			+			+							+	+		+					
Odontoma																									

CARDIOVASCULAR SYSTEM

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

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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
		1	7	6	7	6	6	5	7	7	6	7	3	6	7	6	2	6	5	7	7	5	7	7	7	4
		1	3	5	3	5	6	1	3	3	9	3	2	6	3	5	9	2	7	3	3	0	3	0	3	9
		9	3	8	5	1	9	6	4	3	2	3	0	2	3	2	1	4	5	3	4	3	5	1	5	5
SPRAGUE-DAWLEY RATS		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
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 UG/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	1	1	1	1	1	1	1	2	2	2	2	3	3	3	3	3	4	4	4	4
		1	6	7	8	9	0	1	2	3	4	5	6	6	7	8	9	0	6	7	8	9	0	1	2	3
Lymphoma Malignant		X																								
Heart		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Lymphoma Malignant		X																								

females
(cont...)

ENDOCRINE SYSTEM

Adrenal Cortex		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Adenoma				X																					
Carcinoma										X															
Carcinoma, Metastatic, Thyroid Gland																					X				
Lymphoma Malignant		X																							
Adrenal Medulla		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Pheochromocytoma Benign																	X								
Islets, Pancreatic		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Parathyroid Gland		+	+	+	+	+	+	+	+	+	M	+	+	+	+	M	+	+	+	M	+	+	+	M	+
Pituitary Gland		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Lymphoma Malignant		X																							
Pars Distalis, Adenoma			X	X	X			X	X		X			X			X		X			X			
Pars Distalis, Adenoma, Multiple																									

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	1	7	6	7	6	6	5	7	7	6	7	3	6	7	6	2	6	5	7	7	5	7	7	4
	1	3	5	3	5	6	1	3	3	9	3	2	6	3	5	9	2	7	3	3	0	3	0	9
	9	3	8	5	1	9	6	4	3	2	3	0	2	3	2	1	4	5	3	4	3	5	1	5
SPRAGUE-DAWLEY 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 UG/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
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	1	1	1	1	1	1	1	2	2	2	3	3	3	3	3	4	4	4	4
	1	6	7	8	9	0	1	2	3	4	5	6	6	7	8	9	0	6	7	8	9	0	1	2

females (cont...)

Pars Distalis, Carcinoma

Thyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+
C-cell, Adenoma				X															X			X	X		
C-cell, Carcinoma																					X				
Follicular Cell, Adenoma																				X					

GENERAL BODY SYSTEM
 NONE

GENITAL SYSTEM

Clitoral Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Lymphoma Malignant	X																							
Ovary	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Histiocytic Sarcoma										X														
Luteoma																								X
Lymphoma Malignant	X																							
Uterus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Carcinoma																					X			
Polyp Stromal										X								X						

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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
		1	7	6	7	6	6	5	7	7	6	7	3	6	7	6	2	6	5	7	7	5	7	7	7	4
		1	3	5	3	5	6	1	3	3	9	3	2	6	3	5	9	2	7	3	3	0	3	0	3	9
		9	3	8	5	1	9	6	4	3	2	3	0	2	3	2	1	4	5	3	4	3	5	1	5	5
SPRAGUE-DAWLEY RATS		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0 UG/KG	ANIMAL ID	0	0	0	0	0	1	1	1	1	1	1	1	2	2	2	2	3	3	3	3	3	4	4	4	4
		1	6	7	8	9	0	1	2	3	4	5	6	6	7	8	9	0	6	7	8	9	0	1	2	3

females (cont...)

Schwannoma Malignant

X

Vagina

+

+

Polyp, Multiple

X

Squamous Cell Carcinoma

HEMATOPOIETIC SYSTEM

Bone Marrow

+ +

Histiocytic Sarcoma

X

Lymphoma Malignant

X

Lymph Node, Mandibular

+ + + + + + + + + + + + + + + + M + + + + + + + + + + + + + + + +

Histiocytic Sarcoma

X

Lymphoma Malignant

X

X

Lymph Node, Mesenteric

+ +

Histiocytic Sarcoma

X

Lymphoma Malignant

X

Spleen

+ +

Lymphoma Malignant

X

Thymus

+ + + + + + + + + + + + + + + + M + + + + + + + + + + + + + + + +

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Lab: BAT

| DAY ON TEST | 0 | | | | | | | | | | | | | | | | | | | | | | | |
|-------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--------------------------|---|
| | 1 | 7 | 6 | 7 | 6 | 6 | 5 | 7 | 7 | 6 | 7 | 3 | 6 | 7 | 6 | 2 | 6 | 5 | 7 | 7 | 5 | 7 | 7 | 4 |
| 1 | 3 | 5 | 3 | 5 | 6 | 1 | 3 | 3 | 9 | 3 | 2 | 6 | 3 | 5 | 9 | 2 | 7 | 3 | 3 | 0 | 3 | 0 | 3 | 9 |
| 9 | 3 | 8 | 5 | 1 | 9 | 6 | 4 | 3 | 2 | 3 | 0 | 2 | 3 | 2 | 1 | 4 | 5 | 3 | 4 | 3 | 5 | 1 | 5 | 5 |
| SPRAGUE-DAWLEY RATS
FEMALE | 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 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 0 | 0 | 0 | 0 | 0 | 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 | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 |
| 1 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 6 | 7 | 8 | 9 | 0 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 |
| | | | | | | | | | | | | | | | | | | | | | | | females (cont...) | |

Lymphoma Malignant

X

INTEGUMENTARY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|--|---|--|--|---|---|---|--|--|---|---|---|---|---|--|---|--|---|--|--|--|---|--|--|--|--|--|--|--|--|--|--|
| Mammary Gland | + | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Carcinoma | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Fibroadenoma | X | | | | | | | | | | X | X | X | X | | | X | | X | | | | X | | | | | | | | | | |
| Fibroadenoma, Multiple | | | X | | | X | X | X | | | | | | | X | | X | | | | | | | | | | | | | | | | |
| Histiocytic Sarcoma | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Lymphoma Malignant | X | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Skin | + | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Fibroma | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Hemangiosarcoma | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Keratoacanthoma | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Schwannoma Malignant | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Subcutaneous Tissue, Schwannoma Malignant, Metastatic, Uterus | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | X | | | | | | | | | | | | | | | | | | | | | | | | | |

MUSCULOSKELETAL SYSTEM

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

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| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|----------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--|--|
| | 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 | 1 | 7 | 6 | 7 | 6 | 6 | 5 | 7 | 7 | 6 | 7 | 3 | 6 | 7 | 6 | 2 | 6 | 5 | 7 | 7 | 5 | 7 | 7 | 7 | 4 | | |
| | 1 | 3 | 5 | 3 | 5 | 6 | 1 | 3 | 3 | 9 | 3 | 2 | 6 | 3 | 5 | 9 | 2 | 7 | 3 | 3 | 0 | 3 | 0 | 3 | 9 | | |
| | 9 | 3 | 8 | 5 | 1 | 9 | 6 | 4 | 3 | 2 | 3 | 0 | 2 | 3 | 2 | 1 | 4 | 5 | 3 | 4 | 3 | 5 | 1 | 5 | 5 | | |
| <hr/> | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| SPRAGUE-DAWLEY RATS | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | |
| 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 UG/KG | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | | | |
| ANIMAL ID | 1 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 6 | 7 | 8 | 9 | 0 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | | |

females
(cont...)

NERVOUS SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Brain | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Carcinoma, Metastatic, Pituitary Gland | | | | | | | | | | | | | | | | | | | | | | | | |
| Lymphoma Malignant | X | | | | | | | | | | | | | | | | | | | | | | | |

RESPIRATORY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | |
|--------------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Lung | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + |
| Carcinoma, Metastatic, Thyroid Gland | | | | | | | | | | | | | | | | | | | | | | | X | |
| Histiocytic Sarcoma | | | | | | | | | | | X | | | | | | | | | | | | | |
| Lymphoma Malignant | X | | | | | | | | | | | | | | | | | | | | | | | |
| Nose | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Lymphoma Malignant | X | | | | | | | | | | | | | | | | | | | | | | | |
| Trachea | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + |
| Lymphoma Malignant | X | | | | | | | | | | | | | | | | | | | | | | | |

SPECIAL SENSES SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | |
|--------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Eye | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Lymphoma Malignant | X | | | | | | | | | | | | | | | | | | | | | | | |

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 x .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

TDMS No. 20304 - 01
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/SD

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 TEF evaluation (PCB 118)
 CAS Number: 31508-00-6

Date Report Requested: 06/26/2008
 Time Report Requested: 12:05:16
 First Dose M/F: NA / 03/26/04
 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 |
|----------------------------|-----------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 4 | 7 | 4 | 3 | 5 | 6 | 7 | 7 | 5 | 5 | 7 | 7 | 7 | 4 | 7 | 5 | 6 | 5 | 5 | 7 | 5 | 7 | 7 | 7 | 4 |
| | | 9 | 3 | 4 | 7 | 0 | 1 | 3 | 3 | 6 | 1 | 3 | 3 | 3 | 4 | 3 | 6 | 5 | 0 | 7 | 3 | 9 | 3 | 3 | 3 | 4 |
| | | 5 | 5 | 3 | 8 | 3 | 7 | 3 | 5 | 1 | 6 | 4 | 5 | 3 | 0 | 4 | 1 | 8 | 3 | 5 | 5 | 3 | 3 | 3 | 3 | 6 |
| SPRAGUE-DAWLEY RATS | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 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 UG/KG | ANIMAL ID | 4 | 4 | 4 | 4 | 4 | 4 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 7 | 7 | 7 | |
| | | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 6 | 7 | 8 | 9 | 0 | 6 | 7 | |

females
(cont...)

ALIMENTARY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Esophagus | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Large, Cecum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Large, Colon | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | | | | | | | | | |
| Schwannoma Malignant, Metastatic, Uterus | | | | | | | | | | | | | | | | | | | | | | | | | |
| Intestine Large, Rectum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | | | | | | | | | |
| Intestine Small, Duodenum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Small, Ileum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Small, Jejunum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | | | | | | | | | |
| Liver | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Cholangioma | | | | | | | | | | | | | | | | | | | | | | | | | X |
| Histiocytic Sarcoma | | | | | | | | | | | | | | | | | | | | | | | | | |

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 x .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

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 Species/Strain: RATS/SD

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 TEF evaluation (PCB 118)
 CAS Number: 31508-00-6

Date Report Requested: 06/26/2008
 Time Report Requested: 12:05:16
 First Dose M/F: NA / 03/26/04
 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 |
|----------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 4 | 7 | 4 | 3 | 5 | 6 | 7 | 7 | 5 | 5 | 7 | 7 | 7 | 4 | 7 | 5 | 6 | 5 | 5 | 7 | 5 | 7 | 7 | 7 | 4 |
| | 9 | 3 | 4 | 7 | 0 | 1 | 3 | 3 | 6 | 1 | 3 | 3 | 3 | 4 | 3 | 6 | 5 | 0 | 7 | 3 | 9 | 3 | 3 | 3 | 4 |
| | 5 | 5 | 3 | 8 | 3 | 7 | 3 | 5 | 1 | 6 | 4 | 5 | 3 | 0 | 4 | 1 | 8 | 3 | 5 | 5 | 3 | 3 | 3 | 3 | 6 |
| SPRAGUE-DAWLEY RATS | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 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 |
| 0 UG/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 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 8 |
| | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 6 | 7 | 8 | 9 | 0 | 6 | 7 | 8 |

**females
(cont...)**

Lymphoma Malignant
 Schwannoma Malignant, Metastatic,
 Uterus

Mesentery +

Oral Mucosa

Pancreas +

Lymphoma Malignant
 Schwannoma Malignant, Metastatic,
 Uterus

Salivary Glands +

Stomach, Forestomach +

Stomach, Glandular +

Tooth +

Odontoma X

CARDIOVASCULAR SYSTEM

Blood Vessel +

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 x .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

TDMS No. 20304 - 01
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| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|----------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--|
| | 0 | 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 | 7 | 4 | 3 | 5 | 6 | 7 | 7 | 5 | 5 | 7 | 7 | 7 | 4 | 7 | 5 | 6 | 5 | 5 | 7 | 5 | 7 | 7 | 7 | 4 | |
| | 9 | 3 | 4 | 7 | 0 | 1 | 3 | 3 | 6 | 1 | 3 | 3 | 3 | 4 | 3 | 6 | 5 | 0 | 7 | 3 | 9 | 3 | 3 | 3 | 4 | |
| | 5 | 5 | 3 | 8 | 3 | 7 | 3 | 5 | 1 | 6 | 4 | 5 | 3 | 0 | 4 | 1 | 8 | 3 | 5 | 5 | 3 | 3 | 3 | 3 | 6 | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | |
| SPRAGUE-DAWLEY RATS | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 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 | |
| | 0 | 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 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | |
| 0 UG/KG | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 6 | 7 | 8 | 9 | 0 | 6 | 7 | 8 | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | |

females (cont...)

Lymphoma Malignant

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|--------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--|
| Heart | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | | | | | | | | | |

ENDOCRINE SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--------------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--|
| Adrenal Cortex | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | |
| Adenoma | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Carcinoma | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Carcinoma, Metastatic, Thyroid Gland | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Adrenal Medulla | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Pheochromocytoma Benign | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Islets, Pancreatic | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Parathyroid Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Pituitary Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Pars Distalis, Adenoma | | | X | | | | X | X | | | | X | X | | | | | X | | | | X | | | | |
| Pars Distalis, Adenoma, Multiple | | | | | | | | | | | | | | | | | | | | | | | | | | |

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 x .. Lesion present
 I .. Insufficient tissue
 M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

TDMS No. 20304 - 01
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 Species/Strain: RATS/SD

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 TEF evaluation (PCB 118)
 CAS Number: 31508-00-6

Date Report Requested: 06/26/2008
 Time Report Requested: 12:05:16
 First Dose M/F: NA / 03/26/04
 Lab: BAT

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

| | | | | | | | | | | | | | | | | | | | | | | | | |
|--------------------------|---|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| Pars Distalis, Carcinoma | X | | | | | | | | | | | | | | | | | | | | | | | |
| Thyroid Gland | + | | | | | | | | | | | | | | | | | | | | | | | |
| C-cell, Adenoma | X | | | | | | | | | | | | | | | | | | | | | | | |
| C-cell, Carcinoma | X | | | | | | | | | | | | | | | | | | | | | | | |
| Follicular Cell, Adenoma | X | | | | | | | | | | | | | | | | | | | | | | | |

GENERAL BODY SYSTEM
 NONE

GENITAL SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | |
|---------------------|---|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| Clitoral Gland | + | | | | | | | | | | | | | | | | | | | | | | | |
| Lymphoma Malignant | + | | | | | | | | | | | | | | | | | | | | | | | |
| Ovary | + | | | | | | | | | | | | | | | | | | | | | | | |
| Histiocytic Sarcoma | + | | | | | | | | | | | | | | | | | | | | | | | |
| Luteoma | + | | | | | | | | | | | | | | | | | | | | | | | |
| Lymphoma Malignant | + | | | | | | | | | | | | | | | | | | | | | | | |
| Uterus | + | | | | | | | | | | | | | | | | | | | | | | | |
| Carcinoma | X | | | | | | | | | | | | | | | | | | | | | | | |
| Polyp Stromal | X | | | | | | | | | | | | | | | | | | | | | | | |

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 x .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

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 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 |
|---------------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 4 | 7 | 4 | 3 | 5 | 6 | 7 | 7 | 5 | 5 | 7 | 7 | 7 | 4 | 7 | 5 | 6 | 5 | 5 | 7 | 5 | 7 | 7 | 4 |
| | 9 | 3 | 4 | 7 | 0 | 1 | 3 | 3 | 6 | 1 | 3 | 3 | 3 | 4 | 3 | 6 | 5 | 0 | 7 | 3 | 9 | 3 | 3 | 4 |
| | 5 | 5 | 3 | 8 | 3 | 7 | 3 | 5 | 1 | 6 | 4 | 5 | 3 | 0 | 4 | 1 | 8 | 3 | 5 | 5 | 3 | 3 | 3 | 6 |
| SPRAGUE-DAWLEY 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 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 0 UG/KG | 4 | 4 | 4 | 4 | 4 | 4 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 6 | 7 | 7 | |
| | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 6 | 7 | 8 | 9 | 0 | 6 | |
| | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | |

females (cont...)

Schwannoma Malignant

Vagina

Polyp, Multiple

Squamous Cell Carcinoma

HEMATOPOIETIC SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | |
|------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Bone Marrow | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Histiocytic Sarcoma | | | | | | | | | | | | | | | | | | | | | | | |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | | | | | | | |
| Lymph Node, Mandibular | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Histiocytic Sarcoma | | | | | | | | | | | | | | | | | | | | | | | |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | | | | | | | |
| Lymph Node, Mesenteric | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Histiocytic Sarcoma | | | | | | | | | | | | | | | | | | | | | | | |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | | | | | | | |
| Spleen | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | | | | | | | |
| Thymus | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 x .. Lesion present
 I .. Insufficient tissue

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 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 |
|---------------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 4 | 7 | 4 | 3 | 5 | 6 | 7 | 7 | 5 | 5 | 7 | 7 | 7 | 4 | 7 | 5 | 6 | 5 | 5 | 7 | 5 | 7 | 7 | 7 | 4 |
| | 9 | 3 | 4 | 7 | 0 | 1 | 3 | 3 | 6 | 1 | 3 | 3 | 3 | 4 | 3 | 6 | 5 | 0 | 7 | 3 | 9 | 3 | 3 | 3 | 4 |
| | 5 | 5 | 3 | 8 | 3 | 7 | 3 | 5 | 1 | 6 | 4 | 5 | 3 | 0 | 4 | 1 | 8 | 3 | 5 | 5 | 3 | 3 | 3 | 3 | 6 |
| SPRAGUE-DAWLEY 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 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 UG/KG | 4 | 4 | 4 | 4 | 4 | 4 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 6 | 7 | 7 | 7 | 7 |
| | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 6 | 7 | 8 | 9 | 0 | 6 | 7 | 8 |

females
(cont...)

Lymphoma Malignant

INTEGUMENTARY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Mammary Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Carcinoma | | | | | | | | X | | | | | | | | | X | | | | | | | |
| Fibroadenoma | X | X | | | X | X | | | | | | | X | | | X | | X | | | | | | X |
| Fibroadenoma, Multiple | | | | | | | | | | | X | | | | | | | | | X | | | | |
| Histiocytic Sarcoma | | | | | | | | | | | | | | | | | | | | | | | | |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | | | | | | | | |
| Skin | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Fibroma | | | | | | | | | | | | | | | | | X | | | | | | | |
| Hemangiosarcoma | | | | | | | | | | X | | | | | | | | | | | | | | |
| Keratoacanthoma | | | | | | | | | | | | | | | | X | | | | | | | | |
| Schwannoma Malignant | | | | | | | | | X | | | | | | | | | | | | | | | |
| Subcutaneous Tissue, Schwannoma Malignant, Metastatic, Uterus | | | | | | | | | | | | | | | | | | | | | | | | |

MUSCULOSKELETAL SYSTEM

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

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 x .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

TDMS No. 20304 - 01
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/SD

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 TEF evaluation (PCB 118)
 CAS Number: 31508-00-6

Date Report Requested: 06/26/2008
 Time Report Requested: 12:05:16
 First Dose M/F: NA / 03/26/04
 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 | |
| DAY ON TEST | 4 | 7 | 4 | 3 | 5 | 6 | 7 | 7 | 5 | 5 | 7 | 7 | 7 | 4 | 7 | 5 | 6 | 5 | 5 | 7 | 5 | 7 | 7 | 7 | 4 |
| | 9 | 3 | 4 | 7 | 0 | 1 | 3 | 3 | 6 | 1 | 3 | 3 | 3 | 4 | 3 | 6 | 5 | 0 | 7 | 3 | 9 | 3 | 3 | 3 | 4 |
| | 5 | 5 | 3 | 8 | 3 | 7 | 3 | 5 | 1 | 6 | 4 | 5 | 3 | 0 | 4 | 1 | 8 | 3 | 5 | 5 | 3 | 3 | 3 | 3 | 6 |
| <hr/> | | | | | | | | | | | | | | | | | | | | | | | | | |
| SPRAGUE-DAWLEY 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 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 UG/KG | 4 | 4 | 4 | 4 | 4 | 4 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 6 | 7 | 7 | 7 | 7 |
| | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 6 | 7 | 8 | 9 | 0 | 6 | 7 | 8 |

females
(cont...)

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|--------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Harderian Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | | | | | | | | | |

URINARY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|---------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Kidney | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Histiocytic Sarcoma | | | | | | | | | | | | | | | | | | | | | | | | | |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | | | | | | | | | |
| Urinary Bladder | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |

SYSTEMIC LESIONS

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|---------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Multiple Organ | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Histiocytic Sarcoma | | | | | | | | | | | | | | | | | | | | | | | | | |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | | | | | | | | | |

* .. Total animals with tissue examined microscopically; Total animals with tumor
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 x .. Lesion present
 I .. Insufficient tissue

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 CAS Number: 31508-00-6

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 Time Report Requested: 12:05:16
 First Dose M/F: NA / 03/26/04
 Lab: BAT

| DAY ON TEST | 0 | 0 |
|----------------------------|---|-----------------|
| | 5 | 7 |
| | 1 | 0 |
| | 2 | 1 |
| | | |
| SPRAGUE-DAWLEY RATS | 0 | 0 |
| FEMALE | 0 | 0 |
| | 0 | 0 |
| ANIMAL ID | 7 | 8 |
| 0 UG/KG | 9 | 0 |
| | | * TOTALS |

ALIMENTARY SYSTEM

| | | | |
|---|---|---|----|
| Esophagus | + | + | 51 |
| Intestine Large, Cecum | + | + | 52 |
| Intestine Large, Colon | + | + | 52 |
| Lymphoma Malignant | | | 1 |
| Schwannoma Malignant, Metastatic,
Uterus | | | 1 |
| Intestine Large, Rectum | + | + | 52 |
| Lymphoma Malignant | | | 1 |
| Intestine Small, Duodenum | + | + | 52 |
| Intestine Small, Ileum | + | + | 52 |
| Intestine Small, Jejunum | + | + | 52 |
| Lymphoma Malignant | | | 1 |
| Liver | + | + | 52 |
| Cholangioma | | | 1 |
| Histiocytic Sarcoma | | | 1 |

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 Lab: BAT

| DAY ON TEST | 0 | 0 | |
|--|---|---|-----------------|
| | 5 | 7 | |
| | 1 | 0 | |
| | 2 | 1 | |
| <hr/> | | | |
| SPRAGUE-DAWLEY RATS | 0 | 0 | |
| FEMALE | 0 | 0 | |
| | 0 | 0 | |
| ANIMAL ID | 7 | 8 | |
| 0 UG/KG | 9 | 0 | |
| | | | * TOTALS |
| Lymphoma Malignant | | | 1 |
| Schwannoma Malignant, Metastatic, Uterus | | | 1 |
| Mesentery | | | 2 |
| Oral Mucosa | | | 1 |
| Pancreas | + | + | 52 |
| Lymphoma Malignant | | | 1 |
| Schwannoma Malignant, Metastatic, Uterus | | | 1 |
| Salivary Glands | + | + | 51 |
| Stomach, Forestomach | + | + | 52 |
| Stomach, Glandular | + | + | 52 |
| Tooth | | | 10 |
| Odontoma | | | 1 |

CARDIOVASCULAR SYSTEM

| | | | |
|--------------|---|---|-----------|
| Blood Vessel | + | + | 52 |
|--------------|---|---|-----------|

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 Lab: BAT

| DAY ON TEST | | | |
|----------------------------|---|---|-----------------|
| | 0 | 0 | |
| | 5 | 7 | |
| | 1 | 0 | |
| | 2 | 1 | |
| | | | |
| SPRAGUE-DAWLEY RATS | 0 | 0 | |
| FEMALE | 0 | 0 | |
| | 0 | 0 | |
| ANIMAL ID | 7 | 8 | |
| 0 UG/KG | 9 | 0 | |
| | | | * TOTALS |
| Lymphoma Malignant | | | 1 |
| Heart | + | + | 52 |
| Lymphoma Malignant | | | 1 |

ENDOCRINE SYSTEM

| | | | |
|--------------------------------------|---|---|-----------|
| Adrenal Cortex | + | + | 52 |
| Adenoma | | | 2 |
| Carcinoma | | | 1 |
| Carcinoma, Metastatic, Thyroid Gland | | | 1 |
| Lymphoma Malignant | | | 1 |
| Adrenal Medulla | + | + | 52 |
| Pheochromocytoma Benign | X | | 3 |
| Islets, Pancreatic | + | + | 52 |
| Parathyroid Gland | + | + | 47 |
| Pituitary Gland | + | + | 52 |
| Lymphoma Malignant | | | 1 |
| Pars Distalis, Adenoma | | | 16 |
| Pars Distalis, Adenoma, Multiple | | | 1 |

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 Lab: BAT

| DAY ON TEST | 0 | 0 | |
|----------------------------|---|---|-----------------|
| | 5 | 7 | |
| | 1 | 0 | |
| | 2 | 1 | |
| <hr/> | | | |
| SPRAGUE-DAWLEY RATS | 0 | 0 | |
| FEMALE | 0 | 0 | |
| | 0 | 0 | |
| ANIMAL ID | 7 | 8 | |
| 0 UG/KG | 9 | 0 | |
| | | | * TOTALS |
| Pars Distalis, Carcinoma | X | | 2 |
| Thyroid Gland | + | + | 51 |
| C-cell, Adenoma | | | 9 |
| C-cell, Carcinoma | | | 2 |
| Follicular Cell, Adenoma | | | 1 |

GENERAL BODY SYSTEM
 NONE

GENITAL SYSTEM

| | | | |
|---------------------|---|---|-----------|
| Clitoral Gland | + | + | 52 |
| Lymphoma Malignant | | | 1 |
| Ovary | + | + | 52 |
| Histiocytic Sarcoma | | | 1 |
| Luteoma | | | 1 |
| Lymphoma Malignant | | | 1 |
| Uterus | + | + | 52 |
| Carcinoma | | | 2 |
| Polyp Stromal | | | 3 |

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| DAY ON TEST | 0 | 0 |
|----------------------------|---|-----------------|
| | 5 | 7 |
| | 1 | 0 |
| | 2 | 1 |
| | | |
| SPRAGUE-DAWLEY RATS | 0 | 0 |
| FEMALE | 0 | 0 |
| | 0 | 0 |
| ANIMAL ID | 7 | 8 |
| 0 UG/KG | 9 | 0 |
| | | * TOTALS |

| | | |
|-------------------------|--|----------|
| Schwannoma Malignant | | 1 |
| | | |
| Vagina | | 7 |
| Polyp, Multiple | | 1 |
| Squamous Cell Carcinoma | | 1 |

HEMATOPOIETIC SYSTEM

| | | | |
|------------------------|---|---|-----------|
| Bone Marrow | + | + | 52 |
| Histiocytic Sarcoma | | | 1 |
| Lymphoma Malignant | | | 1 |
| | | | |
| Lymph Node, Mandibular | + | + | 51 |
| Histiocytic Sarcoma | | | 1 |
| Lymphoma Malignant | | | 2 |
| | | | |
| Lymph Node, Mesenteric | + | + | 52 |
| Histiocytic Sarcoma | | | 1 |
| Lymphoma Malignant | | | 1 |
| | | | |
| Spleen | + | + | 52 |
| Lymphoma Malignant | | | 1 |
| | | | |
| Thymus | + | + | 51 |

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| | | | |
|---------------------|---|---|-----------------|
| DAY ON TEST | 0 | 0 | |
| | 5 | 7 | |
| | 1 | 0 | |
| | 2 | 1 | |
| | | | |
| SPRAGUE-DAWLEY RATS | 0 | 0 | |
| FEMALE | 0 | 0 | |
| | 0 | 0 | |
| ANIMAL ID | 7 | 8 | |
| 0 UG/KG | 9 | 0 | |
| | | | * TOTALS |

| | |
|--------------------|----------|
| Lymphoma Malignant | 1 |
|--------------------|----------|

INTEGUMENTARY SYSTEM

| | | | |
|---|---|---|-----------|
| Mammary Gland | + | + | 52 |
| Carcinoma | | | 2 |
| Fibroadenoma | | | 16 |
| Fibroadenoma, Multiple | | X | 9 |
| Histiocytic Sarcoma | | | 1 |
| Lymphoma Malignant | | | 1 |
| | | | |
| Skin | + | + | 52 |
| Fibroma | | | 2 |
| Hemangiosarcoma | | | 1 |
| Keratoacanthoma | | | 1 |
| Schwannoma Malignant | | | 1 |
| Subcutaneous Tissue, Schwannoma Malignant, Metastatic, Uterus | | | 1 |

MUSCULOSKELETAL SYSTEM

| | | | |
|------|---|---|-----------|
| Bone | + | + | 52 |
|------|---|---|-----------|

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 + .. Tissue examined microscopically
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| DAY ON TEST | 0 | 0 |
|----------------------------|---|-----------------|
| | 5 | 7 |
| | 1 | 0 |
| | 2 | 1 |
| | | |
| SPRAGUE-DAWLEY RATS | 0 | 0 |
| FEMALE | 0 | 0 |
| | 0 | 0 |
| ANIMAL ID | 7 | 8 |
| 0 UG/KG | 9 | 0 |
| | | * TOTALS |

NERVOUS SYSTEM

| | | | |
|--|---|---|-----------|
| Brain | + | + | 52 |
| Carcinoma, Metastatic, Pituitary Gland | X | | 2 |
| Lymphoma Malignant | | | 1 |

RESPIRATORY SYSTEM

| | | | |
|--------------------------------------|---|---|-----------|
| Lung | + | + | 51 |
| Carcinoma, Metastatic, Thyroid Gland | | | 1 |
| Histiocytic Sarcoma | | | 1 |
| Lymphoma Malignant | | | 1 |
| Nose | + | + | 52 |
| Lymphoma Malignant | | | 1 |
| Trachea | + | + | 51 |
| Lymphoma Malignant | | | 1 |

SPECIAL SENSES SYSTEM

| | | | |
|--------------------|---|---|-----------|
| Eye | + | + | 52 |
| Lymphoma Malignant | | | 1 |

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| DAY ON TEST | | 0 | 0 |
|----------------------------|--|---|-----------------|
| | | 5 | 7 |
| | | 1 | 0 |
| | | 2 | 1 |
| | | | |
| SPRAGUE-DAWLEY RATS | | 0 | 0 |
| FEMALE | | 0 | 0 |
| 0 UG/KG | | 0 | 0 |
| ANIMAL ID | | 7 | 8 |
| | | 9 | 0 |
| | | | * TOTALS |

| | | | |
|--------------------|---|---|-----------|
| Harderian Gland | + | + | 52 |
| Lymphoma Malignant | | | 1 |

URINARY SYSTEM

| | | | |
|---------------------|---|---|-----------|
| Kidney | + | + | 52 |
| Histiocytic Sarcoma | | | 1 |
| Lymphoma Malignant | | | 1 |
| Urinary Bladder | + | + | 52 |

SYSTEMIC LESIONS

| | | | |
|---------------------|---|---|-----------|
| Multiple Organ | + | + | 52 |
| Histiocytic Sarcoma | | | 1 |
| Lymphoma Malignant | | | 2 |

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|---------------------------------------|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0 | 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 | 3 | 6 | 2 | 6 | 7 | 7 | 6 | 3 | 6 | 7 | 3 | 5 | 7 | 7 | 7 | 4 | 4 | 7 | 7 | 6 | 7 | 6 |
| | 2 | 3 | 3 | 0 | 0 | 6 | 7 | 3 | 3 | 0 | 4 | 6 | 0 | 8 | 7 | 3 | 3 | 3 | 9 | 8 | 3 | 3 | 2 | 0 | 0 |
| | 8 | 3 | 7 | 2 | 8 | 5 | 4 | 3 | 4 | 2 | 1 | 5 | 6 | 6 | 1 | 3 | 3 | 3 | 5 | 4 | 4 | 3 | 0 | 8 | 2 |
| SPRAGUE-DAWLEY 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 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| 100 UG/KG | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| | 2 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |

females (cont...)

