

**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
<b>SPRAGUE-DAWLEY RATS</b>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>FEMALE</b>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>0 UG/KG</b>	0	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	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
<b>SPRAGUE-DAWLEY RATS FEMALE</b>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>0 UG/KG</b>	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																								
	01	07	06	07	06	06	05	07	07	06	07	03	06	07	06	02	06	05	07	07	05	07	07	04	
	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
<b>SPRAGUE-DAWLEY RATS FEMALE</b>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
<b>0 UG/KG</b>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	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																							
Heart	+ +																							
Lymphoma Malignant	X																							

**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																							
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	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

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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	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	1	1	1	1	1	1	1	2	2	2	3	3	3	3	3	4	4	4	4	4
0 UG/KG	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...)

Pars Distalis, Carcinoma

Thyroid Gland

C-cell, Adenoma

C-cell, Carcinoma

Follicular Cell, Adenoma

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

**GENERAL BODY SYSTEM**

NONE

**GENITAL SYSTEM**

Clitoral Gland

Lymphoma Malignant

Ovary

Histiocytic Sarcoma

Luteoma

Lymphoma Malignant

Uterus

Carcinoma

Polyp Stromal

+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
X																									
+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
										X															
																									X
X																									
+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
																							X		
												X													

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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
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
<b>SPRAGUE-DAWLEY RATS FEMALE</b>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
<b>0 UG/KG</b>	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...)**

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													
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Histiocytic Sarcoma											X													
Lymphoma Malignant	X																							
Spleen	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Lymphoma Malignant	X																							
Thymus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	

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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
	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 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
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	1	1	1	1	1	1	1	1	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 X X X X

Fibroadenoma, Multiple

X X X X X X X X

Histiocytic Sarcoma

X

Lymphoma Malignant

X

Skin

+ +

Fibroma

X

Hemangiosarcoma

Keratoacanthoma

Schwannoma Malignant

Subcutaneous Tissue, Schwannoma  
 Malignant, Metastatic, Uterus

X

**MUSCULOSKELETAL SYSTEM**

Bone

+ +

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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 |   |  |
| .....                      |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |
| <b>SPRAGUE-DAWLEY RATS</b> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  |
| <b>FEMALE</b>              | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  |
| <b>0 UG/KG</b>             | 0 | 0 | 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 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 4 | 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...)

**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 | 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 |   |
| <b>SPRAGUE-DAWLEY RATS FEMALE</b> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |   |
|                                   | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |   |
|                                   | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |   |
| <b>0 UG/KG</b>                    | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 4 | 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...)

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

**URINARY SYSTEM**

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

**SYSTEMIC LESIONS**

|                     |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|---------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Multiple Organ      | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Histiocytic Sarcoma |   |   |   |   |   |   |   |   |   |   | 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 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
|  | 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<br>FEMALE<br>0 UG/KG | 0 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|  | 4   | 4 | 4 | 4 | 4 | 4 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 7 | 7 |
| ANIMAL ID                                | 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...)

**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

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 | 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 |
| <b>SPRAGUE-DAWLEY RATS</b> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <b>FEMALE</b>              | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <b>0 UG/KG</b>             | 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 | 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 |

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  
 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 |   |   |
|             | 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 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 |
| 0 | 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 | 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

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

**ENDOCRINE SYSTEM**

|                                      |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|--------------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Adrenal Cortex                       | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Adenoma                              |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | X |   |   |   |   |   |   |
| Carcinoma                            |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Carcinoma, Metastatic, Thyroid Gland |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Lymphoma Malignant                   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |

|                         |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|-------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Adrenal Medulla         | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Pheochromocytoma Benign |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | X |

|                    |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|--------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Islets, Pancreatic | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
|--------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|

|                   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|-------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Parathyroid Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + |
|-------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|

|                                  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Pituitary Gland                  | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Lymphoma Malignant               |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Pars Distalis, Adenoma           |   | X |   |   |   |   | X | X |   |   |   | X | X |   |   |   | X |   |   |   | X |   |   |   |
| Pars Distalis, Adenoma, Multiple |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 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 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|-------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
|                               | 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<br>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 |   |   |
| 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 |   |   |
| 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...)