ALIMENTARY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | |
|---------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Esophagus | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Large, Cecum | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Large, Colon | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Lymphoma Malignant | | | X | | | | | | | | | | | | | | | | | | | | | |
| Intestine Large, Rectum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Small, Duodenum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Small, Ileum | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Small, Jejunum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Liver | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Hepatocellular Adenoma | | | | | | | | X | | | | | | | | | | | | | | | | |
| Mesentery | | | | | | | | | | | | | | | | | | | | | | | | |
| Fibroma | | | | | | | | | | | | | | | | | | | | | | | | |
| Pancreas | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Lymphoma Malignant | | | X | | | | | | | | | | | | | | | | | | | | | |

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+ .. Tissue examined microscopically
x .. Lesion present
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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0 | 7 | 6 | 3 | 6 | 2 | 6 | 7 | 7 | 6 | 3 | 6 | 7 | 3 | 5 | 7 | 7 | 7 | 4 | 4 | 7 | 7 | 6 | 7 | 6 |
| | 2 | 3 | 3 | 0 | 0 | 6 | 7 | 3 | 3 | 0 | 4 | 6 | 0 | 8 | 7 | 3 | 3 | 3 | 9 | 8 | 3 | 3 | 2 | 0 | 0 |
| | 8 | 3 | 7 | 2 | 8 | 5 | 4 | 3 | 4 | 2 | 1 | 5 | 6 | 6 | 1 | 3 | 3 | 3 | 5 | 4 | 4 | 3 | 0 | 8 | 2 |
| SPRAGUE-DAWLEY RATS
FEMALE
100 UG/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 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| | 2 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |

females
(cont...)

| | | | | | | | | | | | | | | | | | | | | | | | | |
|----------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Salivary Glands | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Lymphoma Malignant | | | | X | | | | | | | | | | | | | | | | | | | | |
| Stomach, Forestomach | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Stomach, Glandular | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Adenoma | | | | | | | | | | | | | | | | | | | | | | | | |
| Lymphoma Malignant | | | | X | | | | | | | | | | | | | | | | | | | | |
| Sarcoma | | | | | | | | | | | | | | | | | | | | | | | | |
| Tooth | | + | | | | | + | | | | | | | | | | | | + | | | | | |

CARDIOVASCULAR SYSTEM

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

ENDOCRINE SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | |
|--------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Adrenal Cortex | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Adenoma | | | | | | | | | | | | | | | | X | | | | | | | | |
| Lymphoma Malignant | | | X | | | | | | | | | | | | | | | | | | | | | |

* .. Total animals with tissue examined microscopically; Total animals with tumor
+ .. Tissue examined microscopically
x .. Lesion present
I .. Insufficient tissue

M .. Missing tissue
A .. Autolysis precludes evaluation
BLANK .. Not examined microscopically

TDMS No. 20304 - 01
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/SD

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 TEF evaluation (PCB 118)
 CAS Number: 31508-00-6

Date Report Requested: 06/26/2008
 Time Report Requested: 12:05:16
 First Dose M/F: NA / 03/26/04
 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 | 3 | 6 | 2 | 6 | 7 | 7 | 6 | 3 | 6 | 7 | 3 | 5 | 7 | 7 | 7 | 4 | 4 | 7 | 7 | 6 | 7 | 6 |
| | 2 | 3 | 3 | 0 | 0 | 6 | 7 | 3 | 3 | 0 | 4 | 6 | 0 | 8 | 7 | 3 | 3 | 3 | 9 | 8 | 3 | 3 | 2 | 0 | 0 |
| | 8 | 3 | 7 | 2 | 8 | 5 | 4 | 3 | 4 | 2 | 1 | 5 | 6 | 6 | 1 | 3 | 3 | 3 | 5 | 4 | 4 | 3 | 0 | 8 | 2 |
| SPRAGUE-DAWLEY 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 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| 100 UG/KG | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| ANIMAL ID | 2 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |

females (cont...)

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|--------------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Adrenal Medulla | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Pheochromocytoma Benign | | | | | | | | | | | | | | | | | | | | | | | | | X |
| Islets, Pancreatic | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Adenoma | | | | | | | | | | | | | | | | | | | | | | | | | |
| Parathyroid Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + |
| Carcinoma, Metastatic, Thyroid Gland | | | | | | | | | | | | | | | | | | | | | | | | | X |
| Pituitary Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Lymphoma Malignant | | | X | | | | | | | | | | | | | | | | | | | | | | |
| Pars Distalis, Adenoma | | X | | | X | | | | | | | X | X | | | X | X | X | | | X | | X | X | |
| Pars Distalis, Carcinoma | | | | | | | X | | | | | | | | | | | | | | | | | | |
| Thyroid Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Lymphoma Malignant | | | X | | | | | | | | | | | | | | | | | | | | | | |
| C-cell, Adenoma | | | | | | | X | | | | | | | | | | X | | | | | | | | |
| C-cell, Carcinoma | | | | | | | | | | | | | | | | | | | | | | | | X | |
| Follicular Cell, Adenoma | | | | | | | | | | | | | | | | | | | | | X | | | | |

GENERAL BODY SYSTEM
 NONE

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 x .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

TDMS No. 20304 - 01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/SD

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
TEF evaluation (PCB 118)
CAS Number: 31508-00-6

Date Report Requested: 06/26/2008
Time Report Requested: 12:05:16
First Dose M/F: NA / 03/26/04
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 | 3 | 6 | 2 | 6 | 7 | 7 | 6 | 3 | 6 | 7 | 3 | 5 | 7 | 7 | 7 | 4 | 4 | 7 | 7 | 6 | 7 | 6 |
| | 2 | 3 | 3 | 0 | 0 | 6 | 7 | 3 | 3 | 0 | 4 | 6 | 0 | 8 | 7 | 3 | 3 | 3 | 9 | 8 | 3 | 3 | 2 | 0 | 0 |
| | 8 | 3 | 7 | 2 | 8 | 5 | 4 | 3 | 4 | 2 | 1 | 5 | 6 | 6 | 1 | 3 | 3 | 3 | 5 | 4 | 4 | 3 | 0 | 8 | 2 |

SPRAGUE-DAWLEY RATS
FEMALE
100 UG/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 |
| 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 2 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |

females
(cont...)

GENITAL SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|----------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Clitoral Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Carcinoma | | | | | | | | | | | | | | | | | | | | | | | | | X |
| Ovary | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | | | | | | | | | X |
| Uterus | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Carcinoma | | | | | | | | | | | | | | | | | | | | | | | | | X |
| Polyp Stromal | | | | | | | | | | | | | | | | | | | | | | | | | X |
| Schwannoma Malignant | | | | | | | | | | | | | | | | | | | | | | | | | X |

HEMATOPOIETIC SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|---------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Bone Marrow | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | | | | | | | | | X |
| Lymph Node | | | | | | | | | | | | | | | | | | | | | | | | | + |
| Mediastinal, Lymphoma Malignant | | | | | | | | | | | | | | | | | | | | | | | | | X |
| Pancreatic, Lymphoma Malignant | | | | | | | | | | | | | | | | | | | | | | | | | X |
| Lymph Node, Mandibular | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |

* .. Total animals with tissue examined microscopically; Total animals with tumor
+ .. Tissue examined microscopically
x .. Lesion present
I .. Insufficient tissue

M .. Missing tissue
A .. Autolysis precludes evaluation
BLANK .. Not examined microscopically

TDMS No. 20304 - 01
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/SD

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 TEF evaluation (PCB 118)
 CAS Number: 31508-00-6

Date Report Requested: 06/26/2008
 Time Report Requested: 12:05:16
 First Dose M/F: NA / 03/26/04
 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 | 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 | 3 | 6 | 2 | 6 | 7 | 7 | 6 | 3 | 6 | 7 | 3 | 5 | 7 | 7 | 7 | 4 | 4 | 7 | 7 | 6 | 7 | 6 |
| | 2 | 3 | 3 | 0 | 0 | 6 | 7 | 3 | 3 | 0 | 4 | 6 | 0 | 8 | 7 | 3 | 3 | 3 | 9 | 8 | 3 | 3 | 2 | 0 | 0 |
| | 8 | 3 | 7 | 2 | 8 | 5 | 4 | 3 | 4 | 2 | 1 | 5 | 6 | 6 | 1 | 3 | 3 | 3 | 5 | 4 | 4 | 3 | 0 | 8 | 2 |

| | 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 | |
| SPRAGUE-DAWLEY RATS | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 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 |
| 100 UG/KG | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| | 2 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
| Lymphoma Malignant | | | | X | | | | | | | | | | | | | | | | | | | | | |
| Lymph Node, Mesenteric | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Lymphoma Malignant | | | X | | | | | | | | | | | | | | | | | | | | | | |
| Spleen | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Lymphoma Malignant | | | X | | | | | | | | | | | | | | | | | | | | | | |
| Thymus | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Lymphoma Malignant | | | X | | | | | | | | | | | | | | | | | | | | | | |
| Thymoma Malignant | | | | | | | | | | | | | | | | | | | | | | | | | |

females (cont...)

INTEGUMENTARY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Mammary Gland | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Carcinoma | | X | | | | | | | | X | | | | X | | | | | | | | | | | |
| Fibroadenoma | | | | | | X | | | X | | | X | | X | | | X | X | | | | | X | | |
| Fibroadenoma, Multiple | | | | | | | X | X | | | | | | | X | | | | X | X | | | | X | |
| Lymphoma Malignant | | | X | | | | | | | | | | | | | | | | | | | | | | |
| Skin | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Keratoacanthoma | | | | | | | | | | | | | | | | | | | | | | | | | |
| Schwannoma Malignant | | | | | | | | | | | | | | | | | | X | | | | | | | |

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 x .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 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 | 3 | 6 | 2 | 6 | 7 | 7 | 6 | 3 | 6 | 7 | 3 | 5 | 7 | 7 | 7 | 4 | 4 | 7 | 7 | 6 | 7 | 6 |
| | 2 | 3 | 3 | 0 | 0 | 6 | 7 | 3 | 3 | 0 | 4 | 6 | 0 | 8 | 7 | 3 | 3 | 3 | 9 | 8 | 3 | 3 | 2 | 0 | 0 |
| | 8 | 3 | 7 | 2 | 8 | 5 | 4 | 3 | 4 | 2 | 1 | 5 | 6 | 6 | 1 | 3 | 3 | 3 | 5 | 4 | 4 | 3 | 0 | 8 | 2 |
| SPRAGUE-DAWLEY RATS
FEMALE
100 UG/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 |
| | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| | 2 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |

females (cont...)

MUSCULOSKELETAL SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|----------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--|
| Bone | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Skeletal Muscle | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Schwannoma Malignant | | | | | | | | | | | | | | | | | | | | | | | | | | |

NERVOUS SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--|
| Brain | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Oligodendroglioma Malignant | | | | | | | | | | | | | | | | | | | | | | | | | | |

RESPIRATORY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--|
| Lung | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Nose | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Trachea | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | | | | | | | | | | |

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 x .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

TDMS No. 20304 - 01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/SD

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
TEF evaluation (PCB 118)
CAS Number: 31508-00-6

Date Report Requested: 06/26/2008
Time Report Requested: 12:05:16
First Dose M/F: NA / 03/26/04
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 |
|----------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0 | 7 | 6 | 3 | 6 | 2 | 6 | 7 | 7 | 6 | 3 | 6 | 7 | 3 | 5 | 7 | 7 | 7 | 4 | 4 | 7 | 7 | 6 | 7 | 6 | |
| | 2 | 3 | 3 | 0 | 0 | 6 | 7 | 3 | 3 | 0 | 4 | 6 | 0 | 8 | 7 | 3 | 3 | 3 | 9 | 8 | 3 | 3 | 2 | 0 | 0 | |
| | 8 | 3 | 7 | 2 | 8 | 5 | 4 | 3 | 4 | 2 | 1 | 5 | 6 | 6 | 1 | 3 | 3 | 3 | 5 | 4 | 4 | 3 | 0 | 8 | 2 | |
| SPRAGUE-DAWLEY RATS | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 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 | |
| 100 UG/KG | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | |
| ANIMAL ID | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | |
| | 2 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | |

females
(cont...)

SPECIAL SENSES SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|--------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Eye | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Harderian Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Lymphoma Malignant | | | | X | | | | | | | | | | | | | | | | | | | | | |

URINARY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Kidney | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Lymphoma Malignant | | | | X | | | | | | | | | | | | | | | | | | | | | |
| Mesenchymal Tumor Malignant | | | | | | | | | | | | | | | | | | | | | | | | | |
| Urinary Bladder | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |

SYSTEMIC LESIONS

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|--------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Multiple Organ | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Lymphoma Malignant | | | | X | | | | | | | | | | | | | | | | | | | | | |

* .. Total animals with tissue examined microscopically; Total animals with tumor
+ .. Tissue examined microscopically
x .. Lesion present
I .. Insufficient tissue

M .. Missing tissue
A .. Autolysis precludes evaluation
BLANK .. Not examined microscopically

TDMS No. 20304 - 01
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/SD

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 TEF evaluation (PCB 118)
 CAS Number: 31508-00-6

Date Report Requested: 06/26/2008
 Time Report Requested: 12:05:16
 First Dose M/F: NA / 03/26/04
 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 | 5 | 6 | 6 | 7 | 7 | 7 | 0 | 7 | 7 | 7 | 3 | 7 | 6 | 7 | 2 | 7 | 5 | 4 | 6 | 7 | 7 | 7 | 5 | |
| 2 | 5 | 7 | 5 | 7 | 3 | 3 | 3 | 5 | 2 | 3 | 3 | 5 | 3 | 9 | 3 | 9 | 3 | 7 | 8 | 7 | 3 | 3 | 3 | 0 | |
| 8 | 8 | 5 | 8 | 2 | 4 | 4 | 4 | 3 | 3 | 3 | 4 | 7 | 5 | 2 | 4 | 8 | 3 | 9 | 2 | 2 | 3 | 4 | 5 | 3 | |
| SPRAGUE-DAWLEY RATS | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 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 | |
| 100 UG/KG | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | |
| ANIMAL ID | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 5 | 5 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | |
| | 0 | 6 | 7 | 8 | 9 | 0 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 8 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 |
| | | | | | | | | | | | | | | | | | | | | | | | | | |

females (cont...)

ALIMENTARY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | |
|---------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Esophagus | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Large, Cecum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Large, Colon | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | | | | | | | | |
| Intestine Large, Rectum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Small, Duodenum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Small, Ileum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Small, Jejunum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Liver | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Hepatocellular Adenoma | | | | | | | | | | | | | | | | | | | | | | | | |
| Mesentery | | | | | | | | | | | | | | | | | | | | | | | | |
| Fibroma | | | | | | | | | | | | | | | | | | | | | | | | |
| Pancreas | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | | | | | | | | |

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 x .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

TDMS No. 20304 - 01
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/SD

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 TEF evaluation (PCB 118)
 CAS Number: 31508-00-6

Date Report Requested: 06/26/2008
 Time Report Requested: 12:05:16
 First Dose M/F: NA / 03/26/04
 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 | 5 | 6 | 6 | 7 | 7 | 7 | 0 | 7 | 7 | 7 | 3 | 7 | 6 | 7 | 2 | 7 | 5 | 4 | 6 | 7 | 7 | 5 | |
| | 2 | 5 | 7 | 5 | 7 | 3 | 3 | 3 | 5 | 2 | 3 | 3 | 5 | 3 | 9 | 3 | 9 | 3 | 7 | 8 | 7 | 3 | 3 | 0 | |
| | 8 | 8 | 5 | 8 | 2 | 4 | 4 | 4 | 3 | 3 | 3 | 4 | 7 | 5 | 2 | 4 | 8 | 3 | 9 | 2 | 2 | 3 | 4 | 3 | |
| SPRAGUE-DAWLEY RATS
FEMALE
100 UG/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 | |
| | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | |
| | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 5 | 5 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 6 | 7 | 7 | 7 | |
| | 0 | 6 | 7 | 8 | 9 | 0 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 8 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 |
| | | | | | | | | | | | | | | | | | | | | | | | | | |

females
(cont...)

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|----------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Salivary Glands | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Stomach, Forestomach | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Stomach, Glandular | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Adenoma | | | | | | | | | | X | | | | | | | | | | | | | | | | | | |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sarcoma | | | | | | | | | | | | | | | X | | | | | | | | | | | | | |
| Tooth | | | | | | | | | | + | | | | | | | | | | | | | | | | | | + |

CARDIOVASCULAR SYSTEM

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

ENDOCRINE SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Adrenal Cortex | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Adenoma | | | | | | | | | | | | | | | | | | | | | | | | | | | | | X |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 x .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

TDMS No. 20304 - 01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/SD

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
TEF evaluation (PCB 118)
CAS Number: 31508-00-6

Date Report Requested: 06/26/2008
Time Report Requested: 12:05:16
First Dose M/F: NA / 03/26/04
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 | 5 | 6 | 6 | 7 | 7 | 7 | 0 | 7 | 7 | 7 | 3 | 7 | 6 | 7 | 2 | 7 | 5 | 4 | 6 | 7 | 7 | 7 | 5 | |
| | 2 | 5 | 7 | 5 | 7 | 3 | 3 | 3 | 5 | 2 | 3 | 3 | 5 | 3 | 9 | 3 | 9 | 3 | 7 | 8 | 7 | 3 | 3 | 3 | 0 | |
| | 8 | 8 | 5 | 8 | 2 | 4 | 4 | 4 | 3 | 3 | 3 | 4 | 7 | 5 | 2 | 4 | 8 | 3 | 9 | 2 | 2 | 3 | 4 | 5 | 3 | |

| SPRAGUE-DAWLEY 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 | 0 |
|----------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-------------------|
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| 100 UG/KG | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 5 | 5 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| ANIMAL ID | 0 | 6 | 7 | 8 | 9 | 0 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 8 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | females (cont...) |

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--------------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Adrenal Medulla | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Pheochromocytoma Benign | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Islets, Pancreatic | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Adenoma | | X | | | | X | | | | | | | | | | | | | | | | | | | | |
| Parathyroid Gland | + | M | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | M | M | + | + | + | + | + | |
| Carcinoma, Metastatic, Thyroid Gland | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Pituitary Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Pars Distalis, Adenoma | X | X | | | | | | X | X | X | | X | X | X | | X | | | X | X | X | X | | | | |
| Pars Distalis, Carcinoma | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Thyroid Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | | | | | | | | | | |
| C-cell, Adenoma | | | | | X | X | | | | | | | | | | | | | | | | | | X | | |
| C-cell, Carcinoma | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Follicular Cell, Adenoma | | | | | | | | | | | | | | | | | | | | | | | | | | |

GENERAL BODY SYSTEM
NONE

* .. Total animals with tissue examined microscopically; Total animals with tumor
+ .. Tissue examined microscopically
x .. Lesion present
I .. Insufficient tissue

M .. Missing tissue
A .. Autolysis precludes evaluation
BLANK .. Not examined microscopically

TDMS No. 20304 - 01
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/SD

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 TEF evaluation (PCB 118)
 CAS Number: 31508-00-6

Date Report Requested: 06/26/2008
 Time Report Requested: 12:05:16
 First Dose M/F: NA / 03/26/04
 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 | 5 | 6 | 6 | 7 | 7 | 7 | 0 | 7 | 7 | 7 | 3 | 7 | 6 | 7 | 2 | 7 | 5 | 4 | 6 | 7 | 7 | 7 | 5 |
| | 2 | 5 | 7 | 5 | 7 | 3 | 3 | 3 | 5 | 2 | 3 | 3 | 5 | 3 | 9 | 3 | 9 | 3 | 7 | 8 | 7 | 3 | 3 | 3 | 0 |
| | 8 | 8 | 5 | 8 | 2 | 4 | 4 | 4 | 3 | 3 | 3 | 4 | 7 | 5 | 2 | 4 | 8 | 3 | 9 | 2 | 2 | 3 | 4 | 5 | 3 |
| SPRAGUE-DAWLEY 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 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| 100 UG/KG | 0 | 6 | 7 | 8 | 9 | 0 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 8 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 |
| ANIMAL ID | | | | | | | | | | | | | | | | | | | | | | | | | |

females (cont...)

GENITAL SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|----------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Clitoral Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Carcinoma | | | | | | | | | | | | | | | | | | | | | | | | | |
| Ovary | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | | | | | | | | | |
| Uterus | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Carcinoma | | | | | | | | | | | | | | | | | | | | | | | | | |
| Polyp Stromal | X | | | | | | | | | | | | | | | | | | | | | | | | |
| Schwannoma Malignant | | | | | | | | | | | | | | | X | | | | | | | | | | |

HEMATOPOIETIC SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|---------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Bone Marrow | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | | | | | | | | | |
| Lymph Node | | | | | | | | | | | | | | | | | | | | | | | | | |
| Mediastinal, Lymphoma Malignant | | | | | | | | | | | | | | | | | | | | | | | | | |
| Pancreatic, Lymphoma Malignant | | | | | | | | | | | | | | | | | | | | | | | | | |
| Lymph Node, Mandibular | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + |

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 x .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

TDMS No. 20304 - 01
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/SD

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 TEF evaluation (PCB 118)
 CAS Number: 31508-00-6

Date Report Requested: 06/26/2008
 Time Report Requested: 12:05:16
 First Dose M/F: NA / 03/26/04
 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 | 5 | 6 | 6 | 7 | 7 | 7 | 0 | 7 | 7 | 7 | 3 | 7 | 6 | 7 | 2 | 7 | 5 | 4 | 6 | 7 | 7 | 7 | 5 |
| ANIMAL ID | 2 | 5 | 7 | 5 | 7 | 3 | 3 | 3 | 5 | 2 | 3 | 3 | 5 | 3 | 9 | 3 | 9 | 3 | 7 | 8 | 7 | 3 | 3 | 3 | 0 |
| | 8 | 8 | 5 | 8 | 2 | 4 | 4 | 4 | 3 | 3 | 3 | 4 | 7 | 5 | 2 | 4 | 8 | 3 | 9 | 2 | 2 | 3 | 4 | 5 | 3 |
| SPRAGUE-DAWLEY RATS
FEMALE
100 UG/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 |
| | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 5 | 5 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 7 |
| | 0 | 6 | 7 | 8 | 9 | 0 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 8 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 |

females
(cont...)

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Lymphoma Malignant | | | | | | | | | | | | | | | | | | | | | | | | | |
| Lymph Node, Mesenteric | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | | | | | | | | | |
| Spleen | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | | | | | | | | | |
| Thymus | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | | | | | | | | | |
| Thymoma Malignant | | | | | | | | | | | | | | | | | | | | | | | | | |
| | X | | | | | | | | | | | | | | | | | | | | | | | | |

INTEGUMENTARY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--|--|--|--|--|
| Mammary Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | | | | | | |
| Carcinoma | X | X | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Fibroadenoma | X | X | X | X | X | X | X | | | | | | | | | | | X | X | | | | | | | | X | X | | | | | |
| Fibroadenoma, Multiple | | | | | | | | | | | X | X | | | | | | | | | | | X | X | X | X | | | | | | | |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Skin | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | | | | | | |
| Keratoacanthoma | | | | | | | | | | | | X | | | | | | | | | | | | | | | | | | | | | |
| Schwannoma Malignant | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 x .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

TDMS No. 20304 - 01
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/SD

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 TEF evaluation (PCB 118)
 CAS Number: 31508-00-6

Date Report Requested: 06/26/2008
 Time Report Requested: 12:05:16
 First Dose M/F: NA / 03/26/04
 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 | 5 | 6 | 6 | 7 | 7 | 7 | 0 | 7 | 7 | 7 | 3 | 7 | 6 | 7 | 2 | 7 | 5 | 4 | 6 | 7 | 7 | 7 | 5 |
| | | 2 | 5 | 7 | 5 | 7 | 3 | 3 | 3 | 5 | 2 | 3 | 3 | 5 | 3 | 9 | 3 | 9 | 3 | 7 | 8 | 7 | 3 | 3 | 3 | 0 |
| | | 8 | 8 | 5 | 8 | 2 | 4 | 4 | 4 | 3 | 3 | 3 | 4 | 7 | 5 | 2 | 4 | 8 | 3 | 9 | 2 | 2 | 3 | 4 | 5 | 3 |
| SPRAGUE-DAWLEY RATS | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 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 |
| | ANIMAL ID | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| 100 UG/KG | | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 5 | 5 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 6 | 7 | 7 | 7 | 7 |
| | | 0 | 6 | 7 | 8 | 9 | 0 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 8 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 |

females (cont...)

MUSCULOSKELETAL SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|----------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--|
| Bone | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Skeletal Muscle | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Schwannoma Malignant | | | | | | | | | | | | | | | | | | | | | | | | | | |

NERVOUS SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Brain | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Oligodendroglioma Malignant | | | | | | | | | | | | | | | | | | | | | | | | | | |

RESPIRATORY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Lung | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Nose | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Trachea | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | | | | | | | | | | |

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 x .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

TDMS No. 20304 - 01
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/SD

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 TEF evaluation (PCB 118)
 CAS Number: 31508-00-6

Date Report Requested: 06/26/2008
 Time Report Requested: 12:05:16
 First Dose M/F: NA / 03/26/04
 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 | 5 | 6 | 6 | 7 | 7 | 7 | 0 | 7 | 7 | 7 | 3 | 7 | 6 | 7 | 2 | 7 | 5 | 4 | 6 | 7 | 7 | 7 | 5 |
| | 2 | 5 | 7 | 5 | 7 | 3 | 3 | 3 | 5 | 2 | 3 | 3 | 5 | 3 | 9 | 3 | 9 | 3 | 7 | 8 | 7 | 3 | 3 | 3 | 0 |
| | 8 | 8 | 5 | 8 | 2 | 4 | 4 | 4 | 3 | 3 | 3 | 4 | 7 | 5 | 2 | 4 | 8 | 3 | 9 | 2 | 2 | 3 | 4 | 5 | 3 |
| SPRAGUE-DAWLEY RATS | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 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 |
| 100 UG/KG | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| ANIMAL ID | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 5 | 5 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 7 |
| | 0 | 6 | 7 | 8 | 9 | 0 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 8 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 |

females
(cont...)

SPECIAL SENSES SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|--------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Eye | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Harderian Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | | | | | | | | | |

URINARY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Kidney | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | | | | | | | | | |
| Mesenchymal Tumor Malignant | | | | | | | | | | | | | | | | | | | | | | | | | X |
| Urinary Bladder | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |

SYSTEMIC LESIONS

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|--------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Multiple Organ | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | | | | | | | | | |

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 x .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

TDMS No. 20304 - 01
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/SD

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 TEF evaluation (PCB 118)
 CAS Number: 31508-00-6

Date Report Requested: 06/26/2008
 Time Report Requested: 12:05:16
 First Dose M/F: NA / 03/26/04
 Lab: BAT

| DAY ON TEST | | 0 | 0 |
|-------------------------------|--|---|-----------------|
| | | 5 | 7 |
| | | 7 | 3 |
| | | 1 | 3 |
| | | | |
| SPRAGUE-DAWLEY RATS
FEMALE | | 0 | 0 |
| | | 0 | 0 |
| | | 3 | 3 |
| | | 7 | 7 |
| | | 4 | 5 |
| 100 UG/KG | | | |
| | | | * TOTALS |

ALIMENTARY SYSTEM

| | | | |
|---------------------------|---|---|----|
| Esophagus | + | + | 52 |
| Intestine Large, Cecum | + | + | 51 |
| Intestine Large, Colon | + | + | 52 |
| Lymphoma Malignant | | | 1 |
| Intestine Large, Rectum | + | + | 52 |
| Intestine Small, Duodenum | + | + | 52 |
| Intestine Small, Ileum | + | + | 51 |
| Intestine Small, Jejunum | + | + | 52 |
| Liver | + | + | 51 |
| Hepatocellular Adenoma | | | 1 |
| Mesentery | | | 1 |
| Fibroma | | | 1 |
| Pancreas | + | + | 52 |
| Lymphoma Malignant | | | 1 |

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 x .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

TDMS No. 20304 - 01
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 First Dose M/F: NA / 03/26/04
 Lab: BAT

| DAY ON TEST | | 0 | 0 |
|-------------------------------|--|---|-----------------|
| | | 5 | 7 |
| | | 7 | 3 |
| | | 1 | 3 |
| | | | |
| SPRAGUE-DAWLEY RATS
FEMALE | | 0 | 0 |
| | | 0 | 0 |
| | | 3 | 3 |
| | | 7 | 7 |
| | | 4 | 5 |
| 100 UG/KG | | | |
| | | | * TOTALS |

| | | | |
|----------------------|---|---|----|
| Salivary Glands | + | + | 51 |
| Lymphoma Malignant | | | 1 |
| | | | |
| Stomach, Forestomach | + | + | 52 |
| | | | |
| Stomach, Glandular | + | + | 52 |
| Adenoma | | | 1 |
| Lymphoma Malignant | | | 1 |
| Sarcoma | | | 1 |
| | | | |
| Tooth | | | 5 |

CARDIOVASCULAR SYSTEM

| | | | |
|--------------|---|---|----|
| Blood Vessel | + | + | 52 |
| | | | |
| Heart | + | + | 52 |

ENDOCRINE SYSTEM

| | | | |
|--------------------|---|---|----|
| Adrenal Cortex | + | + | 52 |
| Adenoma | | | 2 |
| Lymphoma Malignant | | | 1 |

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 x .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

TDMS No. 20304 - 01
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/SD

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
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Date Report Requested: 06/26/2008
 Time Report Requested: 12:05:16
 First Dose M/F: NA / 03/26/04
 Lab: BAT

| DAY ON TEST | 0 | 0 | 5 | 7 | 7 | 3 | 1 | 3 |
|----------------------------|---|---|---|---|---|---|---|-----------------|
| <hr/> | | | | | | | | |
| SPRAGUE-DAWLEY RATS | 0 | 0 | 0 | 0 | 3 | 3 | 7 | 7 |
| FEMALE | 0 | 0 | 0 | 0 | 3 | 3 | 7 | 7 |
| 100 UG/KG | 0 | 0 | 0 | 0 | 3 | 3 | 7 | 7 |
| ANIMAL ID | 0 | 0 | 0 | 0 | 3 | 3 | 7 | 7 |
| | 4 | 5 | | | | | | |
| | | | | | | | | * TOTALS |

| | | | | | | | | | |
|--------------------------------------|---|---|--|--|---|--|--|--|-----------|
| Adrenal Medulla | + | + | | | | | | | 52 |
| Pheochromocytoma Benign | | | | | | | | | 1 |
| Islets, Pancreatic | + | + | | | | | | | 52 |
| Adenoma | | | | | | | | | 2 |
| Parathyroid Gland | + | M | | | | | | | 46 |
| Carcinoma, Metastatic, Thyroid Gland | | | | | | | | | 1 |
| Pituitary Gland | + | + | | | | | | | 52 |
| Lymphoma Malignant | | | | | | | | | 1 |
| Pars Distalis, Adenoma | | | | | X | | | | 24 |
| Pars Distalis, Carcinoma | | | | | | | | | 1 |
| Thyroid Gland | + | + | | | | | | | 51 |
| Lymphoma Malignant | | | | | | | | | 1 |
| C-cell, Adenoma | | | | | | | | | 5 |
| C-cell, Carcinoma | | | | | | | | | 1 |
| Follicular Cell, Adenoma | | | | | | | | | 1 |

GENERAL BODY SYSTEM

NONE

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 x .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

TDMS No. 20304 - 01
 Test Type: CHRONIC
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 First Dose M/F: NA / 03/26/04
 Lab: BAT

| DAY ON TEST | 0 | 0 |
|----------------------------|---|-----------------|
| | 5 | 7 |
| | 7 | 3 |
| | 1 | 3 |
| <hr/> | | |
| SPRAGUE-DAWLEY RATS | 0 | 0 |
| FEMALE | 0 | 0 |
| | 3 | 3 |
| ANIMAL ID | 7 | 7 |
| 100 UG/KG | 4 | 5 |
| | | * TOTALS |

GENITAL SYSTEM

| | | | |
|----------------------|---|---|-----------|
| Clitoral Gland | + | + | 52 |
| Carcinoma | | | 1 |
| Ovary | + | + | 52 |
| Lymphoma Malignant | | | 1 |
| Uterus | + | + | 52 |
| Carcinoma | | | 2 |
| Polyp Stromal | | | 6 |
| Schwannoma Malignant | | | 1 |

HEMATOPOIETIC SYSTEM

| | | | |
|---------------------------------|---|---|-----------|
| Bone Marrow | + | + | 52 |
| Lymphoma Malignant | | | 1 |
| Lymph Node | + | | 2 |
| Mediastinal, Lymphoma Malignant | | | 1 |
| Pancreatic, Lymphoma Malignant | | | 1 |
| Lymph Node, Mandibular | + | + | 51 |

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 x .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
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 BLANK .. Not examined microscopically

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 First Dose M/F: NA / 03/26/04
 Lab: BAT

| DAY ON TEST | | 0 | 0 | |
|-----------------------------|--|---|---|-----------------|
| | | 5 | 7 | |
| | | 7 | 3 | |
| | | 1 | 3 | |
| SPRAGUE-DAWLEY RATS | | 0 | 0 | |
| FEMALE | | 0 | 0 | |
| | | 3 | 3 | |
| ANIMAL ID | | 7 | 7 | |
| 100 UG/KG | | 4 | 5 | |
| | | | | * TOTALS |
| Lymphoma Malignant | | | | 1 |
| Lymph Node, Mesenteric | | | | 51 |
| | | + | + | 1 |
| Lymphoma Malignant | | | | 1 |
| Spleen | | | | 52 |
| | | + | + | 1 |
| Lymphoma Malignant | | | | 1 |
| Thymus | | | | 51 |
| | | + | + | 1 |
| Lymphoma Malignant | | | | 1 |
| Thymoma Malignant | | | | 1 |
| INTEGUMENTARY SYSTEM | | | | |
| Mammary Gland | | | | 51 |
| | | + | + | 6 |
| Carcinoma | | | | 18 |
| | | X | | 11 |
| Fibroadenoma | | | | 1 |
| Fibroadenoma, Multiple | | | | 51 |
| Lymphoma Malignant | | | | 1 |
| Skin | | | | 51 |
| | | + | + | 1 |
| Keratoacanthoma | | | | 1 |
| Schwannoma Malignant | | | | 1 |

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 x .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
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 First Dose M/F: NA / 03/26/04
 Lab: BAT

| DAY ON TEST | | 0 | 0 |
|-------------------------------|--|---|-----------------|
| | | 5 | 7 |
| | | 7 | 3 |
| | | 1 | 3 |
| | | | |
| SPRAGUE-DAWLEY RATS
FEMALE | | 0 | 0 |
| | | 0 | 0 |
| | | 3 | 3 |
| | | 7 | 7 |
| | | 4 | 5 |
| ANIMAL ID | | | |
| 100 UG/KG | | | |
| | | | * TOTALS |

MUSCULOSKELETAL SYSTEM

| | | | |
|----------------------|---|---|-----------|
| Bone | + | + | 52 |
| Skeletal Muscle | | | 1 |
| Schwannoma Malignant | | | 1 |

NERVOUS SYSTEM

| | | | |
|-----------------------------|---|---|-----------|
| Brain | + | + | 52 |
| Lymphoma Malignant | | | 1 |
| Oligodendroglioma Malignant | | | 1 |

RESPIRATORY SYSTEM

| | | | |
|--------------------|---|---|-----------|
| Lung | + | + | 52 |
| Lymphoma Malignant | | | 1 |
| Nose | + | + | 52 |
| Trachea | + | + | 52 |
| Lymphoma Malignant | | | 1 |

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 x .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

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 Time Report Requested: 12:05:16
 First Dose M/F: NA / 03/26/04
 Lab: BAT

| | | | |
|---------------------|---|---|-----------------|
| DAY ON TEST | 0 | 0 | |
| | 5 | 7 | |
| | 7 | 3 | |
| | 1 | 3 | |
| | | | |
| SPRAGUE-DAWLEY RATS | 0 | 0 | |
| FEMALE | 0 | 0 | |
| | 3 | 3 | |
| ANIMAL ID | 7 | 7 | |
| 100 UG/KG | 4 | 5 | |
| | | | * TOTALS |

SPECIAL SENSES SYSTEM

| | | | |
|--------------------|---|---|-----------|
| Eye | + | + | 52 |
| Harderian Gland | + | + | 52 |
| Lymphoma Malignant | | | 1 |

URINARY SYSTEM

| | | | |
|-----------------------------|---|---|-----------|
| Kidney | + | + | 52 |
| Lymphoma Malignant | | | 1 |
| Mesenchymal Tumor Malignant | | | 1 |
| Urinary Bladder | + | + | 52 |

SYSTEMIC LESIONS

| | | | |
|--------------------|---|---|-----------|
| Multiple Organ | + | + | 52 |
| Lymphoma Malignant | | | 1 |

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 x .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

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Date Report Requested: 06/26/2008
 Time Report Requested: 12:05:16
 First Dose M/F: NA / 03/26/04
 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 |
|----------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 6 | 5 | 7 | 3 | 7 | 7 | 7 | 1 | 7 | 1 | 1 | 7 | 6 | 7 | 4 | 6 | 7 | 7 | 6 | 4 | 5 | 5 | 4 | 4 | 7 |
| | 9 | 7 | 3 | 9 | 3 | 0 | 3 | 8 | 3 | 6 | 9 | 3 | 8 | 3 | 1 | 5 | 3 | 3 | 5 | 3 | 4 | 8 | 6 | 5 | 3 |
| | 4 | 5 | 3 | 3 | 3 | 7 | 5 | 3 | 3 | 3 | 7 | 3 | 7 | 5 | 2 | 8 | 4 | 3 | 2 | 3 | 5 | 9 | 9 | 3 | 5 |
| SPRAGUE-DAWLEY RATS | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 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 |
| 220 UG/KG | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| ANIMAL ID | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 4 |
| | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 8 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 |

females
(cont...)

ALIMENTARY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|-------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Esophagus | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Large, Cecum | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | | | | | | | X | | |
| Intestine Large, Colon | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Large, Rectum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | | | | | | | | X | |
| Intestine Small, Duodenum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | | | | | | | | X | |
| Intestine Small, Ileum | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | | | | | | | | X | |
| Intestine Small, Jejunum | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | | | | | | | | X | |
| Liver | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Carcinoma, Metastatic, Uterus | | | | | | | | | | X | | | | | | | | | | | | | | | |
| Hepatocellular Adenoma | | | | | | | | | | | | | | | | | | | | | | | | | X |

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 x .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

TDMS No. 20304 - 01
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/SD

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

TEF evaluation (PCB 118)

CAS Number: 31508-00-6

Date Report Requested: 06/26/2008

Time Report Requested: 12:05:16

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

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 | | |
|----------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 6 | 5 | 7 | 3 | 7 | 7 | 7 | 1 | 7 | 1 | 1 | 7 | 6 | 7 | 4 | 6 | 7 | 7 | 6 | 4 | 5 | 5 | 4 | 7 | |
| | 9 | 7 | 3 | 9 | 3 | 0 | 3 | 8 | 3 | 6 | 9 | 3 | 8 | 3 | 1 | 5 | 3 | 3 | 5 | 3 | 4 | 8 | 6 | 5 | 3 |
| | 4 | 5 | 3 | 3 | 3 | 7 | 5 | 3 | 3 | 3 | 7 | 3 | 7 | 5 | 2 | 8 | 4 | 3 | 2 | 3 | 5 | 9 | 9 | 3 | 5 |
| SPRAGUE-DAWLEY RATS | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 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 |
| 220 UG/KG | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| ANIMAL ID | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 8 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 |

females
(cont...)

| | | | | | | | | | | | | | | | | | | | | | | | | |
|-------------------------------|---|--|--|--|--|--|--|--|--|--|--|--|---|--|--|--|--|--|--|--|--|--|--|--|
| Lymphoma Malignant | X | | | | | | | | | | | | X | | | | | | | | | | | |
| Mesentery | + | | | | | | | | | | | | | | | | | | | | | | | |
| Carcinoma, Metastatic, Uterus | X | | | | | | | | | | | | | | | | | | | | | | | |
| Schwannoma Malignant | | | | | | | | | | | | | | | | | | | | | | | | |
| Oral Mucosa | | | | | | | | | | | | | | | | | | | | | | | | |
| Squamous Cell Carcinoma | | | | | | | | | | | | | | | | | | | | | | | | |
| Pancreas | + | | | | | | | | | | | | + | | | | | | | | | | | |
| Carcinoma, Metastatic, Uterus | X | | | | | | | | | | | | | | | | | | | | | | | |
| Lymphoma Malignant | | | | | | | | | | | | | X | | | | | | | | | | | |
| Salivary Glands | + | | | | | | | | | | | | + | | | | | | | | | | | |
| Stomach, Forestomach | + | | | | | | | | | | | | + | | | | | | | | | | | |
| Lymphoma Malignant | X | | | | | | | | | | | | | | | | | | | | | | | |
| Stomach, Glandular | + | | | | | | | | | | | | + | | | | | | | | | | | |
| Lymphoma Malignant | | | | | | | | | | | | | X | | | | | | | | | | | |
| Tooth | + | | | | | | | | | | | | | | | | | | | | | | | |

CARDIOVASCULAR SYSTEM

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 x .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

TDMS No. 20304 - 01
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/SD

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 TEF evaluation (PCB 118)
 CAS Number: 31508-00-6

Date Report Requested: 06/26/2008
 Time Report Requested: 12:05:16
 First Dose M/F: NA / 03/26/04
 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 | | |
| | | 6 | 5 | 7 | 3 | 7 | 7 | 7 | 1 | 7 | 1 | 1 | 7 | 6 | 7 | 4 | 6 | 7 | 7 | 6 | 4 | 5 | 5 | 4 | 4 | 7 | |
| | | 9 | 7 | 3 | 9 | 3 | 0 | 3 | 8 | 3 | 6 | 9 | 3 | 8 | 3 | 1 | 5 | 3 | 3 | 5 | 3 | 4 | 8 | 6 | 5 | 3 | |
| | | 4 | 5 | 3 | 3 | 3 | 7 | 5 | 3 | 3 | 3 | 7 | 3 | 7 | 5 | 2 | 8 | 4 | 3 | 2 | 3 | 5 | 9 | 9 | 3 | 5 | |
| SPRAGUE-DAWLEY RATS
FEMALE
220 UG/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 | |
| | | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| | | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 4 |
| | | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 8 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | |

females
(cont...)

Blood Vessel

+ +

Heart

+ +

Lymphoma Malignant

X

ENDOCRINE SYSTEM

Adrenal Cortex

+ +

Adrenal Medulla

+ +

Pheochromocytoma Benign

X X

Pheochromocytoma Complex

X

Pheochromocytoma Malignant

X

Islets, Pancreatic

+ +

Adenoma

Carcinoma

X

Parathyroid Gland

M + + + + + + + + + + + + + M + + + + + + + + + + +

Pituitary Gland

+ +

Pars Distalis, Adenoma

X X

X X X

X

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 x .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

TDMS No. 20304 - 01
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/SD

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 TEF evaluation (PCB 118)
 CAS Number: 31508-00-6

Date Report Requested: 06/26/2008
 Time Report Requested: 12:05:16
 First Dose M/F: NA / 03/26/04
 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 | |
| | 6 | 5 | 7 | 3 | 7 | 7 | 7 | 1 | 7 | 1 | 1 | 7 | 6 | 7 | 4 | 6 | 7 | 7 | 6 | 4 | 5 | 5 | 4 | 4 | 7 |
| | 9 | 7 | 3 | 9 | 3 | 0 | 3 | 8 | 3 | 6 | 9 | 3 | 8 | 3 | 1 | 5 | 3 | 3 | 5 | 3 | 4 | 8 | 6 | 5 | 3 |
| | 4 | 5 | 3 | 3 | 3 | 7 | 5 | 3 | 3 | 3 | 7 | 3 | 7 | 5 | 2 | 8 | 4 | 3 | 2 | 3 | 5 | 9 | 9 | 3 | 5 |
| SPRAGUE-DAWLEY 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 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| 220 UG/KG | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 4 |
| | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 8 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 |

females
(cont...)

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|--------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Thyroid Gland | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Bilateral, Adenoma | | | | | X | | | | | | | | | | | | | | | | | | | | |
| C-cell, Adenoma | | | | | | X | X | | | | | X | | | | X | | | | | | | | | |

GENERAL BODY SYSTEM
 NONE

GENITAL SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|---------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Clitoral Gland | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Ovary | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Carcinoma, Metastatic, Uterus | | | | | X | | | | | | | | | | | | | | | | | | | | |
| Granulosa-Theca Tumor Malignant | | | | | | | | | | | | | | | | | | | | | | | | | |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | | | | | | | | X | |
| Uterus | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Carcinoma | | | | | | | | | | | | | | | | | | | | | | | | | |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | | | | | | | | X | |
| Polyp Stromal | | | | | | X | | | | | | | | X | | | | | | | | | | | |
| Squamous Cell Carcinoma | | | | | | | X | | | | | | | | | | | | | | | | | | |
| Bilateral, Polyp Stromal | | | | | | | | | | | | | | | | | | | | | | | | | |

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 x .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

TDMS No. 20304 - 01
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/SD

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 TEF evaluation (PCB 118)
 CAS Number: 31508-00-6

Date Report Requested: 06/26/2008
 Time Report Requested: 12:05:16
 First Dose M/F: NA / 03/26/04
 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 |
|---------------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 6 | 5 | 7 | 3 | 7 | 7 | 7 | 1 | 7 | 1 | 1 | 7 | 6 | 7 | 4 | 6 | 7 | 7 | 6 | 4 | 5 | 5 | 4 | 4 | 7 |
| | 9 | 7 | 3 | 9 | 3 | 0 | 3 | 8 | 3 | 6 | 9 | 3 | 8 | 3 | 1 | 5 | 3 | 3 | 5 | 3 | 4 | 8 | 6 | 5 | 3 |
| | 4 | 5 | 3 | 3 | 3 | 7 | 5 | 3 | 3 | 3 | 7 | 3 | 7 | 5 | 2 | 8 | 4 | 3 | 2 | 3 | 5 | 9 | 9 | 3 | 5 |
| SPRAGUE-DAWLEY 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 |
| 220 UG/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 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 4 |
| | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 8 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 |

females
(cont...)

HEMATOPOIETIC SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|--------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Bone Marrow | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Lymphoma Malignant | | | | | | | | | | X | | | | | | | | | | | | | | | |
| Lymph Node | | | | | | | | | | | | | | | | | | | | | | | | | + |
| Lumbar, Lymphoma Malignant | | | | | | | | | | | | | | | | | | | | | | | | | X |
| Pancreatic, Lymphoma Malignant | | | | | | | | | | | | | | | | | | | | | | | | | X |
| Lymph Node, Mandibular | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Lymphoma Malignant | | | | | | | | | | X | | | | | | | | | | | | | | X | |
| Lymph Node, Mesenteric | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Lymphoma Malignant | | | | | | | | | | X | | | | | | | | | | | | | | X | |
| Spleen | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Carcinoma, Metastatic, Uterus | | | | | | | X | | | | | | | | | | | | | | | | | | |
| Lymphoma Malignant | | | | | | | | | | X | | | | | | | | | | | | | X | | |
| Thymus | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + |
| Lymphoma Malignant | | | | | | | | | | X | | | | | | | | | | | | | X | | |

INTEGUMENTARY SYSTEM

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 x .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

TDMS No. 20304 - 01
Test Type: CHRONIC
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P04: NEOPLASMS BY INDIVIDUAL ANIMAL

TEF evaluation (PCB 118)

CAS Number: 31508-00-6

Date Report Requested: 06/26/2008

Time Report Requested: 12:05:16

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

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 |
|----------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--------------------------|
| | 6 | 5 | 7 | 3 | 7 | 7 | 7 | 1 | 7 | 1 | 1 | 7 | 6 | 7 | 4 | 6 | 7 | 7 | 6 | 4 | 5 | 5 | 4 | 4 | 7 |
| | 9 | 7 | 3 | 9 | 3 | 0 | 3 | 8 | 3 | 6 | 9 | 3 | 8 | 3 | 1 | 5 | 3 | 3 | 5 | 3 | 4 | 8 | 6 | 5 | 3 |
| | 4 | 5 | 3 | 3 | 3 | 7 | 5 | 3 | 3 | 3 | 7 | 3 | 7 | 5 | 2 | 8 | 4 | 3 | 2 | 3 | 5 | 9 | 9 | 3 | 5 |
| SPRAGUE-DAWLEY RATS | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 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 |
| 220 UG/KG | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| ANIMAL ID | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 4 |
| | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 8 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 |
| | | | | | | | | | | | | | | | | | | | | | | | | | females (cont...) |

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Mammary Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Adenoma | | | | | | | | | | | | | | | | | | | | | | | | | X |
| Carcinoma | | | | X | | | X | | | | X | | | | | | | X | | | | | | X | |
| Fibroadenoma | | X | X | | | | X | | | | | | | X | X | X | | | | | | | | | X |
| Fibroadenoma, Multiple | X | | | | X | | | | | | | X | | | | | | | | | | X | | | |
| Lymphoma Malignant | | | | | | | | | | X | | | | | | | | | | | | | | | |

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|---------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Skin | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Fibroma | | | | | | | | | | | | | | | | | | | | | | | | | |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | | | | | | | | | X |
| Pinna, Neural Crest Tumor | | | | | | | | | | | | | | | | | | | | | | | | | |

MUSCULOSKELETAL SYSTEM

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

NERVOUS SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|----------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Brain | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Ependymoma Malignant | | | | | | | | | | | | | | | | | | | | | | | | | |
| Spinal Cord | | | | | | | | | | | | | | | | | | | | | | | | | + |

* .. Total animals with tissue examined microscopically; Total animals with tumor
+ .. Tissue examined microscopically
x .. Lesion present
I .. Insufficient tissue

M .. Missing tissue
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TDMS No. 20304 - 01
 Test Type: CHRONIC
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 Species/Strain: RATS/SD

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
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 CAS Number: 31508-00-6

Date Report Requested: 06/26/2008
 Time Report Requested: 12:05:16
 First Dose M/F: NA / 03/26/04
 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 | |
|-----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 6 | 5 | 7 | 3 | 7 | 7 | 7 | 1 | 7 | 1 | 1 | 7 | 6 | 7 | 4 | 6 | 7 | 7 | 6 | 4 | 5 | 5 | 4 | 4 | 7 |
| | 9 | 7 | 3 | 9 | 3 | 0 | 3 | 8 | 3 | 6 | 9 | 3 | 8 | 3 | 1 | 5 | 3 | 3 | 5 | 3 | 4 | 8 | 6 | 5 | 3 |
| | 4 | 5 | 3 | 3 | 3 | 7 | 5 | 3 | 3 | 3 | 7 | 3 | 7 | 5 | 2 | 8 | 4 | 3 | 2 | 3 | 5 | 9 | 9 | 3 | 5 |
| SPRAGUE-DAWLEY 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 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 220 UG/KG | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| ANIMAL ID | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 4 |
| | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 8 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 |

females (cont...)

Schwannoma Malignant X

RESPIRATORY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | |
|--------------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Lung | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Carcinoma, Metastatic, Mammary Gland | | | | | | | | | | | | | | X | | | | | | | | | | |
| Carcinoma, Metastatic, Uterus | | | | | | | | | | | | | | | | | | | | | | | | |
| Lymphoma Malignant | | | | | | | | | | | | | | X | | | | | | | | | X | |

| | | | | | | | | | | | | | | | | | | | | | | | | |
|------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Nose | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
|------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|

| | | | | | | | | | | | | | | | | | | | | | | | | |
|---------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Trachea | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
|---------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|

SPECIAL SENSES SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Eye | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Harderian Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |

URINARY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | |
|-------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Kidney | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Carcinoma, Metastatic, Uterus | | | | | | | | | | | | | | | | | | | | | | | | X |

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 x .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

TDMS No. 20304 - 01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/SD

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

TEF evaluation (PCB 118)

CAS Number: 31508-00-6

Date Report Requested: 06/26/2008

Time Report Requested: 12:05:16

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

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 | |
| | 6 | 5 | 7 | 3 | 7 | 7 | 7 | 1 | 7 | 1 | 1 | 7 | 6 | 7 | 4 | 6 | 7 | 7 | 6 | 4 | 5 | 5 | 4 | 4 | 7 |
| | 9 | 7 | 3 | 9 | 3 | 0 | 3 | 8 | 3 | 6 | 9 | 3 | 8 | 3 | 1 | 5 | 3 | 3 | 5 | 3 | 4 | 8 | 6 | 5 | 3 |
| | 4 | 5 | 3 | 3 | 3 | 7 | 5 | 3 | 3 | 3 | 7 | 3 | 7 | 5 | 2 | 8 | 4 | 3 | 2 | 3 | 5 | 9 | 9 | 3 | 5 |
| SPRAGUE-DAWLEY RATS
FEMALE
220 UG/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 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 4 |
| | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 8 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 |

females
(cont...)

Lymphoma Malignant

X

Nephroblastoma

X

Urinary Bladder

+ +

Carcinoma, Metastatic, Uterus

X

SYSTEMIC LESIONS

Multiple Organ

+ +

Lymphoma Malignant

X

X

* .. Total animals with tissue examined microscopically; Total animals with tumor
+ .. Tissue examined microscopically
x .. Lesion present
I .. Insufficient tissue

M .. Missing tissue
A .. Autolysis precludes evaluation
BLANK .. Not examined microscopically

TDMS No. 20304 - 01
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 Lab: BAT

| | DAY ON TEST | | | | | | | | | | | | | | | | | | | | | | | | females
(cont...) |
|---------------------------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|----------------------|
| | 0
5
0
4 | 0
2
2
9 | 0
7
3
4 | 0
4
4
6 | 0
7
3
5 | 0
7
3
4 | 0
6
1
7 | 0
7
3
3 | 0
7
3
3 | 0
7
3
5 | 0
7
3
3 | 0
7
3
5 | 0
7
3
5 | 0
6
4
5 | 0
7
3
5 | 0
7
3
5 | 0
7
3
5 | 0
7
3
1 | 0
7
3
3 | 0
5
9
5 | 0
6
5
2 | 0
6
6
7 | 0
7
1
4 | 0
6
7
4 | |
| SPRAGUE-DAWLEY 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 | | |
| 220 UG/KG | 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 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | | |
| | 4 | 4 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | | |
| | 5 | 9 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | | |

| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--|--|---|---|
| Lymphoma Malignant | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Mesentery | | | | | | | | | | | | | | | | | | | + | | | | | | | + | |
| Carcinoma, Metastatic, Uterus | | | | | | | | | | | | | | | | | | | | | | | | | | X | |
| Schwannoma Malignant | | | | | | | | | | | | | | | | | | | | | | | | | | X | |
| Oral Mucosa | | | | | | | | | | | | | | | | | | | | + | | | | | | | |
| Squamous Cell Carcinoma | | | | | | | | | | | | | | | | | | | | X | | | | | | | |
| Pancreas | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | | |
| Carcinoma, Metastatic, Uterus | | | | | | | | | | | | | | | | | | | | | | | | | | X | |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Salivary Glands | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | | |
| Stomach, Forestomach | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | | |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Stomach, Glandular | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | | |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Tooth | | | | | | | | + | | | | | | | | + | | | | | | | | | | | + |

CARDIOVASCULAR SYSTEM

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 x .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

TDMS No. 20304 - 01
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/SD

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 TEF evaluation (PCB 118)
 CAS Number: 31508-00-6

Date Report Requested: 06/26/2008
 Time Report Requested: 12:05:16
 First Dose M/F: NA / 03/26/04
 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 | 2 | 7 | 4 | 7 | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 5 | 6 | 6 | 7 | 6 | |
| | 0 | 2 | 3 | 4 | 3 | 3 | 1 | 3 | 3 | 3 | 3 | 1 | 3 | 4 | 3 | 3 | 3 | 0 | 3 | 3 | 9 | 5 | 1 | 3 | 9 |
| | 4 | 9 | 4 | 6 | 5 | 4 | 7 | 3 | 3 | 3 | 5 | 3 | 5 | 5 | 4 | 5 | 5 | 1 | 4 | 3 | 5 | 2 | 7 | 4 | 4 |
| SPRAGUE-DAWLEY RATS | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 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 |
| 220 UG/KG | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| ANIMAL ID | 4 | 4 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| | 5 | 9 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |

females (cont...)