|                          |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|--------------------------|---|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| 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

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 |
| ANIMAL ID   | 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 |
| <b>SPRAGUE-DAWLEY RATS</b><br><b>FEMALE</b><br><b>0 UG/KG</b> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |   |
|   | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |   |
|   | 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 | 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...)

|                         |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|-------------------------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| 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  
 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 |
| <b>SPRAGUE-DAWLEY RATS</b> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <b>FEMALE</b>              | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <b>0 UG/KG</b>             | 0 | 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

**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

|             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 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 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 |
|           | 0 | 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 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 6 | 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...)**

**NERVOUS SYSTEM**

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

**RESPIRATORY SYSTEM**

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

**SPECIAL SENSES SYSTEM**

|                    |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|--------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Eye                | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| 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 |
|             | 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 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 |
|           | 0 | 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 | 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  
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TDMS No. 20304 - 01  
 Test Type: CHRONIC  
 Route: GAVAGE  
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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               |
|----------------------------|---|-----------------|
|                            | 5 | 7               |
|                            | 1 | 0               |
|                            | 2 | 1               |
| .....                      |   |                 |
| <b>SPRAGUE-DAWLEY RATS</b> | 0 | 0               |
| <b>FEMALE</b>              | 0 | 0               |
|                            | 0 | 0               |
| ANIMAL ID                  | 7 | 8               |
| <b>0 UG/KG</b>             | 9 | 0               |
|                            |   | <b>* TOTALS</b> |

**ALIMENTARY SYSTEM**

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

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

**CARDIOVASCULAR SYSTEM**

|              |   |   |           |
|--------------|---|---|-----------|
| Blood Vessel | + | + | <b>52</b> |
|--------------|---|---|-----------|

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

M .. Missing tissue  
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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

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 |                 |
|                            | 1 | 0 |                 |
|                            | 2 | 1 |                 |
| .....                      |   |   |                 |
| <b>SPRAGUE-DAWLEY RATS</b> | 0 | 0 |                 |
| <b>FEMALE</b>              | 0 | 0 |                 |
|                            | 0 | 0 |                 |
| ANIMAL ID                  | 7 | 8 |                 |
| <b>0 UG/KG</b>             | 9 | 0 |                 |
|                            |   |   | <b>* TOTALS</b> |
| Lymphoma Malignant         |   |   | <b>1</b>        |
| Heart                      | + | + | <b>52</b>       |
| Lymphoma Malignant         |   |   | <b>1</b>        |

**ENDOCRINE SYSTEM**

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

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

**GENERAL BODY SYSTEM**  
 NONE

**GENITAL SYSTEM**

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

\* .. 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

TDMS No. 20304 - 01  
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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               |
|                            | 1 | 0               |
|                            | 2 | 1               |
| <hr/>                      |   |                 |
| <b>SPRAGUE-DAWLEY RATS</b> | 0 | 0               |
| <b>FEMALE</b>              | 0 | 0               |
|                            | 0 | 0               |
| ANIMAL ID                  | 7 | 8               |
| <b>0 UG/KG</b>             | 9 | 0               |
|                            |   | <b>* TOTALS</b> |

|                         |  |          |
|-------------------------|--|----------|
| Schwannoma Malignant    |  | <b>1</b> |
| <hr/>                   |  |          |
| Vagina                  |  | <b>7</b> |
| Polyp, Multiple         |  | <b>1</b> |
| Squamous Cell Carcinoma |  | <b>1</b> |

**HEMATOPOIETIC SYSTEM**

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

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

M .. Missing tissue  
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 BLANK .. Not examined microscopically

TDMS No. 20304 - 01  
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 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 |                 |
|                     | 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 |                 |
|                     |   |   | <b>* TOTALS</b> |

|                    |          |
|--------------------|----------|
| Lymphoma Malignant | <b>1</b> |
|--------------------|----------|

**INTEGUMENTARY SYSTEM**

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

**MUSCULOSKELETAL SYSTEM**

|      |   |   |           |
|------|---|---|-----------|
| Bone | + | + | <b>52</b> |
|------|---|---|-----------|