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|--------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Blood Vessel | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Heart | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | | | | | | | | | |

ENDOCRINE SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|----------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Adrenal Cortex | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Adrenal Medulla | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Pheochromocytoma Benign | | | | | | | | | | | | | | | | | | | | | | | | | |
| Pheochromocytoma Complex | | | | | | | | | | | | | | | | | | | | | | | | | |
| Pheochromocytoma Malignant | | | | | | | | | | | | | | | | | | | | | | | | | |
| Islets, Pancreatic | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Adenoma | X | | | | | | | | | | | | | | | | | | | | | | | | |
| Carcinoma | | | | | | | | | | | | | | | | | | | | | | | | | |
| Parathyroid Gland | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | M |
| Pituitary Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Pars Distalis, Adenoma | | | | | X | X | | | X | X | X | | | X | X | | | | X | | | | X | X | |

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 x .. Lesion present
 I .. Insufficient tissue
 M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

TDMS No. 20304 - 01
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/SD

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 TEF evaluation (PCB 118)
 CAS Number: 31508-00-6

Date Report Requested: 06/26/2008
 Time Report Requested: 12:05:16
 First Dose M/F: NA / 03/26/04
 Lab: BAT

| DAY ON TEST | 0 | | | | | | | | | | | | | | | | | | | | | | | | 0 |
|-------------|---|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|---|
| | 5 2 7 4 7 7 6 7 7 7 7 7 6 7 7 7 7 7 5 6 6 7 6 | | | | | | | | | | | | | | | | | | | | | | | | |
| ANIMAL ID | 0 | | | | | | | | | | | | | | | | | | | | | | | | 0 |
| | 4 | | | | | | | | | | | | | | | | | | | | | | | | |
| 220 UG/KG | 4 4 5 5 5 5 5 5 5 5 5 5 6 6 6 6 7 7 7 7 7 7 7 7 | | | | | | | | | | | | | | | | | | | | | | | | 7 |
| | 5 9 1 2 3 4 5 6 7 8 9 0 6 7 8 9 0 1 2 3 4 5 6 7 | | | | | | | | | | | | | | | | | | | | | | | | |

females
(cont...)

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Thyroid Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Bilateral, Adenoma | | | | | | | | | | | | | | | | | | | | | | | | | | |
| C-cell, Adenoma | | | | | | | | | | | | X | | | | | | | | | | | | | | |

GENERAL BODY SYSTEM
 NONE

GENITAL SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Clitoral Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Ovary | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Carcinoma, Metastatic, Uterus | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Granulosa-Theca Tumor Malignant | | | | | | | | | | | | | | | | | | | | | | | | | | X |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Uterus | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Carcinoma | | | | | | | | | | | | | | | | | | | | | | | | | | X |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Polyp Stromal | | | | | | | | | | | | X | | | | | | | | | | | | | | X |
| Squamous Cell Carcinoma | | | | | | | | | | | | | | | | | | | | | | | | | | X |
| Bilateral, Polyp Stromal | | | | | | | | | | | | | | | | | | | | | | | | | | X |

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 x .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

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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 | 0 | 0 |
| | 5 | 2 | 7 | 4 | 7 | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 5 | 6 | 6 | 7 | 6 | | | | |
| | 0 | 2 | 3 | 4 | 3 | 3 | 1 | 3 | 3 | 3 | 3 | 1 | 3 | 4 | 3 | 3 | 3 | 0 | 3 | 3 | 9 | 5 | 1 | 3 | 9 | | | |
| | 4 | 9 | 4 | 6 | 5 | 4 | 7 | 3 | 3 | 3 | 5 | 3 | 5 | 5 | 4 | 5 | 5 | 1 | 4 | 3 | 5 | 2 | 7 | 4 | 4 | | | |

SPRAGUE-DAWLEY RATS
FEMALE
 ANIMAL ID
220 UG/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 |
| 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| 4 | 4 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| 5 | 9 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | | | | |

females
(cont...)

HEMATOPOIETIC SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Bone Marrow | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Lymph Node | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Lumbar, Lymphoma Malignant | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Pancreatic, Lymphoma Malignant | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Lymph Node, Mandibular | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Lymph Node, Mesenteric | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Spleen | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Carcinoma, Metastatic, Uterus | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Thymus | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

INTEGUMENTARY SYSTEM

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 x .. Lesion present
 I .. Insufficient tissue
 M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

TDMS No. 20304 - 01
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 TEF evaluation (PCB 118)
 CAS Number: 31508-00-6

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 Time Report Requested: 12:05:16
 First Dose M/F: NA / 03/26/04
 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 | 2 | 7 | 4 | 7 | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 5 | 6 | 6 | 7 | 6 | | |
| | | 0 | 2 | 3 | 4 | 3 | 3 | 1 | 3 | 3 | 3 | 3 | 1 | 3 | 4 | 3 | 3 | 3 | 0 | 3 | 3 | 9 | 5 | 1 | 3 | 9 |
| | | 4 | 9 | 4 | 6 | 5 | 4 | 7 | 3 | 3 | 3 | 5 | 3 | 5 | 5 | 4 | 5 | 5 | 1 | 4 | 3 | 5 | 2 | 7 | 4 | 4 |
| SPRAGUE-DAWLEY 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 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| | ANIMAL ID | 4 | 4 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| | 220 UG/KG | 5 | 9 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |

females
(cont...)

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Mammary Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Adenoma | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Carcinoma | | | X | | | | | | | X | | | | | | | | | | | | | | | | |
| Fibroadenoma | | | | X | | | | X | X | | | | X | X | X | | | X | | | | X | | | X | |
| Fibroadenoma, Multiple | | | X | | | | X | X | | | | | | | | X | | | | | | X | | | | |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Skin | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Fibroma | X | | | | | | | | | | | | | | | | | | | | | | | | | |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Pinna, Neural Crest Tumor | | | | | | | | | | | | | | | | | | | | | | | | | | X |

MUSCULOSKELETAL SYSTEM

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

NERVOUS SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|----------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Brain | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Ependymoma Malignant | | | | | | | | | | | | | | | | | | | | | | | | | | X |
| Spinal Cord | | | | | | | | | | | | | | | | | | | | | | | | | | |

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 x .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

TDMS No. 20304 - 01
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/SD

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 TEF evaluation (PCB 118)
 CAS Number: 31508-00-6

Date Report Requested: 06/26/2008
 Time Report Requested: 12:05:16
 First Dose M/F: NA / 03/26/04
 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 | 2 | 7 | 4 | 7 | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 5 | 6 | 6 | 7 | 6 | |
| | 0 | 2 | 3 | 4 | 3 | 3 | 1 | 3 | 3 | 3 | 3 | 1 | 3 | 4 | 3 | 3 | 3 | 0 | 3 | 3 | 9 | 5 | 1 | 3 | 9 |
| | 4 | 9 | 4 | 6 | 5 | 4 | 7 | 3 | 3 | 3 | 5 | 3 | 5 | 5 | 4 | 5 | 5 | 1 | 4 | 3 | 5 | 2 | 7 | 4 | 4 |
| SPRAGUE-DAWLEY RATS | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 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 | |
| 220 UG/KG | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | |
| ANIMAL ID | 4 | 4 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | |
| | 5 | 9 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |

**females
(cont...)**

Lymphoma Malignant
 Nephroblastoma

Urinary Bladder
 Carcinoma, Metastatic, Uterus

+ +

SYSTEMIC LESIONS

Multiple Organ
 Lymphoma Malignant

+ +

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 x .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

TDMS No. 20304 - 01
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/SD

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 TEF evaluation (PCB 118)
 CAS Number: 31508-00-6

Date Report Requested: 06/26/2008
 Time Report Requested: 12:05:16
 First Dose M/F: NA / 03/26/04
 Lab: BAT

| | | | |
|----------------------------|---|---|-----------------|
| DAY ON TEST | 0 | 0 | |
| | 7 | 7 | |
| | 3 | 3 | |
| | 5 | 3 | |
| | | | |
| SPRAGUE-DAWLEY RATS | 0 | 0 | |
| FEMALE | 0 | 0 | |
| | 4 | 4 | |
| ANIMAL ID | 7 | 8 | |
| 220 UG/KG | 9 | 0 | |
| | | | * TOTALS |

ALIMENTARY SYSTEM

| | | | |
|-------------------------------|---|---|-----------|
| Esophagus | + | + | 52 |
| Intestine Large, Cecum | + | + | 51 |
| Lymphoma Malignant | | | 1 |
| Intestine Large, Colon | + | + | 52 |
| Intestine Large, Rectum | + | + | 52 |
| Lymphoma Malignant | | | 1 |
| Intestine Small, Duodenum | + | + | 52 |
| Lymphoma Malignant | | | 1 |
| Intestine Small, Ileum | + | + | 50 |
| Lymphoma Malignant | | | 1 |
| Intestine Small, Jejunum | + | + | 50 |
| Lymphoma Malignant | | | 1 |
| Liver | + | + | 52 |
| Carcinoma, Metastatic, Uterus | | | 1 |
| Hepatocellular Adenoma | | | 1 |

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 x .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

TDMS No. 20304 - 01
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/SD

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 TEF evaluation (PCB 118)
 CAS Number: 31508-00-6

Date Report Requested: 06/26/2008
 Time Report Requested: 12:05:16
 First Dose M/F: NA / 03/26/04
 Lab: BAT

| DAY ON TEST | 0 | 0 | |
|-------------------------------|---|---|-----------------|
| | 7 | 7 | |
| | 3 | 3 | |
| | 5 | 3 | |
| <hr/> | | | |
| SPRAGUE-DAWLEY RATS | 0 | 0 | |
| FEMALE | 0 | 0 | |
| | 4 | 4 | |
| ANIMAL ID | 7 | 8 | |
| 220 UG/KG | 9 | 0 | |
| | | | * TOTALS |
| Lymphoma Malignant | | | 2 |
| <hr/> | | | |
| Mesentery | | | 3 |
| Carcinoma, Metastatic, Uterus | | | 2 |
| Schwannoma Malignant | | | 1 |
| <hr/> | | | |
| Oral Mucosa | | | 1 |
| Squamous Cell Carcinoma | | | 1 |
| <hr/> | | | |
| Pancreas | + | + | 52 |
| Carcinoma, Metastatic, Uterus | | | 2 |
| Lymphoma Malignant | | | 1 |
| <hr/> | | | |
| Salivary Glands | + | + | 52 |
| <hr/> | | | |
| Stomach, Forestomach | + | + | 52 |
| Lymphoma Malignant | | | 1 |
| <hr/> | | | |
| Stomach, Glandular | + | + | 52 |
| Lymphoma Malignant | | | 1 |
| <hr/> | | | |
| Tooth | + | | 5 |

CARDIOVASCULAR SYSTEM

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 x .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

TDMS No. 20304 - 01
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/SD

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 TEF evaluation (PCB 118)
 CAS Number: 31508-00-6

Date Report Requested: 06/26/2008
 Time Report Requested: 12:05:16
 First Dose M/F: NA / 03/26/04
 Lab: BAT

| DAY ON TEST | | 0 | 0 | |
|-------------------------------|--|---|---|-----------------|
| | | 7 | 7 | |
| | | 3 | 3 | |
| | | 5 | 3 | |
| | | | | |
| SPRAGUE-DAWLEY RATS
FEMALE | | 0 | 0 | |
| | | 0 | 0 | |
| | | 4 | 4 | |
| | | 7 | 8 | |
| | | 9 | 0 | |
| 220 UG/KG | | | | * TOTALS |

| | | | | |
|--------------------|---|---|--|----|
| Blood Vessel | + | + | | 52 |
| Heart | + | + | | 52 |
| Lymphoma Malignant | | | | 1 |

ENDOCRINE SYSTEM

| | | | | |
|----------------------------|---|---|--|----|
| Adrenal Cortex | + | + | | 52 |
| Adrenal Medulla | + | + | | 52 |
| Pheochromocytoma Benign | | | | 3 |
| Pheochromocytoma Complex | | | | 1 |
| Pheochromocytoma Malignant | | | | 1 |
| Islets, Pancreatic | + | + | | 52 |
| Adenoma | | | | 1 |
| Carcinoma | | | | 1 |
| Parathyroid Gland | + | + | | 47 |
| Pituitary Gland | + | + | | 52 |
| Pars Distalis, Adenoma | X | X | | 18 |

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 x .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

TDMS No. 20304 - 01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/SD

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CAS Number: 31508-00-6

Date Report Requested: 06/26/2008
Time Report Requested: 12:05:16
First Dose M/F: NA / 03/26/04
Lab: BAT

| DAY ON TEST | 0 | 0 | |
|---------------------------------|---|---|-----------------|
| | 7 | 7 | |
| | 3 | 3 | |
| | 5 | 3 | |
| <hr/> | | | |
| SPRAGUE-DAWLEY RATS | 0 | 0 | |
| FEMALE | 0 | 0 | |
| | 4 | 4 | |
| ANIMAL ID | 7 | 8 | |
| 220 UG/KG | 9 | 0 | |
| | | | * TOTALS |
| Thyroid Gland | + | + | 51 |
| Bilateral, Adenoma | | | 1 |
| C-cell, Adenoma | | | 5 |
| <hr/> | | | |
| GENERAL BODY SYSTEM | | | |
| NONE | | | |
| <hr/> | | | |
| GENITAL SYSTEM | | | |
| | | | |
| Clitoral Gland | + | + | 51 |
| | | | |
| Ovary | + | + | 52 |
| Carcinoma, Metastatic, Uterus | | | 1 |
| Granulosa-Theca Tumor Malignant | X | | 2 |
| Lymphoma Malignant | | | 1 |
| | | | |
| Uterus | + | + | 52 |
| Carcinoma | | | 1 |
| Lymphoma Malignant | | | 1 |
| Polyp Stromal | | | 5 |
| Squamous Cell Carcinoma | | | 3 |
| Bilateral, Polyp Stromal | | | 1 |

* .. Total animals with tissue examined microscopically; Total animals with tumor
+ .. Tissue examined microscopically
x .. Lesion present
I .. Insufficient tissue

M .. Missing tissue
A .. Autolysis precludes evaluation
BLANK .. Not examined microscopically

TDMS No. 20304 - 01
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 Time Report Requested: 12:05:16
 First Dose M/F: NA / 03/26/04
 Lab: BAT

| | | | |
|----------------------------|---|---|-----------------|
| DAY ON TEST | 0 | 0 | |
| | 7 | 7 | |
| | 3 | 3 | |
| | 5 | 3 | |
| | | | |
| SPRAGUE-DAWLEY RATS | 0 | 0 | |
| FEMALE | 0 | 0 | |
| | 4 | 4 | |
| ANIMAL ID | 7 | 8 | |
| 220 UG/KG | 9 | 0 | |
| | | | * TOTALS |

HEMATOPOIETIC SYSTEM

| | | | |
|--------------------------------|---|---|-----------|
| Bone Marrow | + | + | 52 |
| Lymphoma Malignant | | | 1 |
| | | | |
| Lymph Node | | | 1 |
| Lumbar, Lymphoma Malignant | | | 1 |
| Pancreatic, Lymphoma Malignant | | | 1 |
| | | | |
| Lymph Node, Mandibular | + | + | 52 |
| Lymphoma Malignant | | | 2 |
| | | | |
| Lymph Node, Mesenteric | + | + | 52 |
| Lymphoma Malignant | | | 2 |
| | | | |
| Spleen | + | + | 52 |
| Carcinoma, Metastatic, Uterus | | | 1 |
| Lymphoma Malignant | | | 2 |
| | | | |
| Thymus | + | + | 51 |
| Lymphoma Malignant | | | 2 |

INTEGUMENTARY SYSTEM

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 x .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

TDMS No. 20304 - 01
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 Time Report Requested: 12:05:16
 First Dose M/F: NA / 03/26/04
 Lab: BAT

| DAY ON TEST | 0 | 0 | |
|----------------------------|-----------|---|-----------------|
| | 7 | 7 | |
| | 3 | 3 | |
| | 5 | 3 | |
| | | | |
| SPRAGUE-DAWLEY RATS | 0 | 0 | |
| FEMALE | 0 | 0 | |
| 220 UG/KG | ANIMAL ID | 4 | 4 |
| | | 7 | 8 |
| | | 9 | 0 |
| | | | * TOTALS |

| | | | |
|---------------------------|---|---|-----------|
| Mammary Gland | + | + | 52 |
| Adenoma | | | 1 |
| Carcinoma | | | 7 |
| Fibroadenoma | | X | 17 |
| Fibroadenoma, Multiple | X | | 10 |
| Lymphoma Malignant | | | 1 |
| | | | |
| Skin | + | + | 52 |
| Fibroma | | | 1 |
| Lymphoma Malignant | | | 1 |
| Pinna, Neural Crest Tumor | | | 1 |

MUSCULOSKELETAL SYSTEM

| | | | |
|------|---|---|-----------|
| Bone | + | + | 52 |
|------|---|---|-----------|

NERVOUS SYSTEM

| | | | |
|----------------------|---|---|-----------|
| Brain | + | + | 52 |
| Ependymoma Malignant | | | 1 |
| | | | |
| Spinal Cord | | | 1 |

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 x .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

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Lab: BAT

| | | | |
|---------------------|---|---|----------|
| DAY ON TEST | 0 | 0 | |
| | 7 | 7 | |
| | 3 | 3 | |
| | 5 | 3 | |
| | | | |
| SPRAGUE-DAWLEY RATS | 0 | 0 | |
| FEMALE | 0 | 0 | |
| | 4 | 4 | |
| ANIMAL ID | 7 | 8 | |
| 220 UG/KG | 9 | 0 | |
| | | | * TOTALS |

Schwannoma Malignant 1

RESPIRATORY SYSTEM

| | | | |
|--------------------------------------|---|---|----|
| Lung | + | + | 52 |
| Carcinoma, Metastatic, Mammary Gland | | | 1 |
| Carcinoma, Metastatic, Uterus | | | 1 |
| Lymphoma Malignant | | | 2 |
| Nose | + | + | 52 |
| Trachea | + | + | 52 |

SPECIAL SENSES SYSTEM

| | | | |
|-----------------|---|---|----|
| Eye | + | + | 52 |
| Harderian Gland | + | + | 52 |

URINARY SYSTEM

| | | | |
|-------------------------------|---|---|----|
| Kidney | + | + | 52 |
| Carcinoma, Metastatic, Uterus | | | 1 |

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+ .. Tissue examined microscopically
x .. Lesion present
I .. Insufficient tissue

M .. Missing tissue
A .. Autolysis precludes evaluation
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 Lab: BAT

| | | | | |
|----------------------------|-------------|---|---|-----------------|
| | DAY ON TEST | 0 | 0 | |
| | | 7 | 7 | |
| | | 3 | 3 | |
| | | 5 | 3 | |
| | | | | |
| SPRAGUE-DAWLEY RATS | | 0 | 0 | |
| FEMALE | | 0 | 0 | |
| | ANIMAL ID | 4 | 4 | |
| | | 7 | 8 | |
| 220 UG/KG | | 9 | 0 | |
| | | | | * TOTALS |

| | | | | |
|-------------------------------|--|---|---|-----------|
| Lymphoma Malignant | | | | 1 |
| Nephroblastoma | | | | 1 |
| | | | | |
| Urinary Bladder | | + | + | 52 |
| Carcinoma, Metastatic, Uterus | | | | 1 |

SYSTEMIC LESIONS

| | | | | |
|--------------------|--|---|---|-----------|
| | | | | |
| Multiple Organ | | + | + | 52 |
| Lymphoma Malignant | | | | 2 |

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 x .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
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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 | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 4 | 7 | 4 | 7 | 2 | 5 | 7 | 7 | 5 | 7 | 7 | 6 | 7 | 7 | | |
| | 2 | 3 | 5 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 8 | 3 | 5 | 3 | 3 | 7 | 2 | 3 | 9 | 3 | 3 | 0 | 3 | 3 | | |
| | 7 | 4 | 8 | 5 | 5 | 5 | 5 | 4 | 5 | 3 | 5 | 4 | 1 | 7 | 5 | 8 | 5 | 9 | 4 | 3 | 3 | 5 | 7 | 3 | 3 | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| SPRAGUE-DAWLEY RATS | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| FEMALE | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 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 | |
| | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | |
| | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | | |
| 460 UG/KG | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 2 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | | |

females
(cont...)

ALIMENTARY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|---------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Esophagus | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Large, Cecum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Large, Colon | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Large, Rectum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Small, Duodenum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Small, Ileum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Small, Jejunum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | | | | | | | | | |
| Liver | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Hepatocellular Adenoma | | | X | | | | | | | X | | | | | | | | | | | | | | | |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | | | | | | | | | |
| Mesentery | | | + | | | + | | | | | | | | | | | | | | | | | | | |
| Oral Mucosa | | | | | | | | | | | | | | | | | | | | | | | | | + |

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 x .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
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Date Report Requested: 06/26/2008
 Time Report Requested: 12:05:16
 First Dose M/F: NA / 03/26/04
 Lab: BAT

| DAY ON TEST | ANIMAL ID | | | | | | | | | | | | | | | | | | | | | | |
|----------------------------|-----------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| | 0727 | 0773 | 0765 | 0773 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 |
| SPRAGUE-DAWLEY RATS | | | | | | | | | | | | | | | | | | | | | | | |
| FEMALE | | | | | | | | | | | | | | | | | | | | | | | |
| 460 UG/KG | | | | | | | | | | | | | | | | | | | | | | | |
| Pancreas | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Acinus, Adenoma | | | X | | | | | | | | | | | | | | | | | | | X | |
| Salivary Glands | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + |
| Stomach, Forestomach | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Stomach, Glandular | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Tooth | + | + | | | | | | | | | | | | | | | | | | | + | | + |

CARDIOVASCULAR SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | |
|--------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Blood Vessel | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Heart | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | | | | | | | |

ENDOCRINE SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | |
|--------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Adrenal Cortex | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + |
| Adenoma | | | | | | | | | | | | | | | | | | | | | | | X |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | | | | | | | |

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 x .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

TDMS No. 20304 - 01
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/SD

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 TEF evaluation (PCB 118)
 CAS Number: 31508-00-6

Date Report Requested: 06/26/2008
 Time Report Requested: 12:05:16
 First Dose M/F: NA / 03/26/04
 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 | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 4 | 7 | 4 | 7 | 2 | 5 | 7 | 7 | 5 | 7 | 7 | 6 | 7 | 7 |
| | 2 | 3 | 5 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 8 | 3 | 5 | 3 | 3 | 7 | 2 | 3 | 9 | 3 | 3 | 0 | 3 | 3 |
| | 7 | 4 | 8 | 5 | 5 | 5 | 5 | 4 | 5 | 3 | 5 | 4 | 1 | 7 | 5 | 8 | 5 | 9 | 4 | 3 | 3 | 5 | 7 | 3 | 3 |
| SPRAGUE-DAWLEY RATS | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 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 |
| 460 UG/KG | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| ANIMAL ID | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 3 |
| | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 2 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 |

**females
(cont...)**

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|----------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Adrenal Medulla | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Pheochromocytoma Benign | | | | | | | | | | | | | | | | | | | | | | | | | |
| Pheochromocytoma Malignant | | | | | | | | | | | | | | | | | | | | | | | | | |
| Islets, Pancreatic | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Adenoma | | | | | | | | | | | | | | | | | | | | | | | | | |
| Parathyroid Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | M | + | + |
| Pituitary Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Pars Distalis, Adenoma | X | X | | X | | | X | X | | | X | | | | | | X | | X | X | X | | | | |
| Thyroid Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + |
| Bilateral, C-cell, Adenoma | | | | | | | | | | | | | | | | | | | | | | | | X | |
| C-cell, Adenoma | | | | | | | | X | | | X | | | | | | | X | | X | | | | | |
| C-cell, Adenoma, Multiple | | | | | | | | | | | | | | | | | | | | | | | | | |
| C-cell, Carcinoma | | | | | | | | | | | | | | | | | | | | | | | | | |

GENERAL BODY SYSTEM
 NONE

GENITAL SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|----------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Clitoral Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
|----------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 x .. Lesion present
 I .. Insufficient tissue
 M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

TDMS No. 20304 - 01
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/SD

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 TEF evaluation (PCB 118)
 CAS Number: 31508-00-6

Date Report Requested: 06/26/2008
 Time Report Requested: 12:05:16
 First Dose M/F: NA / 03/26/04
 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 | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 4 | 7 | 4 | 7 | 2 | 5 | 7 | 7 | 5 | 7 | 7 | 6 | 7 | 7 |
| | 2 | 3 | 5 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 8 | 3 | 5 | 3 | 3 | 7 | 2 | 3 | 9 | 3 | 3 | 0 | 3 | 3 |
| | 7 | 4 | 8 | 5 | 5 | 5 | 5 | 4 | 5 | 3 | 5 | 4 | 1 | 7 | 5 | 8 | 5 | 9 | 4 | 3 | 3 | 5 | 7 | 3 | 3 |
| SPRAGUE-DAWLEY 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 |
| | 0 | 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 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 3 |
| | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 2 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 |
| 460 UG/KG | | | | | | | | | | | | | | | | | | | | | | | | | |

females
(cont...)

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|-------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Adenoma | | | | | | | | | | | | | | | | | | | | | | | | | |
| Ovary | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Uterus | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Carcinoma | | | | | | | X | | | | | | | | X | | | | | | | | | | |
| Polyp Stromal | X | | X | | | | | | | | | | | X | | | X | | X | | X | | X | | |
| Sarcoma | | | | | | | | | | | | | | | | | | | | | | | | | |
| Schwannoma Malignant | | | | | | | | | | | | | | X | | | | | | | | | | | |
| Squamous Cell Carcinoma | | | | | | | | | | | | | | | | | | | | | | | | | |
| Vagina | | | + | | | | | | | | | | | | | | | | | | | | | | |
| Polyp | | | X | | | | | | | | | | | | | | | | | | | | | | |

HEMATOPOIETIC SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|---------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Bone Marrow | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Lymph Node | | | | | | | | | | | | | | | | | | | | | | | | | |
| Mediastinal, Lymphoma Malignant | | | | | | | | | | | | | | | | | | | | | | | | | |
| Pancreatic, Lymphoma Malignant | | | | | | | | | | | | | | | | | | | | | | | | | |
| Lymph Node, Mandibular | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | | | | | | | | | |

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 x .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

TDMS No. 20304 - 01
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/SD

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 TEF evaluation (PCB 118)
 CAS Number: 31508-00-6

Date Report Requested: 06/26/2008
 Time Report Requested: 12:05:16
 First Dose M/F: NA / 03/26/04
 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 | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 4 | 7 | 4 | 7 | 2 | 5 | 7 | 7 | 5 | 7 | 7 | 6 | 7 | 7 |
| | 2 | 3 | 5 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 8 | 3 | 5 | 3 | 3 | 7 | 2 | 3 | 9 | 3 | 3 | 0 | 3 | 3 |
| | 7 | 4 | 8 | 5 | 5 | 5 | 5 | 4 | 5 | 3 | 5 | 4 | 1 | 7 | 5 | 8 | 5 | 9 | 4 | 3 | 3 | 5 | 7 | 3 | 3 |
| SPRAGUE-DAWLEY RATS | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 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 |
| 460 UG/KG | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| ANIMAL ID | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 |
| | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 2 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 |

females
(cont...)

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Lymph Node, Mesenteric Lymphoma Malignant | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Spleen Lymphoma Malignant | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Thymus Lymphoma Malignant | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + |

INTEGUMENTARY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|-------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Mammary Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Adenolipoma | | | | | | | | | | | | | | | | | | | | | | | | | |
| Adenoma | | | | | | | | | | | | | | | | | | | | | | | | | X |
| Carcinoma | | | | | | | | | | | | | | | | | | | | | | | | | |
| Fibroadenoma | X | | X | | | | X | X | X | X | | X | X | | | | | | | X | | | X | X | |
| Fibroadenoma, Multiple | | X | | | | | | | | X | | | | | X | X | | X | | | | | | | |
| Skin | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Schwannoma Malignant | | | | | | | | | | | | | | | | | | | | | | | | | |
| Squamous Cell Papilloma | | | | | | | | | | | | | | | | | | | | | | | | | X |

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 x .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

TDMS No. 20304 - 01
 Test Type: CHRONIC
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P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 TEF evaluation (PCB 118)
 CAS Number: 31508-00-6

Date Report Requested: 06/26/2008
 Time Report Requested: 12:05:16
 First Dose M/F: NA / 03/26/04
 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 | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 4 | 7 | 4 | 7 | 2 | 5 | 7 | 7 | 5 | 7 | 7 | 6 | 7 | 7 |
| | 2 | 3 | 5 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 8 | 3 | 5 | 3 | 3 | 7 | 2 | 3 | 9 | 3 | 3 | 0 | 3 | 3 |
| | 7 | 4 | 8 | 5 | 5 | 5 | 5 | 4 | 5 | 3 | 5 | 4 | 1 | 7 | 5 | 8 | 5 | 9 | 4 | 3 | 3 | 5 | 7 | 3 | 3 |
| SPRAGUE-DAWLEY 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 |
| | 0 | 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 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| 460 UG/KG | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 3 |
| | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 2 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 |

females
(cont...)

MUSCULOSKELETAL SYSTEM

Bone +

NERVOUS SYSTEM

Brain +
 Lymphoma Malignant

RESPIRATORY SYSTEM

Lung +
 Alveolar/Bronchiolar Carcinoma, Multiple
 Carcinoma, Metastatic, Uncertain
 Primary Site X
 Lymphoma Malignant

Nose +

Trachea +

SPECIAL SENSES SYSTEM

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 x .. Lesion present
 I .. Insufficient tissue
 M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

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 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 | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 4 | 7 | 4 | 7 | 2 | 5 | 7 | 7 | 5 | 7 | 7 | 6 | 7 | 7 |
| | 2 | 3 | 5 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 8 | 3 | 5 | 3 | 3 | 7 | 2 | 3 | 9 | 3 | 3 | 0 | 3 | 3 |
| | 7 | 4 | 8 | 5 | 5 | 5 | 5 | 4 | 5 | 3 | 5 | 4 | 1 | 7 | 5 | 8 | 5 | 9 | 4 | 3 | 3 | 5 | 7 | 3 | 3 |
| SPRAGUE-DAWLEY 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 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 460 UG/KG | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| ANIMAL ID | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | |
| | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 2 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 |

females
(cont...)

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Eye | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Harderian Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |

URINARY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Kidney | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | | | | | | | | | |
| Urinary Bladder | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Sarcoma, Metastatic, Uterus | | | | | | | | | | | | | | | | | | | | | | | | | |

SYSTEMIC LESIONS

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|--------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Multiple Organ | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Adenolipoma | | | | | | | | | | | | | | | | | | | | | | | | | |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | | | | | | | | | |

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 x .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
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 TEF evaluation (PCB 118)
 CAS Number: 31508-00-6

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 First Dose M/F: NA / 03/26/04
 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 |
|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 5 | 4 | 7 | 6 | 5 | 6 | 5 | 6 | 7 | 5 | 7 | 7 | 7 | 7 | 7 | 3 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 6 | 7 | |
| | 7 | 1 | 3 | 7 | 9 | 5 | 8 | 4 | 3 | 8 | 3 | 3 | 3 | 3 | 3 | 0 | 3 | 3 | 3 | 3 | 3 | 3 | 0 | 3 | | |
| | 1 | 2 | 3 | 7 | 3 | 5 | 2 | 3 | 4 | 2 | 0 | 5 | 5 | 4 | 5 | 5 | 0 | 3 | 3 | 5 | 3 | 3 | 3 | 2 | 5 | |

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|----------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SPRAGUE-DAWLEY RATS | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 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 |
| 460 UG/KG | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| ANIMAL ID | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | 5 | 6 | 6 | 6 | 6 | 6 | 7 | 7 | 7 | 7 |
| | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 1 | 2 | 3 | 4 | 5 | 3 | 6 | 7 | 8 | 9 | 0 | 6 | 7 | 8 |

females
(cont...)

ALIMENTARY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|---------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Esophagus | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Large, Cecum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Large, Colon | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Large, Rectum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Small, Duodenum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Small, Ileum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Small, Jejunum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Lymphoma Malignant | | | | | | | | | X | | | | | | | | | | | | | | | | |
| Liver | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Hepatocellular Adenoma | | | X | | X | | | | | | | | | | | | | | | | | | | | |
| Lymphoma Malignant | | | | | | | | X | X | | | | | | | | | | | | | | | | |
| Mesentery | | | | | | | | | + | | | | | | | | | | | | | | | | |
| Oral Mucosa | | | | | | | | | | | | | | | | | | | | | | | | | |

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 x .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

TDMS No. 20304 - 01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/SD

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

TEF evaluation (PCB 118)

CAS Number: 31508-00-6

Date Report Requested: 06/26/2008

Time Report Requested: 12:05:16

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

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 | 0 |
|---|-----------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SPRAGUE-DAWLEY RATS
FEMALE
460 UG/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 |
| | | 5 | 4 | 7 | 6 | 5 | 6 | 5 | 6 | 7 | 5 | 7 | 7 | 7 | 7 | 7 | 3 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 6 | 7 | 0 | 3 |
| | | 7 | 1 | 3 | 7 | 9 | 5 | 8 | 4 | 3 | 8 | 3 | 3 | 3 | 3 | 3 | 0 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 0 | 3 | 0 | 3 |
| | | 1 | 2 | 3 | 7 | 3 | 5 | 2 | 3 | 4 | 2 | 0 | 5 | 5 | 4 | 5 | 5 | 0 | 3 | 3 | 5 | 3 | 3 | 3 | 2 | 5 | | |
| Pancreas | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Acinus, Adenoma | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Salivary Glands | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Stomach, Forestomach | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Stomach, Glandular | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Tooth | | | | | | + | | | | | | | | | | | | | | | | | | | | | | |

females (cont...)

CARDIOVASCULAR SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Blood Vessel | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Heart | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Lymphoma Malignant | | | | | | | | | | X | | | | | | | | | | | | | | | | | | |

ENDOCRINE SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Adrenal Cortex | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Adenoma | | | | | | | | | | | | | | | | | | | | | | | | | | | | | X |
| Lymphoma Malignant | | | | | | | | | | X | X | | | | | | | | | | | | | | | | | | |

* .. Total animals with tissue examined microscopically; Total animals with tumor
+ .. Tissue examined microscopically
x .. Lesion present
I .. Insufficient tissue

M .. Missing tissue
A .. Autolysis precludes evaluation
BLANK .. Not examined microscopically

TDMS No. 20304 - 01
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/SD

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

TEF evaluation (PCB 118)

CAS Number: 31508-00-6

Date Report Requested: 06/26/2008

Time Report Requested: 12:05:16

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

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 | 0 | 0 | 0 |
|-----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 5 | 4 | 7 | 6 | 5 | 6 | 5 | 6 | 7 | 5 | 7 | 7 | 7 | 7 | 7 | 7 | 3 | 7 | 7 | 7 | 7 | 7 | 7 | 6 | 7 | | | | |
| | 7 | 1 | 3 | 7 | 9 | 5 | 8 | 4 | 3 | 8 | 3 | 3 | 3 | 3 | 3 | 3 | 0 | 3 | 3 | 3 | 3 | 3 | 3 | 0 | 3 | | | | |
| | 1 | 2 | 3 | 7 | 3 | 5 | 2 | 3 | 4 | 2 | 0 | 5 | 5 | 4 | 5 | 5 | 0 | 3 | 3 | 5 | 3 | 3 | 3 | 2 | 5 | | | | |
| SPRAGUE-DAWLEY 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 | 0 | 0 | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 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 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| 460 UG/KG | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 8 |
| ANIMAL ID | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 1 | 2 | 3 | 4 | 5 | 3 | 6 | 7 | 8 | 9 | 0 | 6 | 7 | 8 | | | | |

females (cont...)

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|----------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Adrenal Medulla | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Pheochromocytoma Benign | | | | | | | | | | | | X | | X | | | | | | | | | | | | | | |
| Pheochromocytoma Malignant | | | X | | | | | | | | | | | | | | | | | | | | | | | | | |
| Islets, Pancreatic | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Adenoma | | | | | | | | | | | | | | | | X | | X | | | | | | | | | X | |
| Parathyroid Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Pituitary Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Pars Distalis, Adenoma | | | X | X | | X | | X | X | X | | X | X | | X | X | | | | | | X | X | | | | | |
| Thyroid Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Bilateral, C-cell, Adenoma | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| C-cell, Adenoma | | | | | | X | | | | | | X | X | | X | | | | | | X | X | | | | | | |
| C-cell, Adenoma, Multiple | | | | | | | | | | | | | | | | | | | | | | | | | | | X | |
| C-cell, Carcinoma | | | | | | | | | | | | | | | | | | | | | | | | | | | | X |

GENERAL BODY SYSTEM

NONE

GENITAL SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|----------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Clitoral Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
|----------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 x .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

TDMS No. 20304 - 01
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/SD

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 TEF evaluation (PCB 118)
 CAS Number: 31508-00-6

Date Report Requested: 06/26/2008
 Time Report Requested: 12:05:16
 First Dose M/F: NA / 03/26/04
 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 | 4 | 7 | 6 | 5 | 6 | 5 | 6 | 7 | 5 | 7 | 7 | 7 | 7 | 7 | 3 | 7 | 7 | 7 | 7 | 7 | 7 | 6 | 7 | |
| | | 7 | 1 | 3 | 7 | 9 | 5 | 8 | 4 | 3 | 8 | 3 | 3 | 3 | 3 | 3 | 0 | 3 | 3 | 3 | 3 | 3 | 3 | 0 | 3 | |
| | | 1 | 2 | 3 | 7 | 3 | 5 | 2 | 3 | 4 | 2 | 0 | 5 | 5 | 4 | 5 | 5 | 0 | 3 | 3 | 5 | 3 | 3 | 2 | 5 | |
| SPRAGUE-DAWLEY 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 | 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 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | |
| | | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | |
| | | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 1 | 2 | 3 | 4 | 5 | 3 | 6 | 7 | 8 | 9 | 0 | 6 | 7 | 8 |
| | ANIMAL ID | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 460 UG/KG | | | | | | | | | | | | | | | | | | | | | | | | | |

females
(cont...)

| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Adenoma | | | | | | | | | | | | | | | | | | | | | | | | | X | | |
| Ovary | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | |
| Uterus | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | |
| Carcinoma | | | | | | | | | | | | | | | | | | | | | | | | | X | | |
| Polyp Stromal | | | | | X | | | | | | | | | | | | | | | X | | | | | | X | X |
| Sarcoma | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Schwannoma Malignant | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Squamous Cell Carcinoma | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Vagina | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Polyp | | | | | | | | | | | | | | | | | | | | | | | | | | | |

HEMATOPOIETIC SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|---------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----|
| Bone Marrow | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Lymph Node | | | | | | | | | | | | | | | | | | | | | | | | | + |
| Mediastinal, Lymphoma Malignant | | | | | | | | | | | | | | | | | | | | | | | | | X |
| Pancreatic, Lymphoma Malignant | | | | | | | | | | | | | | | | | | | | | | | | | X |
| Lymph Node, Mandibular | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | | | | | | | | | X X |

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 x .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

TDMS No. 20304 - 01
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/SD

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 TEF evaluation (PCB 118)
 CAS Number: 31508-00-6

Date Report Requested: 06/26/2008
 Time Report Requested: 12:05:16
 First Dose M/F: NA / 03/26/04
 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 |
|----------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 5 | 4 | 7 | 6 | 5 | 6 | 5 | 6 | 7 | 5 | 7 | 7 | 7 | 7 | 7 | 7 | 3 | 7 | 7 | 7 | 7 | 7 | 7 | 6 | 7 | |
| | 7 | 1 | 3 | 7 | 9 | 5 | 8 | 4 | 3 | 8 | 3 | 3 | 3 | 3 | 3 | 3 | 0 | 3 | 3 | 3 | 3 | 3 | 3 | 0 | 3 | |
| | 1 | 2 | 3 | 7 | 3 | 5 | 2 | 3 | 4 | 2 | 0 | 5 | 5 | 4 | 5 | 5 | 0 | 3 | 3 | 5 | 3 | 3 | 3 | 2 | 5 | |
| SPRAGUE-DAWLEY RATS | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 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 | |
| | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | |
| ANIMAL ID | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | |
| 460 UG/KG | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 1 | 2 | 3 | 4 | 5 | 3 | 6 | 7 | 8 | 9 | 0 | 6 | 7 | 8 | |

females
(cont...)

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Lymph Node, Mesenteric
Lymphoma Malignant | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| | | | | | | | | | X | | | | | | | | | | | | | | | | |
| Spleen
Lymphoma Malignant | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| | | | | | | | | | X | X | | | | | | | | | | | | | | | |
| Thymus
Lymphoma Malignant | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + |
| | | | | | | | | | X | | | | | | | | | | | | | | | | |

INTEGUMENTARY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Mammary Gland
Adenolipoma | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Adenoma | | | | | | | | | | | | | | | | | | | | | | | | | X |
| Carcinoma | | | | | | | | | | | | X | X | | | | | | | | | | | X | |
| Fibroadenoma | X | X | | X | X | | | | X | | X | | | | | | | | | | | | | X | |
| Fibroadenoma, Multiple | | | X | | | | | | X | X | X | X | | | | | X | X | X | | | | | X | |
| Skin
Schwannoma Malignant | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Squamous Cell Papilloma | | | | | | | | | | | | | | | | | | | | | | | X | | |

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 x .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

TDMS No. 20304 - 01
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/SD

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 TEF evaluation (PCB 118)
 CAS Number: 31508-00-6

Date Report Requested: 06/26/2008
 Time Report Requested: 12:05:16
 First Dose M/F: NA / 03/26/04
 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 | 0 |
|----------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|------------------------------|
| | 5 | 4 | 7 | 6 | 5 | 6 | 5 | 6 | 7 | 5 | 7 | 7 | 7 | 7 | 7 | 3 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 6 | 7 | | |
| | 7 | 1 | 3 | 7 | 9 | 5 | 8 | 4 | 3 | 8 | 3 | 3 | 3 | 3 | 3 | 0 | 3 | 3 | 3 | 3 | 3 | 3 | 0 | 3 | | | |
| | 1 | 2 | 3 | 7 | 3 | 5 | 2 | 3 | 4 | 2 | 0 | 5 | 5 | 4 | 5 | 5 | 0 | 3 | 3 | 5 | 3 | 3 | 3 | 2 | 5 | | |
| SPRAGUE-DAWLEY RATS | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 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 | 0 | 0 |
| 460 UG/KG | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| ANIMAL ID | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 8 |
| | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 1 | 2 | 3 | 4 | 5 | 3 | 6 | 7 | 8 | 9 | 0 | 6 | 7 | 8 | | females
(cont...) |

MUSCULOSKELETAL SYSTEM

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

NERVOUS SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Brain | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Lymphoma Malignant | | | | | | | X | | | | | | | | | | | | | | | | | | | | |

RESPIRATORY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Lung | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Alveolar/Bronchiolar Carcinoma, Multiple | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Carcinoma, Metastatic, Uncertain Primary Site | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Lymphoma Malignant | | | | | | | X | X | | | | | | | | | | | | | | | | | | | |
| Nose | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Trachea | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |

SPECIAL SENSES SYSTEM

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 x .. Lesion present
 I .. Insufficient tissue
 M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

TDMS No. 20304 - 01
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/SD

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 TEF evaluation (PCB 118)
 CAS Number: 31508-00-6

Date Report Requested: 06/26/2008
 Time Report Requested: 12:05:16
 First Dose M/F: NA / 03/26/04
 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 | 4 | 7 | 6 | 5 | 6 | 5 | 6 | 7 | 5 | 7 | 7 | 7 | 7 | 7 | 7 | 3 | 7 | 7 | 7 | 7 | 7 | 7 | 6 | 7 |
| | 7 | 1 | 3 | 7 | 9 | 5 | 8 | 4 | 3 | 8 | 3 | 3 | 3 | 3 | 3 | 3 | 0 | 3 | 3 | 3 | 3 | 3 | 3 | 0 | 3 |
| | 1 | 2 | 3 | 7 | 3 | 5 | 2 | 3 | 4 | 2 | 0 | 5 | 5 | 4 | 5 | 5 | 0 | 3 | 3 | 5 | 3 | 3 | 3 | 2 | 5 |
| SPRAGUE-DAWLEY 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 |
| | 0 | 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 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| 460 UG/KG | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 6 | 7 | 7 | 7 | 7 |
| | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 1 | 2 | 3 | 4 | 5 | 3 | 6 | 7 | 8 | 9 | 0 | 6 | 7 | 8 |

females (cont...)

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Eye | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Harderian Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |

URINARY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Kidney | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Lymphoma Malignant | | | | | | | X | | | | | | | | | | | | | | | | | | |
| Urinary Bladder | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Sarcoma, Metastatic, Uterus | | | | | | | | | | | | | | | | | | | | | | | | | |

SYSTEMIC LESIONS

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|--------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Multiple Organ | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Adenolipoma | | | | | | | | | | | | | | | | | | | | | | | | | |
| Lymphoma Malignant | | | | | | | X | X | | | | | | | | | | | | | | | | | |

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 x .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

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 Route: GAVAGE
 Species/Strain: RATS/SD

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 TEF evaluation (PCB 118)
 CAS Number: 31508-00-6

Date Report Requested: 06/26/2008
 Time Report Requested: 12:05:16
 First Dose M/F: NA / 03/26/04
 Lab: BAT

| | | | |
|---------------------|---|---|-----------------|
| DAY ON TEST | 0 | 0 | |
| | 7 | 6 | |
| | 3 | 2 | |
| | 4 | 7 | |
| | | | |
| SPRAGUE-DAWLEY RATS | 0 | 0 | |
| FEMALE | 0 | 0 | |
| | 5 | 5 | |
| ANIMAL ID | 7 | 8 | |
| 460 UG/KG | 9 | 0 | |
| | | | * TOTALS |

ALIMENTARY SYSTEM

| | | | |
|---------------------------|---|---|----|
| Esophagus | + | + | 52 |
| Intestine Large, Cecum | + | + | 52 |
| Intestine Large, Colon | + | + | 52 |
| Intestine Large, Rectum | + | + | 52 |
| Intestine Small, Duodenum | + | + | 52 |
| Intestine Small, Ileum | + | + | 52 |
| Intestine Small, Jejunum | + | + | 52 |
| Lymphoma Malignant | | | 1 |
| Liver | + | + | 52 |
| Hepatocellular Adenoma | | | 4 |
| Lymphoma Malignant | | | 2 |
| Mesentery | | | 3 |
| Oral Mucosa | | | 1 |

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 x .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

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 CAS Number: 31508-00-6

Date Report Requested: 06/26/2008
 Time Report Requested: 12:05:16
 First Dose M/F: NA / 03/26/04
 Lab: BAT

| DAY ON TEST | 0 | 0 | 7 | 6 | 3 | 2 | 4 | 7 |
|----------------------------|---|---|---|---|---|---|---|-----------------|
| SPRAGUE-DAWLEY RATS | | | | | | | | |
| FEMALE | | | | | | | | |
| 460 UG/KG | | | | | | | | |
| ANIMAL ID | 0 | 0 | 0 | 0 | 5 | 5 | 7 | 8 |
| | 9 | 0 | | | | | | |
| | | | | | | | | * TOTALS |

| | | | | | | | | | |
|----------------------|---|---|--|--|--|--|--|--|-----------|
| Pancreas | + | + | | | | | | | 52 |
| Acinus, Adenoma | | | | | | | | | 2 |
| Salivary Glands | + | + | | | | | | | 51 |
| Stomach, Forestomach | + | + | | | | | | | 52 |
| Stomach, Glandular | + | + | | | | | | | 52 |
| Tooth | | | | | | | | | 5 |

CARDIOVASCULAR SYSTEM

| | | | | | | | | | |
|--------------------|---|---|--|--|--|--|--|--|-----------|
| Blood Vessel | + | + | | | | | | | 52 |
| Heart | + | + | | | | | | | 52 |
| Lymphoma Malignant | | | | | | | | | 1 |

ENDOCRINE SYSTEM

| | | | | | | | | | |
|--------------------|---|---|--|--|--|--|--|--|-----------|
| Adrenal Cortex | + | + | | | | | | | 51 |
| Adenoma | | | | | | | | | 2 |
| Lymphoma Malignant | | | | | | | | | 2 |

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 x .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

TDMS No. 20304 - 01
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 First Dose M/F: NA / 03/26/04
 Lab: BAT

| DAY ON TEST | 0 | 0 | |
|----------------------------|---|---|-----------------|
| | 7 | 6 | |
| | 3 | 2 | |
| | 4 | 7 | |
| <hr/> | | | |
| SPRAGUE-DAWLEY RATS | 0 | 0 | |
| FEMALE | 0 | 0 | |
| | 5 | 5 | |
| ANIMAL ID | 7 | 8 | |
| 460 UG/KG | 9 | 0 | |
| | | | * TOTALS |
| <hr/> | | | |
| Adrenal Medulla | + | + | 52 |
| Pheochromocytoma Benign | | | 2 |
| Pheochromocytoma Malignant | | | 1 |
| <hr/> | | | |
| Islets, Pancreatic | + | + | 52 |
| Adenoma | | | 3 |
| <hr/> | | | |
| Parathyroid Gland | + | + | 50 |
| <hr/> | | | |
| Pituitary Gland | + | + | 52 |
| Pars Distalis, Adenoma | X | X | 24 |
| <hr/> | | | |
| Thyroid Gland | + | + | 51 |
| Bilateral, C-cell, Adenoma | | | 1 |
| C-cell, Adenoma | | X | 11 |
| C-cell, Adenoma, Multiple | | | 1 |
| C-cell, Carcinoma | | | 1 |

GENERAL BODY SYSTEM

NONE

GENITAL SYSTEM

| | | | |
|----------------|---|---|-----------|
| Clitoral Gland | + | + | 52 |
|----------------|---|---|-----------|

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 x .. Lesion present
 I .. Insufficient tissue

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 Lab: BAT

| DAY ON TEST | 0 | 0 | |
|----------------------------|---|---|-----------------|
| | 7 | 6 | |
| | 3 | 2 | |
| | 4 | 7 | |
| <hr/> | | | |
| SPRAGUE-DAWLEY RATS | 0 | 0 | |
| FEMALE | 0 | 0 | |
| | 5 | 5 | |
| ANIMAL ID | 7 | 8 | |
| 460 UG/KG | 9 | 0 | |
| | | | * TOTALS |
| <hr/> | | | |
| Adenoma | | | 1 |
| Ovary | + | + | 52 |
| Uterus | + | + | 52 |
| Carcinoma | | | 3 |
| Polyp Stromal | | | 10 |
| Sarcoma | | X | 1 |
| Schwannoma Malignant | | | 1 |
| Squamous Cell Carcinoma | | X | 1 |
| Vagina | | | 1 |
| Polyp | | | 1 |

HEMATOPOIETIC SYSTEM

| | | | |
|---------------------------------|---|---|-----------|
| Bone Marrow | + | + | 52 |
| Lymph Node | | | 1 |
| Mediastinal, Lymphoma Malignant | | | 1 |
| Pancreatic, Lymphoma Malignant | | | 1 |
| Lymph Node, Mandibular | + | + | 51 |
| Lymphoma Malignant | | | 2 |

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 x .. Lesion present
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 First Dose M/F: NA / 03/26/04
 Lab: BAT

| DAY ON TEST | | 0 | 0 |
|----------------------------|-----------|---|-----------------|
| | | 7 | 6 |
| | | 3 | 2 |
| | | 4 | 7 |
| | | | |
| SPRAGUE-DAWLEY RATS | | 0 | 0 |
| FEMALE | | 0 | 0 |
| | ANIMAL ID | 5 | 5 |
| | | 7 | 8 |
| 460 UG/KG | | 9 | 0 |
| | | | * TOTALS |

| | | |
|------------------------|-----|----|
| Lymph Node, Mesenteric | + + | 52 |
| Lymphoma Malignant | | 1 |
| | | |
| Spleen | + + | 52 |
| Lymphoma Malignant | | 2 |
| | | |
| Thymus | + + | 50 |
| Lymphoma Malignant | | 1 |

INTEGUMENTARY SYSTEM

| | | |
|-------------------------|-----|----|
| Mammary Gland | + + | 52 |
| Adenolipoma | | 1 |
| Adenoma | | 2 |
| Carcinoma | X | 4 |
| Fibroadenoma | X | 19 |
| Fibroadenoma, Multiple | | 14 |
| | | |
| Skin | + + | 52 |
| Schwannoma Malignant | | 1 |
| Squamous Cell Papilloma | | 2 |

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 x .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
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First Dose M/F: NA / 03/26/04
Lab: BAT

| DAY ON TEST | 0 | 0 |
|----------------------------|---|-----------------|
| | 7 | 6 |
| | 3 | 2 |
| | 4 | 7 |
| | | |
| SPRAGUE-DAWLEY RATS | 0 | 0 |
| FEMALE | 0 | 0 |
| | 5 | 5 |
| ANIMAL ID | 7 | 8 |
| 460 UG/KG | 9 | 0 |
| | | * TOTALS |

MUSCULOSKELETAL SYSTEM

| | | | |
|------|---|---|-----------|
| Bone | + | + | 52 |
|------|---|---|-----------|

NERVOUS SYSTEM

| | | | |
|--------------------|---|---|-----------|
| Brain | + | + | 52 |
| Lymphoma Malignant | | | 1 |

RESPIRATORY SYSTEM

| | | | |
|--|---|---|-----------|
| Lung | + | + | 52 |
| Alveolar/Bronchiolar Carcinoma, Multiple | | X | 1 |
| Carcinoma, Metastatic, Uncertain
Primary Site | | | 1 |
| Lymphoma Malignant | | | 2 |
| Nose | + | + | 52 |
| Trachea | + | + | 52 |

SPECIAL SENSES SYSTEM

* .. Total animals with tissue examined microscopically; Total animals with tumor
+ .. Tissue examined microscopically
x .. Lesion present
I .. Insufficient tissue

M .. Missing tissue
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 Lab: BAT

| DAY ON TEST | | 0 | 0 | |
|-----------------------------|-----------|---|---|-----------------|
| | | 7 | 6 | |
| | | 3 | 2 | |
| | | 4 | 7 | |
| <hr/> | | | | |
| SPRAGUE-DAWLEY RATS | | 0 | 0 | |
| | | 0 | 0 | |
| | | 5 | 5 | |
| | | 7 | 8 | |
| | | 9 | 0 | |
| 460 UG/KG | ANIMAL ID | | | * TOTALS |
| Eye | | + | + | 52 |
| Harderian Gland | | + | + | 52 |
| <hr/> | | | | |
| URINARY SYSTEM | | | | |
| Kidney | | + | + | 52 |
| Lymphoma Malignant | | | | 1 |
| Urinary Bladder | | + | + | 52 |
| Sarcoma, Metastatic, Uterus | | | X | 1 |
| <hr/> | | | | |
| SYSTEMIC LESIONS | | | | |
| Multiple Organ | | + | + | 52 |
| Adenolipoma | | | | 1 |
| Lymphoma Malignant | | | | 2 |

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 x .. Lesion present
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 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 |
|----------------------------|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 4 | 6 | 6 | 7 | 7 | 5 | 7 | 5 | 7 | 7 | 0 | 7 | 6 | 7 | 7 | 7 | 7 | 5 | 7 | 7 | 7 | 6 | 7 | 6 | 4 | |
| | | 8 | 5 | 0 | 3 | 2 | 1 | 3 | 6 | 3 | 3 | 6 | 3 | 8 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 7 | 1 | 6 | 0 | |
| | | 7 | 2 | 2 | 4 | 5 | 6 | 3 | 1 | 5 | 5 | 4 | 5 | 0 | 3 | 5 | 4 | 5 | 1 | 3 | 3 | 5 | 4 | 8 | 9 | 7 | |
| SPRAGUE-DAWLEY 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 | 0 |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| 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 |
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | |

1000 UG/KG

females (cont...)

ALIMENTARY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Esophagus | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Intestine Large, Cecum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Large, Colon | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Large, Rectum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Carcinoma, Metastatic, Ovary | | | | | | | | | | | | | | | | | | | | | | | | | | | X |
| Intestine Small, Duodenum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Small, Ileum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Small, Jejunum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Liver | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Carcinoma, Metastatic, Uterus | | | | | | | | | | | | | | | | | | | | | | | | | | | X |
| Cholangiocarcinoma | | | | | | | | | | | | | | | | | | | | | | | | | | | X |
| Hepatocellular Adenoma | | | X | | | X | | X | | | | | | | | X | | | | X | | | | | | | |
| Hepatocellular Adenoma, Multiple | | | | X | | | | | | X | | | | | X | | | | | | | | | | X | | |
| Lymphoma Malignant | X | | | | | | | | | | | | | | | | | | | | | | | | | | |

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
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 Time Report Requested: 12:05:16
 First Dose M/F: NA / 03/26/04
 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 |
|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 4 | 6 | 6 | 7 | 7 | 5 | 7 | 5 | 7 | 7 | 0 | 7 | 6 | 7 | 7 | 7 | 7 | 5 | 7 | 7 | 7 | 6 | 7 | 6 | 4 |
| | 8 | 5 | 0 | 3 | 2 | 1 | 3 | 6 | 3 | 3 | 6 | 3 | 8 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 7 | 1 | 6 | 0 |
| | 7 | 2 | 2 | 4 | 5 | 6 | 3 | 1 | 5 | 5 | 4 | 5 | 0 | 3 | 5 | 4 | 5 | 1 | 3 | 3 | 5 | 4 | 8 | 9 | 7 |

SPRAGUE-DAWLEY RATS
FEMALE
1000 UG/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 |
|-----------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| | 0 | 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 | 0 | 6 | 7 | 8 | 9 | 0 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 |

females
(cont...)

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|-------------------------------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| Mesentery | | | | | | | | | | | | | | | | | | | | | | | | | |
| Carcinoma, Metastatic, Ovary | | | | | | | | | | | | | | | | | | | | | | | | | |
| Carcinoma, Metastatic, Uterus | | | | | | | | | | | | | | | | | | | | | | | | | |
| Oral Mucosa | | | | | | | | | | | | | | | | | | | | | | | | | |
| Pancreas | | | | | | | | | | | | | | | | | | | | | | | | | |
| Carcinoma, Metastatic, Ovary | | | | | | | | | | | | | | | | | | | | | | | | | |
| Carcinoma, Metastatic, Uterus | | | | | | | | | | | | | | | | | | | | | | | | | |
| Acinus, Adenoma | | | | | | | | | | | | | | | | | | | | | | | | | |
| Salivary Glands | | | | | | | | | | | | | | | | | | | | | | | | | |
| Stomach, Forestomach | | | | | | | | | | | | | | | | | | | | | | | | | |
| Carcinoma, Metastatic, Ovary | | | | | | | | | | | | | | | | | | | | | | | | | |
| Stomach, Glandular | | | | | | | | | | | | | | | | | | | | | | | | | |
| Carcinoma, Metastatic, Ovary | | | | | | | | | | | | | | | | | | | | | | | | | |
| Tooth | | | | | | | | | | | | | | | | | | | | | | | | | |

CARDIOVASCULAR SYSTEM

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

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 x .. Lesion present
 I .. Insufficient tissue
 M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

TDMS No. 20304 - 01
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/SD

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 TEF evaluation (PCB 118)
 CAS Number: 31508-00-6

Date Report Requested: 06/26/2008
 Time Report Requested: 12:05:16
 First Dose M/F: NA / 03/26/04
 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 | 0 |
| | 4 | 6 | 6 | 7 | 7 | 5 | 7 | 5 | 7 | 7 | 0 | 7 | 6 | 7 | 7 | 7 | 7 | 5 | 7 | 7 | 7 | 6 | 7 | 6 | 7 | 6 | 4 |
| | 8 | 5 | 0 | 3 | 2 | 1 | 3 | 6 | 3 | 3 | 6 | 3 | 8 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 7 | 1 | 6 | 0 | 0 | 0 |
| | 7 | 2 | 2 | 4 | 5 | 6 | 3 | 1 | 5 | 5 | 4 | 5 | 0 | 3 | 5 | 4 | 5 | 1 | 3 | 3 | 5 | 4 | 8 | 9 | 7 | 0 | 0 |
| SPRAGUE-DAWLEY 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 | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| ANIMAL ID | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| 1000 UG/KG | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 0 | 6 | 7 | 8 | 9 | 0 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 4 | 4 |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | females
(cont...) |

| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Heart | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Carcinoma, Metastatic, Ovary | | | | | | | | | | | | | | | | | | | | | | | | | | | X |
| Lymphoma Malignant | X | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Schwannoma Benign | | | | | | | | | | | | | | | | | | | | | | | | | | | X |

ENDOCRINE SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|------------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Adrenal Cortex | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Carcinoma, Metastatic, Ovary | | | | | | | | | | | | | | | | | | | | | | | | | | | X |
| Adrenal Medulla | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Pheochromocytoma Benign | | | | | | | | | | | | | | | | | | | | | | | | | | | X |
| Pheochromocytoma Malignant | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Bilateral, Pheochromocytoma Benign | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Islets, Pancreatic | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Parathyroid Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | M | + | + |
| Pituitary Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Pars Distalis, Adenoma | | X | | X | | | X | | | X | | | X | X | | | | | | | X | | | | | | X |
| Thyroid Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 x .. Lesion present
 I .. Insufficient tissue
 M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

TDMS No. 20304 - 01
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/SD

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 TEF evaluation (PCB 118)
 CAS Number: 31508-00-6

Date Report Requested: 06/26/2008
 Time Report Requested: 12:05:16
 First Dose M/F: NA / 03/26/04
 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 | | |
|---|-------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 4 | 6 | 6 | 7 | 7 | 5 | 7 | 5 | 7 | 7 | 0 | 7 | 6 | 7 | 7 | 7 | 5 | 7 | 7 | 7 | 6 | 7 | 6 | 4 | |
| | | 8 | 5 | 0 | 3 | 2 | 1 | 3 | 6 | 3 | 3 | 6 | 3 | 8 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 7 | 1 | 6 | 0 | |
| | | 7 | 2 | 2 | 4 | 5 | 6 | 3 | 1 | 5 | 5 | 4 | 5 | 0 | 3 | 5 | 4 | 5 | 1 | 3 | 3 | 5 | 4 | 8 | 9 | 7 |
| SPRAGUE-DAWLEY RATS
FEMALE | 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 |
| | | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 1000 UG/KG | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 0 | 6 | 7 | 8 | 9 | 0 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 |

females
(cont...)

Bilateral, C-cell, Adenoma
 C-cell, Adenoma
 Follicular Cell, Adenoma

X X

GENERAL BODY SYSTEM
 NONE

GENITAL SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Clitoral Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | |
| Carcinoma | | | | | | | | | | | | | | | X | | | | | | | | | | | | |
| Ovary | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Carcinoma, Metastatic, Uterus | | | | | | | | | | | | | | | | | | | | | | | | | | | X |
| Thecoma Benign | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Bilateral, Adamantinoma Malignant,
Metastatic, Ovary | | | | | | | | | | | | | | | | | | | | | | | | | | | X |
| Bilateral, Carcinoma, Metastatic, Ovary | | | | | | | | | | | | | | | | | | | | | | | | | | | X |
| Uterus | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Carcinoma | | | | | | | | | | | | X | | | | | | | | | | | | | | | X |
| Hemangiosarcoma | | | | | | | | | | | | | | | | | | | X | | | | | | | | X |
| Polyp Stromal | | | | | X | X | | | | | | | | | | | | | | | | X | | | | | X |

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 x .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

TDMS No. 20304 - 01
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/SD

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 TEF evaluation (PCB 118)
 CAS Number: 31508-00-6

Date Report Requested: 06/26/2008
 Time Report Requested: 12:05:16
 First Dose M/F: NA / 03/26/04
 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 |
|----------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 4 | 6 | 6 | 7 | 7 | 5 | 7 | 5 | 7 | 7 | 0 | 7 | 6 | 7 | 7 | 7 | 7 | 5 | 7 | 7 | 7 | 6 | 7 | 6 | 4 |
| | 8 | 5 | 0 | 3 | 2 | 1 | 3 | 6 | 3 | 3 | 6 | 3 | 8 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 7 | 1 | 6 | 0 |
| | 7 | 2 | 2 | 4 | 5 | 6 | 3 | 1 | 5 | 5 | 4 | 5 | 0 | 3 | 5 | 4 | 5 | 1 | 3 | 3 | 5 | 4 | 8 | 9 | 7 |
| SPRAGUE-DAWLEY RATS | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 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 |
| 1000 UG/KG | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| ANIMAL ID | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 4 |
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 0 | 6 | 7 | 8 | 9 | 0 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 |

females (cont...)

Squamous Cell Carcinoma
 Bilateral, Polyp Stromal

X
 X X

Vagina
 Schwannoma Malignant

+
 X

HEMATOPOIETIC SYSTEM

Bone Marrow

+ +

Lymph Node, Mandibular
 Lymphoma Malignant

+
 X

Lymph Node, Mesenteric
 Carcinoma, Metastatic, Ovary
 Carcinoma, Metastatic, Uterus

+
 X
 X

Spleen
 Carcinoma, Metastatic, Uterus
 Lymphoma Malignant

+
 X
 X

Thymus
 Lymphoma Malignant

+ + + + + + + + + + + + M + + + + + + + + + + + + + + + + M +
 X

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 x .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

TDMS No. 20304 - 01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/SD

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

TEF evaluation (PCB 118)

CAS Number: 31508-00-6

Date Report Requested: 06/26/2008

Time Report Requested: 12:05:16

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

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 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 4 | 6 | 6 | 7 | 7 | 5 | 7 | 5 | 7 | 7 | 0 | 7 | 6 | 7 | 7 | 7 | 7 | 5 | 7 | 7 | 7 | 6 | 7 | 6 | 4 |
| | 8 | 5 | 0 | 3 | 2 | 1 | 3 | 6 | 3 | 3 | 6 | 3 | 8 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 7 | 1 | 6 | 0 |
| | 7 | 2 | 2 | 4 | 5 | 6 | 3 | 1 | 5 | 5 | 4 | 5 | 0 | 3 | 5 | 4 | 5 | 1 | 3 | 3 | 5 | 4 | 8 | 9 | 7 |
| SPRAGUE-DAWLEY RATS
FEMALE
1000 UG/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 |
| ANIMAL ID | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 4 |
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 0 | 6 | 7 | 8 | 9 | 0 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 |

**females
(cont...)**

Urinary Bladder

+ +

SYSTEMIC LESIONS

Multiple Organ

+ +

Lymphoma Malignant

X

* .. Total animals with tissue examined microscopically; Total animals with tumor
+ .. Tissue examined microscopically
x .. Lesion present
I .. Insufficient tissue

M .. Missing tissue
A .. Autolysis precludes evaluation
BLANK .. Not examined microscopically

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 Time Report Requested: 12:05:16
 First Dose M/F: NA / 03/26/04
 Lab: BAT

| DAY ON TEST | 0 | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| | 7 2 7 7 7 6 7 7 6 6 5 7 4 7 7 7 4 7 7 5 7 7 5 7 7 | | | | | | | | | | | | | | | | | | | | | | | |
| SPRAGUE-DAWLEY RATS
FEMALE
1000 UG/KG | 3 9 3 3 3 4 3 3 0 7 8 3 8 3 3 3 8 3 3 5 3 3 9 3 3 | | | | | | | | | | | | | | | | | | | | | | | |
| | 3 8 4 5 4 2 3 3 2 8 6 5 4 5 4 5 0 3 4 1 3 4 3 4 3 | | | | | | | | | | | | | | | | | | | | | | | |
| ANIMAL ID | 0 | | | | | | | | | | | | | | | | | | | | | | | |
| | 0 | | | | | | | | | | | | | | | | | | | | | | | |
| | 6 | | | | | | | | | | | | | | | | | | | | | | | |
| | 4 4 5 5 5 5 5 5 5 5 6 6 6 6 6 6 6 6 6 6 6 6 7 7 7 | | | | | | | | | | | | | | | | | | | | | | | |
| | 5 6 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1 2 3 | | | | | | | | | | | | | | | | | | | | | | | |

females (cont...)

ALIMENTARY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | |
|----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Esophagus | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Large, Cecum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Large, Colon | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Large, Rectum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Carcinoma, Metastatic, Ovary | | | | | | | | | | | | | | | | | | | | | | | | |
| Intestine Small, Duodenum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Small, Ileum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Small, Jejunum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Liver | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Carcinoma, Metastatic, Uterus | | | | | | | | | | | | | | | | | | | | | | | | |
| Cholangiocarcinoma | | | | | | | | | | | | | | | | | | | | | | | | |
| Hepatocellular Adenoma | | | | | | | | | | | | | | | | | | | | | | | | |
| Hepatocellular Adenoma, Multiple | | | | | | | | | | | | | | | | | | | | | | | | |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | | | | | | | | |

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 x .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

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Test Type: CHRONIC
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 TEF evaluation (PCB 118)
CAS Number: 31508-00-6

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Time Report Requested: 12:05:16
First Dose M/F: NA / 03/26/04
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 | 2 | 7 | 7 | 7 | 6 | 7 | 7 | 6 | 6 | 5 | 7 | 4 | 7 | 7 | 7 | 4 | 7 | 7 | 5 | 7 | 7 | 5 | 7 | 7 |
| | 3 | 9 | 3 | 3 | 3 | 4 | 3 | 3 | 0 | 7 | 8 | 3 | 8 | 3 | 3 | 3 | 8 | 3 | 3 | 5 | 3 | 3 | 9 | 3 | 3 |
| | 3 | 8 | 4 | 5 | 4 | 2 | 3 | 3 | 2 | 8 | 6 | 5 | 4 | 5 | 4 | 5 | 0 | 3 | 4 | 1 | 3 | 4 | 3 | 4 | 3 |
| SPRAGUE-DAWLEY 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 |
| 1000 UG/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 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| | 4 | 4 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 7 | 7 | 7 | 7 |
| | 5 | 6 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 |

females (cont...)

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--|
| Heart | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Carcinoma, Metastatic, Ovary | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Schwannoma Benign | | | | | | | | | | | | | | | | | | | | | | | | | | |

ENDOCRINE SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|------------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Adrenal Cortex | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Carcinoma, Metastatic, Ovary | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Adrenal Medulla | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Pheochromocytoma Benign | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Pheochromocytoma Malignant | | X | | | | | | | | | | | | | | | | | | | | | | | | |
| Bilateral, Pheochromocytoma Benign | | | | | | X | | | | | | | | | | | | | | | | | | | | |
| Islets, Pancreatic | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Parathyroid Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Pituitary Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Pars Distalis, Adenoma | | | X | X | X | | X | X | X | | | | | | | | X | X | X | | | | | | | |
| Thyroid Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 x .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

TDMS No. 20304 - 01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/SD

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
TEF evaluation (PCB 118)
CAS Number: 31508-00-6

Date Report Requested: 06/26/2008
Time Report Requested: 12:05:16
First Dose M/F: NA / 03/26/04
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 | 2 | 7 | 7 | 7 | 6 | 7 | 7 | 6 | 6 | 5 | 7 | 4 | 7 | 7 | 7 | 4 | 7 | 7 | 5 | 7 | 7 | 5 | 7 | 7 |
| | 3 | 9 | 3 | 3 | 3 | 4 | 3 | 3 | 0 | 7 | 8 | 3 | 8 | 3 | 3 | 3 | 8 | 3 | 3 | 5 | 3 | 3 | 9 | 3 | 3 |
| | 3 | 8 | 4 | 5 | 4 | 2 | 3 | 3 | 2 | 8 | 6 | 5 | 4 | 5 | 4 | 5 | 0 | 3 | 4 | 1 | 3 | 4 | 3 | 4 | 3 |
| SPRAGUE-DAWLEY RATS | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 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 |
| 1000 UG/KG | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| ANIMAL ID | 4 | 4 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 7 | 7 | 7 | 7 |
| | 5 | 6 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 |
| Bilateral, C-cell, Adenoma | X | | | | | | | | | | | | | | | | | | | | | | | | |
| C-cell, Adenoma | | | | X | | | | | | | | | | | | | | X | | | | | | | |
| Follicular Cell, Adenoma | | | | | | | | | | | | | | | | | | | | | | | | X | |

females
(cont...)

GENERAL BODY SYSTEM

NONE

GENITAL SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Clitoral Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Carcinoma | | | | | | | | | | | | | | | | | | | | | | | | | |
| Ovary | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Carcinoma, Metastatic, Uterus | | | | | | | | | | | | | | | | | | | | | | | | | |
| Thecoma Benign | | | | | | | | | | | | | | | | | | | | | | | | | X |
| Bilateral, Adamantinoma Malignant, Metastatic, Ovary | | | | | | | | | | | | | | | | | | | | | | | | | |
| Bilateral, Carcinoma, Metastatic, Ovary | | | | | | | | | | | | | | | | | | | | | | | | | |
| Uterus | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Carcinoma | | | | | | | | | | | | | | | | | | | | | | | | | X |
| Hemangiosarcoma | | | | | | | | | | | | | | | | | | | | | | | | | |
| Polyp Stromal | | | | | | | X | | | | | | | X | | | | | | | | | | | |

* .. Total animals with tissue examined microscopically; Total animals with tumor
+ .. Tissue examined microscopically
x .. Lesion present
I .. Insufficient tissue

M .. Missing tissue
A .. Autolysis precludes evaluation
BLANK .. Not examined microscopically

TDMS No. 20304 - 01
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/SD

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

TEF evaluation (PCB 118)

CAS Number: 31508-00-6

Date Report Requested: 06/26/2008

Time Report Requested: 12:05:16

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

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 | 2 | 7 | 7 | 7 | 6 | 7 | 7 | 6 | 6 | 5 | 7 | 4 | 7 | 7 | 7 | 4 | 7 | 7 | 5 | 7 | 7 | 5 | 7 | 7 |
| | 3 | 9 | 3 | 3 | 3 | 4 | 3 | 3 | 0 | 7 | 8 | 3 | 8 | 3 | 3 | 3 | 8 | 3 | 3 | 5 | 3 | 3 | 9 | 3 | 3 |
| | 3 | 8 | 4 | 5 | 4 | 2 | 3 | 3 | 2 | 8 | 6 | 5 | 4 | 5 | 4 | 5 | 0 | 3 | 4 | 1 | 3 | 4 | 3 | 4 | 3 |
| SPRAGUE-DAWLEY 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 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| ANIMAL ID | 4 | 4 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 7 | 7 | 7 | 7 |
| 1000 UG/KG | 5 | 6 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 |

females
(cont...)

Squamous Cell Carcinoma
 Bilateral, Polyp Stromal

Vagina
 Schwannoma Malignant

HEMATOPOIETIC SYSTEM

Bone Marrow

+ +

Lymph Node, Mandibular
 Lymphoma Malignant

+ +

Lymph Node, Mesenteric
 Carcinoma, Metastatic, Ovary
 Carcinoma, Metastatic, Uterus

+ +

Spleen
 Carcinoma, Metastatic, Uterus
 Lymphoma Malignant

+ +

Thymus
 Lymphoma Malignant

+ +

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 x .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

TDMS No. 20304 - 01
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 Route: GAVAGE
 Species/Strain: RATS/SD

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 TEF evaluation (PCB 118)
 CAS Number: 31508-00-6

Date Report Requested: 06/26/2008
 Time Report Requested: 12:05:16
 First Dose M/F: NA / 03/26/04
 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 | 2 | 7 | 7 | 7 | 6 | 7 | 7 | 6 | 6 | 5 | 7 | 4 | 7 | 7 | 7 | 4 | 7 | 7 | 5 | 7 | 7 | 5 | 7 | 7 |
| | 3 | 9 | 3 | 3 | 3 | 4 | 3 | 3 | 0 | 7 | 8 | 3 | 8 | 3 | 3 | 3 | 8 | 3 | 3 | 5 | 3 | 3 | 9 | 3 | 3 |
| | 3 | 8 | 4 | 5 | 4 | 2 | 3 | 3 | 2 | 8 | 6 | 5 | 4 | 5 | 4 | 5 | 0 | 3 | 4 | 1 | 3 | 4 | 3 | 4 | 3 |
| SPRAGUE-DAWLEY 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 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| ANIMAL ID | 4 | 4 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | |
| 1000 UG/KG | 5 | 6 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 |

females
(cont...)

INTEGUMENTARY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | |
|------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Mammary Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Adenoma | | | | | | | | | X | | | | | | | | | | | | | | | |
| Carcinoma | | | | | | | | | | | | | | | X | | | | | | | | | |
| Fibroadenoma | X | | X | | | | | | | | | | | X | | | | X | | X | | X | | X |
| Fibroadenoma, Multiple | | | | | | | X | | | | | X | | X | | | | | | | | | | |
| Skin | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Fibroma | | | | | | | | | | | | | | | | | | | | | | | | |

MUSCULOSKELETAL SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | |
|-------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Bone | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Skeletal Muscle | | | | | | | | | | | | | | | | | | | | | | | | |
| Carcinoma, Metastatic, Uterus | | | | | | | | | | | | | | | | | | | | | | | | |

NERVOUS SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | |
|----------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Brain | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Glioma Malignant | | | | | | | | | | | | | | | | | | | | | | | | |
| Meningioma Malignant | | | | | | | | | | | | | | | | | | | | | | | | |

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 x .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

TDMS No. 20304 - 01
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/SD

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 TEF evaluation (PCB 118)
 CAS Number: 31508-00-6

Date Report Requested: 06/26/2008
 Time Report Requested: 12:05:16
 First Dose M/F: NA / 03/26/04
 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 | 2 | 7 | 7 | 7 | 6 | 7 | 7 | 6 | 6 | 5 | 7 | 4 | 7 | 7 | 7 | 4 | 7 | 7 | 5 | 7 | 7 | 5 | 7 | 7 |
| | 3 | 9 | 3 | 3 | 3 | 4 | 3 | 3 | 0 | 7 | 8 | 3 | 8 | 3 | 3 | 3 | 8 | 3 | 3 | 5 | 3 | 3 | 9 | 3 | 3 |
| | 3 | 8 | 4 | 5 | 4 | 2 | 3 | 3 | 2 | 8 | 6 | 5 | 4 | 5 | 4 | 5 | 0 | 3 | 4 | 1 | 3 | 4 | 3 | 4 | 3 |
| SPRAGUE-DAWLEY 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 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| 1000 UG/KG | 4 | 4 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 7 | 7 | 7 | 7 |
| | 5 | 6 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 |

**females
(cont...)**

RESPIRATORY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|-------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Lung | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Carcinoma, Metastatic, Ovary | | | | | | | | | | | | | | | | | | | | | | | | | |
| Carcinoma, Metastatic, Uterus | | | | | | | | | | | | | | | | | | | | | | | | | |
| Nose | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Trachea | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |

SPECIAL SENSES SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Eye | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Harderian Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |

URINARY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|-------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Kidney | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Carcinoma, Metastatic, Uterus | | | | | | | | | | | | | | | | | | | | | | | | | |
| Ureter | | | | | | | | | | | | | | | | | | | | | | | | | |
| Carcinoma, Metastatic, Ovary | | | | | | | | | | | | | | | | | | | | | | | | | |

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 x .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

TDMS No. 20304 - 01
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/SD

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 TEF evaluation (PCB 118)
 CAS Number: 31508-00-6

Date Report Requested: 06/26/2008
 Time Report Requested: 12:05:16
 First Dose M/F: NA / 03/26/04
 Lab: BAT

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|------------------------------|
| DAY ON TEST | 0
7
3
3 | 0
2
9
8 | 0
7
3
4 | 0
7
3
5 | 0
7
3
4 | 0
6
4
2 | 0
7
3
3 | 0
7
3
3 | 0
6
0
2 | 0
6
7
8 | 0
5
8
6 | 0
7
3
5 | 0
4
8
4 | 0
7
3
5 | 0
7
3
4 | 0
4
3
5 | 0
7
8
0 | 0
7
3
4 | 0
5
3
1 | 0
7
3
3 | 0
7
9
4 | 0
5
3
3 | 0
7
3
4 | 0
7
3
4 | |
| SPRAGUE-DAWLEY RATS
FEMALE
1000 UG/KG | 0
0
6
4
5 | 0
0
6
4
6 | 0
0
6
5
1 | 0
0
6
5
2 | 0
0
6
5
3 | 0
0
6
5
4 | 0
0
6
5
5 | 0
0
6
5
6 | 0
0
6
5
7 | 0
0
6
5
8 | 0
0
6
5
9 | 0
0
6
5
0 | 0
0
6
6
1 | 0
0
6
6
2 | 0
0
6
6
3 | 0
0
6
6
4 | 0
0
6
6
5 | 0
0
6
6
6 | 0
0
6
6
7 | 0
0
6
6
8 | 0
0
6
6
9 | 0
0
6
7
0 | 0
0
6
7
1 | 0
0
6
7
2 | 0
0
6
7
3 |
| ANIMAL ID | | | | | | | | | | | | | | | | | | | | | | | | | females
(cont...) |

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Urinary Bladder | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
|-----------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|

SYSTEMIC LESIONS

| | | | | | | | | | | | | | | | | | | | | | | | | |
|--------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Multiple Organ | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | | | | | | | | |

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 x .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

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 Time Report Requested: 12:05:16
 First Dose M/F: NA / 03/26/04
 Lab: BAT

| DAY ON TEST | 0 | 0 |
|----------------------------|---|-----------------|
| | 4 | 5 |
| | 2 | 3 |
| | 1 | 0 |
| | | |
| SPRAGUE-DAWLEY RATS | 0 | 0 |
| FEMALE | 0 | 0 |
| | 6 | 6 |
| ANIMAL ID | 7 | 7 |
| 1000 UG/KG | 4 | 5 |
| | | * TOTALS |

ALIMENTARY SYSTEM

| | | | |
|----------------------------------|---|---|-----------|
| Esophagus | + | + | 52 |
| Intestine Large, Cecum | + | + | 52 |
| Intestine Large, Colon | + | + | 52 |
| Intestine Large, Rectum | + | + | 52 |
| Carcinoma, Metastatic, Ovary | | | 1 |
| Intestine Small, Duodenum | + | + | 52 |
| Intestine Small, Ileum | + | + | 52 |
| Intestine Small, Jejunum | + | + | 52 |
| Liver | + | + | 52 |
| Carcinoma, Metastatic, Uterus | | | 1 |
| Cholangiocarcinoma | | | 3 |
| Hepatocellular Adenoma | | | 8 |
| Hepatocellular Adenoma, Multiple | | | 4 |
| Lymphoma Malignant | | | 1 |

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 x .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

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 Lab: BAT

| DAY ON TEST | | 0 | 0 | |
|-------------------------------|-----|---|---|-----------------|
| | | 4 | 5 | |
| | | 2 | 3 | |
| | | 1 | 0 | |
| SPRAGUE-DAWLEY RATS | | 0 | 0 | |
| FEMALE | | 0 | 0 | |
| | | 6 | 6 | |
| ANIMAL ID | | 7 | 7 | |
| 1000 UG/KG | | 4 | 5 | |
| | | | | * TOTALS |
| Mesentery | | | | 9 |
| Carcinoma, Metastatic, Ovary | | | | 1 |
| Carcinoma, Metastatic, Uterus | | | | 2 |
| Oral Mucosa | | | | 1 |
| Pancreas | + + | | | 52 |
| Carcinoma, Metastatic, Ovary | | | | 1 |
| Carcinoma, Metastatic, Uterus | | | | 1 |
| Acinus, Adenoma | | | | 3 |
| Salivary Glands | + + | | | 52 |
| Stomach, Forestomach | + + | | | 52 |
| Carcinoma, Metastatic, Ovary | | | | 1 |
| Stomach, Glandular | + + | | | 52 |
| Carcinoma, Metastatic, Ovary | | | | 1 |
| Tooth | | | | 4 |

CARDIOVASCULAR SYSTEM

| | | | | |
|--------------|-----|--|--|-----------|
| Blood Vessel | + + | | | 52 |
|--------------|-----|--|--|-----------|

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 x .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

TDMS No. 20304 - 01
 Test Type: CHRONIC
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P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 TEF evaluation (PCB 118)
 CAS Number: 31508-00-6

Date Report Requested: 06/26/2008
 Time Report Requested: 12:05:16
 First Dose M/F: NA / 03/26/04
 Lab: BAT

| DAY ON TEST | 0 | 0 | 4 | 5 | 2 | 3 | 1 | 0 |
|----------------------------|-----------|---|---|---|---|---|---|-----------------|
| <hr/> | | | | | | | | |
| SPRAGUE-DAWLEY RATS | 0 | 0 | 0 | 0 | 6 | 6 | 7 | 7 |
| FEMALE | 0 | 0 | 0 | 0 | 6 | 6 | 7 | 7 |
| 1000 UG/KG | ANIMAL ID | | | | 4 | 5 | | |
| | | | | | | | | * TOTALS |

| | | | | | | | | | |
|------------------------------|---|---|--|--|--|--|--|--|-----------|
| Heart | + | + | | | | | | | 52 |
| Carcinoma, Metastatic, Ovary | | | | | | | | | 1 |
| Lymphoma Malignant | | | | | | | | | 1 |
| Schwannoma Benign | | | | | | | | | 1 |

ENDOCRINE SYSTEM

| | | | | | | | | | |
|------------------------------------|---|---|--|--|--|--|--|--|-----------|
| Adrenal Cortex | + | + | | | | | | | 52 |
| Carcinoma, Metastatic, Ovary | | | | | | | | | 1 |
| Adrenal Medulla | + | + | | | | | | | 52 |
| Pheochromocytoma Benign | | | | | | | | | 1 |
| Pheochromocytoma Malignant | | | | | | | | | 1 |
| Bilateral, Pheochromocytoma Benign | | | | | | | | | 1 |
| Islets, Pancreatic | + | + | | | | | | | 52 |
| Parathyroid Gland | + | + | | | | | | | 50 |
| Pituitary Gland | + | + | | | | | | | 52 |
| Pars Distalis, Adenoma | | | | | | | | | 17 |
| Thyroid Gland | + | + | | | | | | | 52 |

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 x .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

TDMS No. 20304 - 01
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/SD

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 Lab: BAT

| DAY ON TEST | 0 | 0 | |
|----------------------------|---|---|-----------------|
| | 4 | 5 | |
| | 2 | 3 | |
| | 1 | 0 | |
| <hr/> | | | |
| SPRAGUE-DAWLEY RATS | 0 | 0 | |
| FEMALE | 0 | 0 | |
| | 6 | 6 | |
| ANIMAL ID | 7 | 7 | |
| 1000 UG/KG | 4 | 5 | |
| | | | * TOTALS |
| <hr/> | | | |
| Bilateral, C-cell, Adenoma | | | 1 |
| C-cell, Adenoma | | | 4 |
| Follicular Cell, Adenoma | | | 1 |

GENERAL BODY SYSTEM

NONE

GENITAL SYSTEM

| | | | |
|---|---|---|-----------|
| Clitoral Gland | + | + | 51 |
| Carcinoma | | | 1 |
| Ovary | + | + | 52 |
| Carcinoma, Metastatic, Uterus | | | 1 |
| Thecoma Benign | | | 1 |
| Bilateral, Adamantinoma Malignant,
Metastatic, Ovary | | | 1 |
| Bilateral, Carcinoma, Metastatic, Ovary | | | 1 |
| Uterus | + | + | 52 |
| Carcinoma | | | 4 |
| Hemangiosarcoma | | | 1 |
| Polyp Stromal | | | 6 |

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 x .. Lesion present
 I .. Insufficient tissue

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| DAY ON TEST | 0 | 0 | |
|-------------------------------|---|---|-----------------|
| | 4 | 5 | |
| | 2 | 3 | |
| | 1 | 0 | |
| <hr/> | | | |
| SPRAGUE-DAWLEY RATS | 0 | 0 | |
| FEMALE | 0 | 0 | |
| | 6 | 6 | |
| ANIMAL ID | 7 | 7 | |
| 1000 UG/KG | 4 | 5 | |
| | | | * TOTALS |
| Squamous Cell Carcinoma | | | 1 |
| Bilateral, Polyp Stromal | | | 2 |
| <hr/> | | | |
| Vagina | | | 1 |
| Schwannoma Malignant | | | 1 |
| <hr/> | | | |
| HEMATOPOIETIC SYSTEM | | | |
| Bone Marrow | + | + | 52 |
| Lymph Node, Mandibular | + | + | 52 |
| Lymphoma Malignant | | | 1 |
| Lymph Node, Mesenteric | + | + | 52 |
| Carcinoma, Metastatic, Ovary | | | 1 |
| Carcinoma, Metastatic, Uterus | | | 1 |
| Spleen | + | + | 52 |
| Carcinoma, Metastatic, Uterus | | | 1 |
| Lymphoma Malignant | | | 1 |
| Thymus | + | + | 50 |
| Lymphoma Malignant | | | 1 |

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 + .. Tissue examined microscopically
 x .. Lesion present
 I .. Insufficient tissue

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| DAY ON TEST | | | |
|----------------------------|---|---|-----------------|
| | 0 | 0 | |
| | 4 | 5 | |
| | 2 | 3 | |
| | 1 | 0 | |
| | | | |
| SPRAGUE-DAWLEY RATS | 0 | 0 | |
| FEMALE | 0 | 0 | |
| | 6 | 6 | |
| ANIMAL ID | 7 | 7 | |
| 1000 UG/KG | 4 | 5 | |
| | | | * TOTALS |

INTEGUMENTARY SYSTEM

| | | | |
|------------------------|---|---|-----------|
| Mammary Gland | + | + | 52 |
| Adenoma | | | 1 |
| Carcinoma | | | 1 |
| Fibroadenoma | | | 15 |
| Fibroadenoma, Multiple | | | 5 |
| | | | |
| Skin | + | + | 52 |
| Fibroma | | | 1 |

MUSCULOSKELETAL SYSTEM

| | | | |
|-------------------------------|---|---|-----------|
| Bone | + | + | 52 |
| | | | |
| Skeletal Muscle | | | 1 |
| Carcinoma, Metastatic, Uterus | | | 1 |

NERVOUS SYSTEM

| | | | |
|----------------------|---|---|-----------|
| Brain | + | + | 52 |
| Glioma Malignant | | | 1 |
| Meningioma Malignant | | | 1 |

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 + .. Tissue examined microscopically
 x .. Lesion present
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| | | | |
|---------------------|---|---|-----------------|
| DAY ON TEST | 0 | 0 | |
| | 4 | 5 | |
| | 2 | 3 | |
| | 1 | 0 | |
| | | | |
| SPRAGUE-DAWLEY RATS | 0 | 0 | |
| FEMALE | 0 | 0 | |
| | 6 | 6 | |
| ANIMAL ID | 7 | 7 | |
| 1000 UG/KG | 4 | 5 | |
| | | | * TOTALS |

RESPIRATORY SYSTEM

| | | | |
|-------------------------------|---|---|-----------|
| Lung | + | + | 52 |
| Carcinoma, Metastatic, Ovary | | | 1 |
| Carcinoma, Metastatic, Uterus | | | 1 |
| | | | |
| Nose | + | + | 52 |
| | | | |
| Trachea | + | + | 52 |

SPECIAL SENSES SYSTEM

| | | | |
|-----------------|---|---|-----------|
| Eye | + | + | 52 |
| | | | |
| Harderian Gland | + | + | 52 |

URINARY SYSTEM

| | | | |
|-------------------------------|---|---|-----------|
| Kidney | + | + | 52 |
| Carcinoma, Metastatic, Uterus | | | 1 |
| | | | |
| Ureter | | | 1 |
| Carcinoma, Metastatic, Ovary | | | 1 |

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 + .. Tissue examined microscopically
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 BLANK .. Not examined microscopically

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| | | | |
|---------------------|---|---|-----------------|
| DAY ON TEST | 0 | 0 | |
| | 4 | 5 | |
| | 2 | 3 | |
| | 1 | 0 | |
| | | | |
| SPRAGUE-DAWLEY RATS | 0 | 0 | |
| FEMALE | 0 | 0 | |
| | 6 | 6 | |
| ANIMAL ID | 7 | 7 | |
| 1000 UG/KG | 4 | 5 | |
| | | | * TOTALS |

| | | | |
|-----------------|---|---|-----------|
| Urinary Bladder | + | + | 52 |
|-----------------|---|---|-----------|

SYSTEMIC LESIONS

| | | | |
|--------------------|---|---|-----------|
| Multiple Organ | + | + | 52 |
| Lymphoma Malignant | | | 1 |

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 + .. Tissue examined microscopically
 x .. Lesion present
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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 | 0 |
| | 6 | 7 | 4 | 7 | 6 | 7 | 4 | 7 | 7 | 7 | 6 | 7 | 6 | 7 | 1 | 7 | 6 | 7 | 7 | 7 | 5 | 7 | 7 | 7 | 7 | 7 | 7 |
| | 9 | 3 | 8 | 3 | 7 | 3 | 3 | 3 | 3 | 3 | 7 | 1 | 7 | 3 | 5 | 2 | 2 | 3 | 3 | 1 | 6 | 3 | 3 | 3 | 3 | 3 | 3 |
| | 7 | 4 | 4 | 3 | 2 | 3 | 3 | 3 | 3 | 4 | 5 | 3 | 8 | 2 | 5 | 8 | 7 | 3 | 4 | 5 | 1 | 7 | 5 | 4 | 3 | 4 | 4 |
| SPRAGUE-DAWLEY 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 | 0 | 0 |
| | 0 | 0 | 0 | 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 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 3 | 3 | 3 |
| 4600 UG/KG | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 0 | |

females (cont...)

Lymphoma Malignant

X

ENDOCRINE SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Adrenal Cortex
Adenoma | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| | | | | | | X | | | | | | X | | | | | | | | | | | | | | | |
| Adrenal Medulla | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Islets, Pancreatic | M | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Parathyroid Gland
Adenoma | M | + | + | + | + | + | + | + | + | + | + | + | + | + | M | M | + | + | + | + | + | + | + | + | + | + | + |
| Pituitary Gland
Pars Distalis, Adenoma | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| | | | | | | | | | | | | X | | | | | | | | | | | | | | | |
| Thyroid Gland
C-cell, Adenoma | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |

GENERAL BODY SYSTEM

NONE

GENITAL SYSTEM

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 x .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
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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 |
| | 6 | 7 | 4 | 7 | 6 | 7 | 4 | 7 | 7 | 7 | 6 | 7 | 6 | 7 | 1 | 7 | 6 | 7 | 7 | 7 | 5 | 7 | 7 | 7 |
| | 9 | 3 | 8 | 3 | 7 | 3 | 3 | 3 | 3 | 3 | 7 | 1 | 7 | 3 | 5 | 2 | 2 | 3 | 3 | 1 | 6 | 3 | 3 | 3 |
| | 7 | 4 | 4 | 3 | 2 | 3 | 3 | 3 | 4 | 5 | 3 | 8 | 2 | 5 | 8 | 7 | 3 | 4 | 5 | 1 | 7 | 5 | 4 | 3 |
| SPRAGUE-DAWLEY 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 | 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 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 3 |
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
| 4600 UG/KG | | | | | | | | | | | | | | | | | | | | | | | | females (cont...) |

| | | | | | | | | | | | | | | | | | | | | | | | |
|--------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Clitoral Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Ovary | M | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Uterus | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Carcinoma | | | | X | X | | | | | | | | | | | | | | | | | | |
| Polyp Stromal | | X | | | | | | | | X | X | | | | | | X | | | | | | |
| Schwannoma Malignant | | | | | | | | | | | | X | | | | | | | | | | | |
| Bilateral, Polyp Stromal | | | | | | | | | | | | | X | | | | | | | | | | |

HEMATOPOIETIC SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | |
|--------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Bone Marrow | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Lymphoma Malignant | | | | | | | | | | | X | | | | | | | | | | | | |
| Lymph Node | | | | | | | | | | | | | | | | | | | | | | | + |
| Pancreatic, Lymphoma Malignant | | | | | | | | | | | | | | | | | | | | | | | |
| Lymph Node, Mandibular | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Lymphoma Malignant | | | | | | | | | | | X | | | | | | | | | | | | |
| Lymph Node, Mesenteric | M | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Lymphoma Malignant | | | | | | | | | | | X | | | | | | | | | | | | |

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 x .. Lesion present
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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 | |
| | 6 | 7 | 4 | 7 | 6 | 7 | 4 | 7 | 7 | 7 | 6 | 7 | 6 | 7 | 1 | 7 | 6 | 7 | 7 | 7 | 5 | 7 | 7 | 7 |
| | 9 | 3 | 8 | 3 | 7 | 3 | 3 | 3 | 3 | 3 | 7 | 1 | 7 | 3 | 5 | 2 | 2 | 3 | 3 | 1 | 6 | 3 | 3 | 3 |
| | 7 | 4 | 4 | 3 | 2 | 3 | 3 | 3 | 4 | 5 | 3 | 8 | 2 | 5 | 8 | 7 | 3 | 4 | 5 | 1 | 7 | 5 | 4 | 3 |

SPRAGUE-DAWLEY RATS FEMALE

4600 UG/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 |
| 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 3 |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |

females (cont...)

Lymphoma Malignant

Spinal Cord

RESPIRATORY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Lung | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Cystic Keratinizing Epithelioma | X | | | X | | | | | | X | | | | | | | | X | X | | | | |
| Cystic Keratinizing Epithelioma, Multiple | | | | | X | | | | X | X | | | | X | | | | | | X | | | |
| Lymphoma Malignant | | | | | | | | | | X | | | | | | | | | | | | | |
| Nose | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Trachea | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |

SPECIAL SENSES SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Eye | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Harderian Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |

URINARY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | |
|--------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Kidney | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
|--------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|

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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 | |
|----------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 6 | 7 | 4 | 7 | 6 | 7 | 4 | 7 | 7 | 7 | 6 | 7 | 6 | 7 | 1 | 7 | 6 | 7 | 7 | 7 | 5 | 7 | 7 | 7 | |
| | 9 | 3 | 8 | 3 | 7 | 3 | 3 | 3 | 3 | 3 | 7 | 1 | 7 | 3 | 5 | 2 | 2 | 3 | 3 | 1 | 6 | 3 | 3 | 3 | |
| | 7 | 4 | 4 | 3 | 2 | 3 | 3 | 3 | 4 | 5 | 3 | 8 | 2 | 5 | 8 | 7 | 3 | 4 | 5 | 1 | 7 | 5 | 4 | 3 | |
| SPRAGUE-DAWLEY 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 | 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 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | |
| 4600 UG/KG | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 3 | |
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 |
| | | | | | | | | | | | | | | | | | | | | | | | | | |

females (cont...)

Urinary Bladder +

SYSTEMIC LESIONS

Multiple Organ +
Lymphoma Malignant X

* .. Total animals with tissue examined microscopically; Total animals with tumor
+ .. Tissue examined microscopically
x .. Lesion present
I .. Insufficient tissue
M .. Missing tissue
A .. Autolysis precludes evaluation
BLANK .. Not examined microscopically

TDMS No. 20304 - 01
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/SD

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 TEF evaluation (PCB 118)
 CAS Number: 31508-00-6

Date Report Requested: 06/26/2008
 Time Report Requested: 12:05:16
 First Dose M/F: NA / 03/26/04
 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 |
|---------------------|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SPRAGUE-DAWLEY RATS | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 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 |
| 4600 UG/KG | | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| ANIMAL ID | | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | 5 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 7 |
| | | 5 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 3 | 6 | 7 | 8 | 9 | 0 | 6 | 7 | 8 | 9 | 0 | 6 | 7 |

females
(cont...)

ALIMENTARY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | |
|----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Esophagus | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Large, Cecum | + | + | + | + | + | + | + | + | + | M | + | M | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Large, Colon | + | + | + | + | + | + | + | + | + | M | + | M | + | + | + | M | + | + | + | + | + | + | + | + |
| Intestine Large, Rectum | + | + | + | + | + | + | + | + | + | M | + | M | + | + | + | + | + | + | + | + | + | + | + | + |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | | | | | | | | X |
| Intestine Small, Duodenum | + | + | + | + | + | + | + | + | + | M | + | M | + | + | + | M | + | + | + | + | + | + | + | + |
| Intestine Small, Ileum | + | + | + | + | + | + | + | + | + | M | + | M | + | + | + | M | + | + | + | + | + | + | + | + |
| Intestine Small, Jejunum | + | + | + | + | + | + | + | + | + | M | + | M | + | + | + | M | + | + | + | + | + | + | + | + |
| Liver | + | + | + | + | + | + | + | + | + | M | + | M | + | + | + | M | + | + | + | + | + | + | + | + |
| Cholangiocarcinoma | | | | | | | | | | | | | | | X | | | | | X | | | | |
| Cholangiocarcinoma, Multiple | | | X | X | X | X | X | X | | X | | | X | | | X | X | | | X | | X | | X |
| Hepatocellular Adenoma | | | | | X | | | | | | | | X | | | X | | X | | | | X | | X |
| Hepatocellular Adenoma, Multiple | | | X | X | | | | | X | | X | | | | | | X | | | | X | | | |
| Hepatocellular Carcinoma | | | | | | | | | | | | | | | | | | | | | | | | |
| Hepatocholangioma | | | | | | | | | | | | | | | | | X | | | | | X | | |

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 x .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

TDMS No. 20304 - 01
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/SD

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 TEF evaluation (PCB 118)
 CAS Number: 31508-00-6

Date Report Requested: 06/26/2008
 Time Report Requested: 12:05:16
 First Dose M/F: NA / 03/26/04
 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 | 4 | 6 | 7 | 7 | 6 | 6 | 7 | 0 | 0 | 7 | 0 | 7 | 6 | 7 | 6 | 6 | 7 | 6 | 7 | 7 | 7 | 7 | 4 | 7 |
| | 6 | 5 | 9 | 3 | 3 | 7 | 2 | 3 | 5 | 7 | 3 | 7 | 3 | 5 | 3 | 4 | 8 | 3 | 1 | 3 | 3 | 3 | 1 | 8 | 3 |
| | 5 | 9 | 2 | 3 | 3 | 7 | 0 | 4 | 4 | 1 | 4 | 5 | 3 | 2 | 3 | 2 | 7 | 5 | 7 | 3 | 4 | 5 | 1 | 4 | 4 |

| SPRAGUE-DAWLEY RATS
FEMALE
4600 UG/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 |
| | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| ANIMAL ID | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | 5 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 6 | 7 | 7 | 7 | 7 |
| | 5 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 3 | 6 | 7 | 8 | 9 | 0 | 6 | 7 | 8 | 9 | 0 | 6 | 7 | 8 |

females
(cont...)

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|-------------------------|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Lymphoma Malignant | | | | | | | | | | | | | | | | | | | | | | | | | X |
| Mesentery | | + | | | | + | | | | | | | | | | | + | | | | | | | | |
| Oral Mucosa | | | | | | + | | | | | | | | | | | | | | | | | | | |
| Squamous Cell Carcinoma | | | | | | | | | | | | | | | | | | | | | | | | | X |
| Pancreas | | + | + | + | + | + | + | + | + | + | M | + | M | + | + | + | M | + | + | + | + | + | + | + | + |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | | | | | | | | | X |
| Acinus, Adenoma | | | | | | | | | | | | | | | | | | | | | | | | | |
| Acinus, Carcinoma | | | | | | | | | | | X | | | | | | | | | | | | | | |
| Salivary Glands | | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Stomach, Forestomach | | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Stomach, Glandular | | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Tooth | | | | | | + | | | | | | | | | | | | | | | | | + | | |

CARDIOVASCULAR SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|--------------|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Blood Vessel | | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Heart | | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | M | + | + | + | + | + | + | + | + |

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 x .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

TDMS No. 20304 - 01
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/SD

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 TEF evaluation (PCB 118)
 CAS Number: 31508-00-6

Date Report Requested: 06/26/2008
 Time Report Requested: 12:05:16
 First Dose M/F: NA / 03/26/04
 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 | 4 | 6 | 7 | 7 | 6 | 6 | 7 | 0 | 0 | 7 | 0 | 7 | 6 | 7 | 6 | 6 | 7 | 6 | 7 | 7 | 7 | 7 | 4 | 7 |
| | 6 | 5 | 9 | 3 | 3 | 7 | 2 | 3 | 5 | 7 | 3 | 7 | 3 | 5 | 3 | 4 | 8 | 3 | 1 | 3 | 3 | 3 | 1 | 8 | 3 |
| | 5 | 9 | 2 | 3 | 3 | 7 | 0 | 4 | 4 | 1 | 4 | 5 | 3 | 2 | 3 | 2 | 7 | 5 | 7 | 3 | 4 | 5 | 1 | 4 | 4 |
| SPRAGUE-DAWLEY 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 |
| 4600 UG/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 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | 5 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 7 | 7 | 7 |
| | 5 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 3 | 6 | 7 | 8 | 9 | 0 | 6 | 7 | 8 | 9 | 0 | 6 | 7 | 8 |

females
(cont...)

Lymphoma Malignant

ENDOCRINE SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Adrenal Cortex | + | + | + | + | + | + | + | + | + | M | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Adenoma | | | | X | | | | | | | | | | | | | | | | | | | | X | |
| Adrenal Medulla | + | + | + | + | + | + | + | + | + | M | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Islets, Pancreatic | + | + | + | + | + | + | + | + | + | M | + | M | + | + | + | M | + | + | + | + | + | + | + | + | + |
| Parathyroid Gland | M | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Adenoma | | X | | | | | | | | | | | | | | | | | | | | | | | |
| Pituitary Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Pars Distalis, Adenoma | | | | | | | | X | | | X | | | | | | | | | | | | X | | |
| Thyroid Gland | M | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| C-cell, Adenoma | | | | X | | | X | | | | | | | | | X | X | | | | | | | | X |

GENERAL BODY SYSTEM

NONE

GENITAL SYSTEM

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 x .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

TDMS No. 20304 - 01
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/SD

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 TEF evaluation (PCB 118)
 CAS Number: 31508-00-6

Date Report Requested: 06/26/2008
 Time Report Requested: 12:05:16
 First Dose M/F: NA / 03/26/04
 Lab: BAT

| DAY ON TEST | 0 | | | | | | | | | | | | | | | | | | | | | | | | 0 |
|-------------|---|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|---|
| | 0 | | | | | | | | | | | | | | | | | | | | | | | | |
| ANIMAL ID | 0 | | | | | | | | | | | | | | | | | | | | | | | | 0 |
| | 7 | | | | | | | | | | | | | | | | | | | | | | | | |
| 4600 UG/KG | 3 4 4 4 4 4 4 4 4 4 4 5 5 5 5 5 6 6 6 6 6 7 7 7 | | | | | | | | | | | | | | | | | | | | | | | | 7 |
| | 5 1 2 3 4 5 6 7 8 9 0 3 6 7 8 9 0 6 7 8 9 0 6 7 8 | | | | | | | | | | | | | | | | | | | | | | | | |

females (cont...)

Clitoral Gland

+ + M + + + + + + M + M + + + + + + + + + + + + +

Ovary

+ + + + + + + + + + M + M + + + + + + + + + + + + +

Uterus

+ + + + + + + + + + M + M + + + + + + + + + + + + +

Carcinoma

X

Polyp Stromal

X

Schwannoma Malignant

Bilateral, Polyp Stromal

X

HEMATOPOIETIC SYSTEM

Bone Marrow

+ +

Lymphoma Malignant

Lymph Node

Pancreatic, Lymphoma Malignant

Lymph Node, Mandibular

Lymphoma Malignant

M +

X

Lymph Node, Mesenteric

Lymphoma Malignant

+ + + + + + + + + + M + M + + + M + + + + + + + + + + + + +

X

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 x .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

TDMS No. 20304 - 01
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/SD

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

TEF evaluation (PCB 118)

CAS Number: 31508-00-6

Date Report Requested: 06/26/2008

Time Report Requested: 12:05:16

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

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 | 4 | 6 | 7 | 7 | 6 | 6 | 7 | 0 | 0 | 7 | 0 | 7 | 6 | 7 | 6 | 6 | 7 | 6 | 7 | 7 | 7 | 7 | 4 | 7 |
| | 6 | 5 | 9 | 3 | 3 | 7 | 2 | 3 | 5 | 7 | 3 | 7 | 3 | 5 | 3 | 4 | 8 | 3 | 1 | 3 | 3 | 3 | 1 | 8 | 3 |
| | 5 | 9 | 2 | 3 | 3 | 7 | 0 | 4 | 4 | 1 | 4 | 5 | 3 | 2 | 3 | 2 | 7 | 5 | 7 | 3 | 4 | 5 | 1 | 4 | 4 |

| SPRAGUE-DAWLEY RATS FEMALE
4600 UG/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 |
| | | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| | | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | 5 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 7 | 7 | 7 |
| | | 5 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 3 | 6 | 7 | 8 | 9 | 0 | 6 | 7 | 8 | 9 | 0 | 6 | 7 |

females (cont...)

Lymphoma Malignant

X

Spinal Cord

+

RESPIRATORY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Lung | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | M | + | + | + | + | + | + | + | + |
| Cystic Keratinizing Epithelioma | | | X | | | | | | X | | | | | X | | | X | X | | | X | | | |
| Cystic Keratinizing Epithelioma, Multiple | | | | X | | | | | | | | | | | | | | | | | | X | | X |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | | | | | | | | |
| Nose | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Trachea | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |

SPECIAL SENSES SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Eye | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Harderian Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |

URINARY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | |
|--------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Kidney | + | + | + | + | + | + | + | + | + | M | + | M | + | + | + | + | + | + | + | + | + | + | + | + |
|--------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 x .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

TDMS No. 20304 - 01
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/SD

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 TEF evaluation (PCB 118)
 CAS Number: 31508-00-6

Date Report Requested: 06/26/2008
 Time Report Requested: 12:05:16
 First Dose M/F: NA / 03/26/04
 Lab: BAT

| | | | |
|---------------------|---|---|-----------------|
| DAY ON TEST | 0 | 0 | |
| | 6 | 7 | |
| | 9 | 3 | |
| | 9 | 3 | |
| | | | |
| SPRAGUE-DAWLEY RATS | 0 | 0 | |
| FEMALE | 0 | 0 | |
| | 7 | 7 | |
| ANIMAL ID | 7 | 8 | |
| 4600 UG/KG | 9 | 0 | |
| | | | * TOTALS |

ALIMENTARY SYSTEM

| | | | |
|----------------------------------|---|---|-----------|
| Esophagus | + | + | 52 |
| Intestine Large, Cecum | + | + | 48 |
| Intestine Large, Colon | + | + | 48 |
| Intestine Large, Rectum | + | + | 50 |
| Lymphoma Malignant | | | 1 |
| Intestine Small, Duodenum | + | + | 48 |
| Intestine Small, Ileum | + | + | 47 |
| Intestine Small, Jejunum | + | + | 48 |
| Liver | + | + | 49 |
| Cholangiocarcinoma | | | 6 |
| Cholangiocarcinoma, Multiple | X | X | 30 |
| Hepatocellular Adenoma | | | 10 |
| Hepatocellular Adenoma, Multiple | | | 14 |
| Hepatocellular Carcinoma | | | 1 |
| Hepatocholangioma | | | 4 |

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 x .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

TDMS No. 20304 - 01
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 Lab: BAT

| DAY ON TEST | | 0 | 0 | |
|----------------------------|-----------|---|---|-----------------|
| | | 6 | 7 | |
| | | 9 | 3 | |
| | | 9 | 3 | |
| <hr/> | | | | |
| SPRAGUE-DAWLEY RATS | | 0 | 0 | |
| FEMALE | | 0 | 0 | |
| | | 7 | 7 | |
| | | 7 | 8 | |
| 4600 UG/KG | ANIMAL ID | 9 | 0 | |
| | | | | * TOTALS |
| <hr/> | | | | |
| Lymphoma Malignant | | | | 2 |
| Mesentery | + | | | 9 |
| Oral Mucosa | | | | 3 |
| Squamous Cell Carcinoma | | | | 2 |
| Pancreas | + | + | | 47 |
| Lymphoma Malignant | | | | 1 |
| Acinus, Adenoma | | | | 1 |
| Acinus, Carcinoma | | | | 1 |
| Salivary Glands | + | + | | 51 |
| Stomach, Forestomach | + | + | | 51 |
| Stomach, Glandular | + | + | | 51 |
| Tooth | | | | 7 |

CARDIOVASCULAR SYSTEM

| | | | | |
|--------------|---|---|--|-----------|
| Blood Vessel | + | + | | 51 |
| Heart | + | + | | 50 |

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 x .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

TDMS No. 20304 - 01
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/SD

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
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 CAS Number: 31508-00-6

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 Time Report Requested: 12:05:16
 First Dose M/F: NA / 03/26/04
 Lab: BAT

| DAY ON TEST | 0 | 0 | |
|----------------------------|---|---|-----------------|
| | 6 | 7 | |
| | 9 | 3 | |
| | 9 | 3 | |
| | | | |
| SPRAGUE-DAWLEY RATS | 0 | 0 | |
| FEMALE | 0 | 0 | |
| | 7 | 7 | |
| ANIMAL ID | 7 | 8 | |
| 4600 UG/KG | 9 | 0 | |
| | | | * TOTALS |

Lymphoma Malignant

1

ENDOCRINE SYSTEM

| | | | |
|------------------------|---|---|-----------|
| Adrenal Cortex | + | + | 49 |
| Adenoma | | | 4 |
| | | | |
| Adrenal Medulla | + | + | 49 |
| | | | |
| Islets, Pancreatic | + | + | 47 |
| | | | |
| Parathyroid Gland | + | + | 47 |
| Adenoma | | | 1 |
| | | | |
| Pituitary Gland | + | + | 52 |
| Pars Distalis, Adenoma | | | 4 |
| | | | |
| Thyroid Gland | + | + | 49 |
| C-cell, Adenoma | | X | 6 |

GENERAL BODY SYSTEM

NONE

GENITAL SYSTEM

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 x .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

TDMS No. 20304 - 01
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/SD

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 TEF evaluation (PCB 118)
 CAS Number: 31508-00-6

Date Report Requested: 06/26/2008
 Time Report Requested: 12:05:16
 First Dose M/F: NA / 03/26/04
 Lab: BAT

| DAY ON TEST | 0 | 0 | |
|----------------------------|---|---|-----------------|
| | 6 | 7 | |
| | 9 | 3 | |
| | 9 | 3 | |
| | | | |
| SPRAGUE-DAWLEY RATS | 0 | 0 | |
| FEMALE | 0 | 0 | |
| | 7 | 7 | |
| ANIMAL ID | 7 | 8 | |
| 4600 UG/KG | 9 | 0 | |
| | | | * TOTALS |

| | | | |
|--------------------------|---|---|-----------|
| Clitoral Gland | + | + | 49 |
| Ovary | + | + | 48 |
| Uterus | + | + | 49 |
| Carcinoma | | | 3 |
| Polyp Stromal | | | 5 |
| Schwannoma Malignant | | | 1 |
| Bilateral, Polyp Stromal | | | 1 |

HEMATOPOIETIC SYSTEM

| | | | |
|--------------------------------|---|---|-----------|
| Bone Marrow | + | + | 52 |
| Lymphoma Malignant | | | 1 |
| Lymph Node | + | | 2 |
| Pancreatic, Lymphoma Malignant | X | | 1 |
| Lymph Node, Mandibular | + | + | 51 |
| Lymphoma Malignant | | | 2 |
| Lymph Node, Mesenteric | + | + | 47 |
| Lymphoma Malignant | | | 2 |

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| DAY ON TEST | 0 | 0 | |
|----------------------------|---|---|-----------------|
| | 6 | 7 | |
| | 9 | 3 | |
| | 9 | 3 | |
| <hr/> | | | |
| SPRAGUE-DAWLEY RATS | 0 | 0 | |
| FEMALE | 0 | 0 | |
| | 7 | 7 | |
| ANIMAL ID | 7 | 8 | |
| 4600 UG/KG | 9 | 0 | |
| | | | * TOTALS |

| | | | |
|--------------------|---|---|-----------|
| Spleen | + | + | 47 |
| Lymphoma Malignant | | | 2 |
| Thymus | + | + | 49 |
| Lymphoma Malignant | | | 1 |

INTEGUMENTARY SYSTEM

| | | | |
|----------------------|---|---|-----------|
| Mammary Gland | + | + | 50 |
| Carcinoma | | | 2 |
| Fibroadenoma | | | 8 |
| Skin | + | + | 51 |
| Schwannoma Malignant | | | 1 |

MUSCULOSKELETAL SYSTEM

| | | | |
|------|---|---|-----------|
| Bone | + | + | 52 |
|------|---|---|-----------|

NERVOUS SYSTEM

| | | | |
|-------|---|---|-----------|
| Brain | + | + | 52 |
|-------|---|---|-----------|

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 x .. Lesion present
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| DAY ON TEST | 0 | 0 | |
|----------------------------|---|---|-----------------|
| | 6 | 7 | |
| | 9 | 3 | |
| | 9 | 3 | |
| | | | |
| SPRAGUE-DAWLEY RATS | 0 | 0 | |
| FEMALE | 0 | 0 | |
| | 7 | 7 | |
| ANIMAL ID | 7 | 8 | |
| 4600 UG/KG | 9 | 0 | |
| | | | * TOTALS |

| | | | |
|--------------------|--|--|----------|
| Lymphoma Malignant | | | 1 |
| | | | |
| Spinal Cord | | | 1 |

RESPIRATORY SYSTEM

| | | | |
|---|---|---|-----------|
| Lung | + | + | 50 |
| Cystic Keratinizing Epithelioma | | X | 12 |
| Cystic Keratinizing Epithelioma, Multiple | | | 8 |
| Lymphoma Malignant | | | 1 |
| | | | |
| Nose | + | + | 52 |
| | | | |
| Trachea | + | + | 52 |

SPECIAL SENSES SYSTEM

| | | | |
|-----------------|---|---|-----------|
| Eye | + | + | 52 |
| | | | |
| Harderian Gland | + | + | 52 |

URINARY SYSTEM

| | | | |
|--------|---|---|-----------|
| Kidney | + | + | 50 |
|--------|---|---|-----------|

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| | | | | |
|----------------------------|-------------|---|---|-----------------|
| | DAY ON TEST | 0 | 0 | |
| | | 6 | 7 | |
| | | 9 | 3 | |
| | | 9 | 3 | |
| | | | | |
| SPRAGUE-DAWLEY RATS | | 0 | 0 | |
| FEMALE | | 0 | 0 | |
| | ANIMAL ID | 7 | 7 | |
| | | 7 | 8 | |
| 4600 UG/KG | | 9 | 0 | |
| | | | | * TOTALS |

| | | | | |
|-----------------|--|---|---|-----------|
| Urinary Bladder | | + | + | 50 |
|-----------------|--|---|---|-----------|

SYSTEMIC LESIONS

| | | | | |
|--------------------|--|---|---|-----------|
| Multiple Organ | | + | + | 52 |
| Lymphoma Malignant | | X | | 3 |

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 x .. Lesion present
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| | DAY ON TEST | | | | | | | | | | | | | | | | | | | | | | | | | |
|---------------------------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|---|------------------------------|
| | 0
6
7
1 | 0
7
3
4 | 0
7
3
5 | 0
6
5
7 | 0
3
0
2 | 0
7
3
4 | 0
7
3
3 | 0
7
3
3 | 0
7
3
3 | 0
4
3
5 | 0
7
3
3 | 0
7
1
8 | 0
7
1
3 | 0
6
7
4 | 0
6
3
6 | 0
5
7
5 | 0
7
3
4 | 0
7
3
2 | 0
7
3
3 | 0
7
2
5 | 0
7
3
4 | 0
7
3
3 | 0
7
3
3 | 0
5
8
9 | | |
| SPRAGUE-DAWLEY 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 | females
(cont...) |
| 4600 UG/KG STOP | 0 | 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 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | |
| | 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 | |

ALIMENTARY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Esophagus | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Large, Cecum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Large, Colon | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Large, Rectum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Small, Duodenum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Carcinoma, Metastatic, Uterus | | | | X | | | | | | | | | | | | | | | | | | | | | |
| Intestine Small, Ileum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Carcinoma, Metastatic, Uterus | X | | | X | | | | | | | | | | | | | | | | | | | | | |
| Intestine Small, Jejunum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Liver | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Carcinoma, Metastatic, Uterus | | | | X | | | | | | | | | X | | | | | | | | | | | | |
| Cholangiocarcinoma | | | | | | X | | | | | X | | | X | | X | | | | | X | | | | |
| Cholangiocarcinoma, Multiple | | | | X | | | X | X | X | | | X | | | | | | | X | | | X | X | X | X |
| Hepatocellular Adenoma, Multiple | | | | | | | | | | | | | | | | | | | | | | X | | | |

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 + .. Tissue examined microscopically
 x .. Lesion present
 I .. Insufficient tissue

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|--|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | 06771 | 07734 | 07735 | 06752 | 07302 | 07733 | 07734 | 07735 | 07743 | 07774 | 07775 | 06776 | 07766 | 07767 | 07768 | 05769 | 07770 | 07771 | 07772 | 07773 | 07774 | 07775 | 07776 | 07777 |

SPRAGUE-DAWLEY RATS FEMALE
4600 UG/KG STOP

| ANIMAL ID | females (cont...) | | | | | | | | | | | | | | | | | | | | | | | |
|-----------|-------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | 08801 | 08802 | 08803 | 08804 | 08805 | 08806 | 08807 | 08808 | 08809 | 08810 | 08811 | 08812 | 08813 | 08814 | 08815 | 08816 | 08817 | 08818 | 08819 | 08820 | 08821 | 08822 | 08823 | 08824 |

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-------------------------------|---|--|-----|---|---|--|--|--|--|--|--|--|---|--|--|--|--|--|--|--|--|--|---|--|---|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| Mesentery | | | | | + | | | | | | | | + | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Carcinoma, Metastatic, Uterus | X | | | X | | | | | | | | | X | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Pancreas | + | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Carcinoma, Metastatic, Uterus | X | | X X | | | | | | | | | | | | | | | | | | | | | | X | | | | | | | | | | | | | | | | | | | | | | | |
| Salivary Glands | + | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Stomach, Forestomach | + | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Squamous Cell Carcinoma | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Squamous Cell Papilloma | | | | | | | | | | | | | | | | | | | | | | | X | | | | | | | | | | | | | | | | | | | | | | | | | |
| Stomach, Glandular | + | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Carcinoma, Metastatic, Uterus | | | | | | | | | | | | | | | | | | | | | | | X | | | | | | | | | | | | | | | | | | | | | | | | | |
| Tongue | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Tooth | | | | | | | | | | | | | + | | | | | | | | | | | | + | | | | | | | | | | | | | | | | | | | | | | | |

CARDIOVASCULAR SYSTEM

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

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
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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 |
| | 6 | 7 | 7 | 6 | 3 | 7 | 7 | 7 | 7 | 4 | 7 | 7 | 6 | 7 | 6 | 5 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 5 |
| | 7 | 3 | 3 | 5 | 0 | 3 | 3 | 3 | 3 | 3 | 1 | 1 | 9 | 3 | 3 | 7 | 4 | 3 | 3 | 2 | 3 | 3 | 3 | 3 | 8 | |
| | 1 | 4 | 5 | 7 | 2 | 3 | 4 | 3 | 5 | 3 | 8 | 3 | 4 | 3 | 0 | 1 | 5 | 3 | 4 | 5 | 5 | 4 | 3 | 3 | 9 | |

**SPRAGUE-DAWLEY RATS
 FEMALE**
 ANIMAL ID
4600 UG/KG STOP

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 |
| 0 | 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...)**

ENDOCRINE SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Adrenal Cortex | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Adenoma | | | | | | | | | | | | | | | | | | X | | | | | | | |
| Carcinoma, Metastatic, Uterus | X | | | | | | | | | | X | | | | | | | | | | | | | | |
| Granulosa Cell Tumor Malignant,
Metastatic, Ovary | | | | | | | | | | | | | | | | | | | | | | | | | X |
| Adrenal Medulla | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Pheochromocytoma Benign | | | | | | | | | | | | | | | | | | | | | | | | | X |
| Islets, Pancreatic | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Parathyroid Gland | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + |
| Pituitary Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Pars Distalis, Adenoma | | X | | | | | | | | | | | X | | | | | | | X | | X | X | | |
| Pars Distalis, Carcinoma | | | | | | | | | | | | | | | | | | | | | | | | | |
| Thyroid Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| C-cell, Adenoma | | | | | | | | X | X | | | | | | | | | | | | | | | | X |
| Follicular Cell, Carcinoma | | | | | | | | | | | | | | | X | | | | | | | | | | |

GENERAL BODY SYSTEM

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 x .. Lesion present
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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 | |
|----------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--|
| | 6 | 7 | 7 | 6 | 3 | 7 | 7 | 7 | 7 | 4 | 7 | 7 | 6 | 7 | 6 | 5 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 5 | | |
| | 7 | 3 | 3 | 5 | 0 | 3 | 3 | 3 | 3 | 3 | 1 | 1 | 9 | 3 | 3 | 7 | 4 | 3 | 3 | 2 | 3 | 3 | 3 | 3 | 8 | | |
| | 1 | 4 | 5 | 7 | 2 | 3 | 4 | 3 | 5 | 3 | 8 | 3 | 4 | 3 | 0 | 1 | 5 | 3 | 4 | 5 | 5 | 4 | 3 | 3 | 9 | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| SPRAGUE-DAWLEY RATS | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 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 | 0 | |
| | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | |
| ANIMAL ID | 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 | | |
| 4600 UG/KG STOP | 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 | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| NONE | | | | | | | | | | | | | | | | | | | | | | | | | | | |

females
(cont...)

GENITAL SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|--------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Clitoral Gland | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Ovary | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Carcinoma, Metastatic, Uterus | X | | X | X | | | | | | | | | | | | | | | | | | | | | |
| Granulosa Cell Tumor Malignant | | | | | | | | | | | | | | | | | | | | | | | | | X |
| Uterus | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Carcinoma | X | | X | X | | | | | | | X | X | | | | X | | | | | | | | | |
| Polyp Stromal | | | | | | X | | | | | | | | | | | | | | | | | X | X | |
| Schwannoma Malignant | | | | | | | | | | | | | | | | | | | | | | | | | |
| Squamous Cell Carcinoma | | | | | | | | | | | | | | | | | | | | | | | | | |
| Bilateral, Polyp Stromal | | | | | | | | | | | | | | | | | | | | | | | | | |

HEMATOPOIETIC SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|--------------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Bone Marrow | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Lymph Node | | | | | | | | | | | | | | | | | | | | | | | | | |
| Renal, Carcinoma, Metastatic, Uterus | | | | | | | | | | | | | | | | | | | | | | | | | |

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 x .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

TDMS No. 20304 - 01
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/SD

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 TEF evaluation (PCB 118)
 CAS Number: 31508-00-6

Date Report Requested: 06/26/2008
 Time Report Requested: 12:05:16
 First Dose M/F: NA / 03/26/04
 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 |
|-----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ANIMAL ID | 6 | 7 | 7 | 6 | 3 | 7 | 7 | 7 | 7 | 4 | 7 | 7 | 6 | 7 | 6 | 6 | 5 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 5 |
| ANIMAL ID | 7 | 3 | 3 | 5 | 0 | 3 | 3 | 3 | 3 | 3 | 1 | 1 | 9 | 3 | 3 | 7 | 4 | 3 | 3 | 2 | 3 | 3 | 3 | 8 | |
| ANIMAL ID | 1 | 4 | 5 | 7 | 2 | 3 | 4 | 3 | 5 | 3 | 8 | 3 | 4 | 3 | 0 | 1 | 5 | 3 | 4 | 5 | 5 | 4 | 3 | 9 | |
| SPRAGUE-DAWLEY 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 | |
| 4600 UG/KG STOP | 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 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | |
| ANIMAL ID | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 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 | |

females (cont...)

| | | | | | | | | | | | | | | | | | | | | | | | | |
|-------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Lymph Node, Mandibular | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Lymph Node, Mesenteric | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Spleen | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Carcinoma, Metastatic, Uterus | X | | | X | | | | | | | X | | | | | | | | | | | | | |
| Thymus | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |

INTEGUMENTARY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | |
|------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Mammary Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Carcinoma | | | | | | | | | | | | | | | | | X | | | | | | | |
| Fibroadenoma | | | | | X | X | | | X | X | X | | | X | | | | X | | | | | | X |
| Fibroadenoma, Multiple | | | | | | | | X | | | | | X | | X | | | | | X | | | | |
| Skin | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Fibroma | | | | | | | | | | | | | | | | | | | | | | | | |

MUSCULOSKELETAL SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Bone | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Skeletal Muscle | | | | | | | | | | | | | | | | | | | | | | | | + |

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 x .. Lesion present
 I .. Insufficient tissue
 M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

TDMS No. 20304 - 01
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/SD

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 TEF evaluation (PCB 118)
 CAS Number: 31508-00-6

Date Report Requested: 06/26/2008
 Time Report Requested: 12:05:16
 First Dose M/F: NA / 03/26/04
 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 |
|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 6 | 7 | 7 | 6 | 3 | 7 | 7 | 7 | 7 | 4 | 7 | 7 | 6 | 7 | 6 | 6 | 5 | 7 | 7 | 7 | 7 | 7 | 7 | 5 |
| | 7 | 3 | 3 | 5 | 0 | 3 | 3 | 3 | 3 | 3 | 1 | 1 | 9 | 3 | 3 | 7 | 4 | 3 | 3 | 2 | 3 | 3 | 3 | 8 |
| | 1 | 4 | 5 | 7 | 2 | 3 | 4 | 3 | 5 | 3 | 8 | 3 | 4 | 3 | 0 | 1 | 5 | 3 | 4 | 5 | 5 | 4 | 3 | 9 |

| SPRAGUE-DAWLEY 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 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | |
| ANIMAL ID | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | |
| 4600 UG/KG STOP | 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...)

Carcinoma, Metastatic, Uterus
 Granulosa Cell Tumor Malignant,
 Metastatic, Ovary

X

NERVOUS SYSTEM

Brain +
 Carcinoma, Metastatic, Pituitary Gland

RESPIRATORY SYSTEM

Lung +
 Carcinoma, Metastatic, Thyroid Gland X
 Carcinoma, Metastatic, Uterus X X

Nose +
 Trachea +

SPECIAL SENSES SYSTEM

Eye +
 Harderian Gland +

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 x .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

TDMS No. 20304 - 01
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/SD

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 TEF evaluation (PCB 118)
 CAS Number: 31508-00-6

Date Report Requested: 06/26/2008
 Time Report Requested: 12:05:16
 First Dose M/F: NA / 03/26/04
 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 | 0 |
|----------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 6 | 7 | 7 | 6 | 3 | 7 | 7 | 7 | 7 | 4 | 7 | 7 | 6 | 7 | 6 | 5 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 5 |
| | 7 | 3 | 3 | 5 | 0 | 3 | 3 | 3 | 3 | 3 | 1 | 1 | 9 | 3 | 3 | 7 | 4 | 3 | 3 | 2 | 3 | 3 | 3 | 3 | 3 | 8 | |
| | 1 | 4 | 5 | 7 | 2 | 3 | 4 | 3 | 5 | 3 | 8 | 3 | 4 | 3 | 0 | 1 | 5 | 3 | 4 | 5 | 5 | 4 | 3 | 3 | 9 | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| SPRAGUE-DAWLEY RATS | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 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 | 0 | 0 |
| | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 |
| ANIMAL ID | 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 | 2 |
| 4600 UG/KG STOP | 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...)

URINARY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Kidney | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Carcinoma, Metastatic, Uterus | | | | X | | | | | | | | | | | | | | | | | | | | | | |
| Granulosa Cell Tumor Malignant, Metastatic, Ovary | | | | | | | | | | | | | | | | | | | | | | | | | | X |
| Renal Tubule, Carcinoma | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Ureter | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Urinary Bladder | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Carcinoma, Metastatic, Uterus | | | | | | | | | | | | | | | | | | | | | | | | | | |

SYSTEMIC LESIONS

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|----------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Multiple Organ | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
|----------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 x .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

TDMS No. 20304 - 01
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/SD

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 TEF evaluation (PCB 118)
 CAS Number: 31508-00-6

Date Report Requested: 06/26/2008
 Time Report Requested: 12:05:16
 First Dose M/F: NA / 03/26/04
 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 | |
| | 1 | 6 | 7 | 7 | 7 | 7 | 7 | 6 | 7 | 6 | 6 | 5 | 5 | 5 | 5 | 7 | 7 | 6 | 7 | 7 | 7 | 7 | 5 | 7 | 2 |
| | 6 | 4 | 3 | 3 | 3 | 3 | 1 | 8 | 3 | 7 | 9 | 7 | 8 | 4 | 6 | 3 | 3 | 1 | 3 | 3 | 3 | 3 | 6 | 3 | 0 |
| | 0 | 2 | 4 | 4 | 3 | 3 | 3 | 0 | 4 | 2 | 6 | 5 | 2 | 5 | 7 | 5 | 3 | 7 | 3 | 3 | 5 | 4 | 7 | 4 | 7 |
| SPRAGUE-DAWLEY 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 |
| 4600 UG/KG STOP | 0 | 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 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 |
| | 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 | | | | | | | | | | | | | | | | | | | | | | | | | |

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|-------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------|
| Mesentery | | | | | | | | | | | | | | | | | | | | | | | | | 9 |
| Carcinoma, Metastatic, Uterus | | | | | | | | | | X | | | | | | | | | | | | | | | 4 |
| Pancreas | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49 |
| Carcinoma, Metastatic, Uterus | | | | | | | | | | | | | | | | | | | | | | | | | 4 |
| Salivary Glands | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Stomach, Forestomach | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49 |
| Squamous Cell Carcinoma | | | | | | | X | | | | | | | | | | | | | | | | | | 1 |
| Squamous Cell Papilloma | | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| Stomach, Glandular | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49 |
| Carcinoma, Metastatic, Uterus | | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| Tongue | | | + | | | | | | | | | | | | | | | | | | | | | | 1 |
| Tooth | | | | + | | | | | | | | | | | | | | + | | | | + | | | 7 |

CARDIOVASCULAR SYSTEM

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

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 x .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

TDMS No. 20304 - 01
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/SD

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 TEF evaluation (PCB 118)
 CAS Number: 31508-00-6

Date Report Requested: 06/26/2008
 Time Report Requested: 12:05:16
 First Dose M/F: NA / 03/26/04
 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 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | |
|-----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------------|
| 1 | 6 | 7 | 7 | 7 | 7 | 7 | 6 | 7 | 6 | 6 | 5 | 5 | 5 | 5 | 7 | 7 | 6 | 7 | 7 | 7 | 7 | 5 | 7 | 2 | | | | | | | | | | | | | | | |
| 6 | 4 | 3 | 3 | 3 | 3 | 1 | 8 | 3 | 7 | 9 | 7 | 8 | 4 | 6 | 3 | 3 | 1 | 3 | 3 | 3 | 3 | 6 | 3 | 0 | | | | | | | | | | | | | | | |
| 0 | 2 | 4 | 4 | 3 | 3 | 3 | 0 | 4 | 2 | 6 | 5 | 2 | 5 | 7 | 5 | 3 | 7 | 3 | 3 | 5 | 4 | 7 | 4 | 7 | | | | | | | | | | | | | | | |
| SPRAGUE-DAWLEY 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 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 4600 UG/KG STOP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 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 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | |
| | 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 |

ENDOCRINE SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|----|----|
| Adrenal Cortex | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49 |
| Adenoma | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| Carcinoma, Metastatic, Uterus | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 |
| Granulosa Cell Tumor Malignant, Metastatic, Ovary | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | |
| Adrenal Medulla | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49 | | |
| Pheochromocytoma Benign | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 |
| Islets, Pancreatic | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49 | |
| Parathyroid Gland | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49 | |
| Pituitary Gland | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |
| Pars Distalis, Adenoma | | | | X | X | | X | | | | X | | | | | | | | | | X | X | | X | | | | | | | | | | | | | | | | 12 | | |
| Pars Distalis, Carcinoma | | | | | | | | | | | | | | | | X | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| Thyroid Gland | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | | |
| C-cell, Adenoma | | | | | | X | | | | X | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 5 | | |
| Follicular Cell, Carcinoma | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |

GENERAL BODY SYSTEM

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 x .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

TDMS No. 20304 - 01
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/SD

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
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 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 |
| | 1 | 6 | 7 | 7 | 7 | 7 | 7 | 6 | 7 | 6 | 6 | 5 | 5 | 5 | 5 | 7 | 7 | 6 | 7 | 7 | 7 | 7 | 5 | 7 | 2 | |
| | 6 | 4 | 3 | 3 | 3 | 3 | 1 | 8 | 3 | 7 | 9 | 7 | 8 | 4 | 6 | 3 | 3 | 1 | 3 | 3 | 3 | 3 | 6 | 3 | 0 | |
| | 0 | 2 | 4 | 4 | 3 | 3 | 3 | 0 | 4 | 2 | 6 | 5 | 2 | 5 | 7 | 5 | 3 | 7 | 3 | 3 | 5 | 4 | 7 | 4 | 7 | |
| SPRAGUE-DAWLEY RATS
FEMALE
4600 UG/KG STOP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | |
| | 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 | | | | | | | | | | | | | | | | | | | | | | | | | |

NONE

GENITAL SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------|-----------|
| Clitoral Gland | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 |
| Ovary | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49 |
| Carcinoma, Metastatic, Uterus | | | | | | | | | | | | | | | | | | | | | | | | | | 3 |
| Granulosa Cell Tumor Malignant | | | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| Uterus | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49 | |
| Carcinoma | | X | | X | | X | | X | | | | | | | X | | | | | | | | | | 11 | |
| Polyp Stromal | | | | | | | | | | | | | | | | | | | | | | | | | 3 | |
| Schwannoma Malignant | | | | | | | | | | X | | | | | | | | | | | X | | | | 2 | |
| Squamous Cell Carcinoma | | | | | | X | | | | | | | | | | | | | | | | | | | 1 | |
| Bilateral, Polyp Stromal | | | | X | | | | | | | | | | | | | | | | | | | | | 1 | |

HEMATOPOIETIC SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|--------------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------|
| Bone Marrow | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Lymph Node | | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| Renal, Carcinoma, Metastatic, Uterus | | | | | | | | | | X | | | | | | | | | | | | | | | 1 |

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 x .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

TDMS No. 20304 - 01
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/SD

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

TEF evaluation (PCB 118)

CAS Number: 31508-00-6

Date Report Requested: 06/26/2008

Time Report Requested: 12:05:16

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

Lab: BAT

| DAY ON TEST | 0 | | | | | | | | | | | | | | | | | | | | | | | | | * TOTALS |
|-----------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----------|
| | 1 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 6 | 7 | 6 | 6 | 5 | 5 | 5 | 5 | 7 | 7 | 6 | 7 | 7 | 7 | 5 | 7 | 2 | |
| ANIMAL ID | 0 | | | | | | | | | | | | | | | | | | | | | | | | | * TOTALS |
| | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | |
| 4600 UG/KG STOP | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | 6 |

| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|
| Lymph Node, Mandibular | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Lymph Node, Mesenteric | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49 |
| Spleen | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49 |
| Carcinoma, Metastatic, Uterus | | | | | | | | | | | | | | | | | | | | | | | | | | | 3 |
| Thymus | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |

INTEGUMENTARY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|
| Mammary Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Carcinoma | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 |
| Fibroadenoma | | | | | | X | | | | | | X | | | | | X | | X | | | | | | | | 12 |
| Fibroadenoma, Multiple | | | X | | | | | | | | | | | | | | | | | | | | | | | | 5 |
| Skin | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Fibroma | | | | | | | | | | | | | | | | | | | | | | | | X | | | 1 |

MUSCULOSKELETAL SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|
| Bone | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Skeletal Muscle | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 |

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 x .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

TDMS No. 20304 - 01
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/SD

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 TEF evaluation (PCB 118)
 CAS Number: 31508-00-6

Date Report Requested: 06/26/2008
 Time Report Requested: 12:05:16
 First Dose M/F: NA / 03/26/04
 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 |
| | 1 | 6 | 7 | 7 | 7 | 7 | 7 | 6 | 7 | 6 | 6 | 5 | 5 | 5 | 5 | 7 | 7 | 6 | 7 | 7 | 7 | 7 | 5 | 7 | 2 |
| | 6 | 4 | 3 | 3 | 3 | 3 | 1 | 8 | 3 | 7 | 9 | 7 | 8 | 4 | 6 | 3 | 3 | 1 | 3 | 3 | 3 | 3 | 6 | 3 | 0 |
| | 0 | 2 | 4 | 4 | 3 | 3 | 3 | 0 | 4 | 2 | 6 | 5 | 2 | 5 | 7 | 5 | 3 | 7 | 3 | 3 | 5 | 4 | 7 | 4 | 7 |

**SPRAGUE-DAWLEY RATS
 FEMALE**

4600 UG/KG STOP

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 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 |
| | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 |
| | 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**

| | | |
|--|---|----------|
| Carcinoma, Metastatic, Uterus | X | 1 |
| Granulosa Cell Tumor Malignant,
Metastatic, Ovary | | 1 |

NERVOUS SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------|
| Brain | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Carcinoma, Metastatic, Pituitary Gland | | | | | | | | | | | | | | | | | | | | | | | | | 1 |

RESPIRATORY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|--------------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------|
| Lung | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Carcinoma, Metastatic, Thyroid Gland | | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| Carcinoma, Metastatic, Uterus | | | | | | | | | | | | | | | | | | | | | | | | | 2 |
| Nose | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Trachea | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |

SPECIAL SENSES SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------|
| Eye | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Harderian Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 x .. Lesion present
 I .. Insufficient tissue
 M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

TDMS No. 20304 - 01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/SD

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
TEF evaluation (PCB 118)
CAS Number: 31508-00-6

Date Report Requested: 06/26/2008
Time Report Requested: 12:05:16
First Dose M/F: NA / 03/26/04
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 | 0 | 0 |
|-------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------------|---|
| | 1 | 6 | 7 | 7 | 7 | 7 | 7 | 6 | 7 | 6 | 6 | 5 | 5 | 5 | 5 | 7 | 7 | 6 | 7 | 7 | 7 | 7 | 5 | 7 | 2 | | | |
| | 6 | 4 | 3 | 3 | 3 | 3 | 1 | 8 | 3 | 7 | 9 | 7 | 8 | 4 | 6 | 3 | 3 | 1 | 3 | 3 | 3 | 3 | 6 | 3 | 0 | | | |
| | 0 | 2 | 4 | 4 | 3 | 3 | 3 | 0 | 4 | 2 | 6 | 5 | 2 | 5 | 7 | 5 | 3 | 7 | 3 | 3 | 5 | 4 | 7 | 4 | 7 | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| SPRAGUE-DAWLEY 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 | 0 | 0 | 0 |
| ANIMAL ID | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 |
| | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | | |
| 4600 UG/KG STOP | 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 SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------|
| Kidney | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49 |
| Carcinoma, Metastatic, Uterus | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| Granulosa Cell Tumor Malignant, Metastatic, Ovary | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| Renal Tubule, Carcinoma | | | | | | | X | | | | | | | | | | | | | | | | | | | | | | 1 |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Ureter | | + | | | | | + | | | | | | | | | | | | | | | | | | | | | | 2 |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Urinary Bladder | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49 |
| Carcinoma, Metastatic, Uterus | | X | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 |

SYSTEMIC LESIONS

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|----------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------|
| Multiple Organ | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
|----------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------|

*** END OF REPORT ***

* .. Total animals with tissue examined microscopically; Total animals with tumor
+ .. Tissue examined microscopically
x .. Lesion present
I .. Insufficient tissue
M .. Missing tissue
A .. Autolysis precludes evaluation
BLANK .. Not examined microscopically