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 + .. 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               |
|                            | 1 | 0               |
|                            | 2 | 1               |
| .....                      |   |                 |
| <b>SPRAGUE-DAWLEY RATS</b> | 0 | 0               |
| <b>FEMALE</b>              | 0 | 0               |
|                            | 0 | 0               |
| ANIMAL ID                  | 7 | 8               |
| <b>0 UG/KG</b>             | 9 | 0               |
|                            |   | <b>* TOTALS</b> |

**NERVOUS SYSTEM**

|  |   |   |           |
|--|---|---|-----------|
| Brain                                  | + | + | <b>52</b> |
| Carcinoma, Metastatic, Pituitary Gland | X |   | <b>2</b>  |
| Lymphoma Malignant                     |   |   | <b>1</b>  |

**RESPIRATORY SYSTEM**

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

**SPECIAL SENSES SYSTEM**

|                    |   |   |           |
|--------------------|---|---|-----------|
| Eye                | + | + | <b>52</b> |
| Lymphoma Malignant |   |   | <b>1</b>  |

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

M .. Missing tissue  
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 BLANK .. Not examined microscopically



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 Lab: BAT

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

|                    |   |   |           |
|--------------------|---|---|-----------|
| Harderian Gland    | + | + | <b>52</b> |
| Lymphoma Malignant |   |   | <b>1</b>  |

**URINARY SYSTEM**

|                     |   |   |           |
|---------------------|---|---|-----------|
| Kidney              | + | + | <b>52</b> |
| Histiocytic Sarcoma |   |   | <b>1</b>  |
| Lymphoma Malignant  |   |   | <b>1</b>  |
| Urinary Bladder     | + | + | <b>52</b> |

**SYSTEMIC LESIONS**

|                     |   |   |           |
|---------------------|---|---|-----------|
| Multiple Organ      | + | + | <b>52</b> |
| Histiocytic Sarcoma |   |   | <b>1</b>  |
| Lymphoma Malignant  |   |   | <b>2</b>  |

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TDMS No. 20304 - 01  
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**P04: NEOPLASMS BY INDIVIDUAL ANIMAL**  
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Date Report Requested: 06/26/2008  
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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 | 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 |
| <b>SPRAGUE-DAWLEY RATS</b> |  | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <b>FEMALE</b>              |  | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <b>100 UG/KG</b>           |  | 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...)**

**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 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |

\* .. 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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 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<br>FEMALE<br>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 |   |
|  |           | 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 | 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 |
| <b>SPRAGUE-DAWLEY RATS<br/>FEMALE<br/>100 UG/KG</b> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|   | 0 | 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 | 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 |

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  
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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 |
|-----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
|                                   | 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 |
| <b>SPRAGUE-DAWLEY RATS FEMALE</b> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|                                   | 0 | 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 |
| <b>100 UG/KG</b>                  | 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 7 6 3 6 2 6 7 7 6 3 6 7 3 5 7 7 7 4 4 7 7 6 7 6 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ANIMAL ID                  | 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 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| <b>SPRAGUE-DAWLEY RATS</b> | 0   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| <b>FEMALE</b>              | 0   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| <b>100 UG/KG</b>           | 3   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                            | 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...)

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

**INTEGUMENTARY SYSTEM**

|                        |   |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|------------------------|---|---|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| Mammary Gland          | M   | + |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Carcinoma              | X   |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Fibroadenoma           | X |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Fibroadenoma, Multiple | 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  
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M .. Missing tissue  
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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 | 0 |   |
| DAY ON TEST         | 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 | 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 |
| 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 | 3 |
| 100 UG/KG           | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 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 | 9 |

females  
(cont...)

MUSCULOSKELETAL SYSTEM

Bone +

Skeletal Muscle  
Schwannoma Malignant

NERVOUS SYSTEM

Brain +

Lymphoma Malignant X  
Oligodendroglioma Malignant

RESPIRATORY SYSTEM

Lung +

Lymphoma Malignant X

Nose +

Trachea +

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  
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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 |
|----------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
|                            | 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 |
| <b>SPRAGUE-DAWLEY RATS</b> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <b>FEMALE</b>              | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <b>100 UG/KG</b>           | 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 |
| <b>ANIMAL ID</b>           | 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

|                                       | 0 | 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                           | 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 |
| <b>SPRAGUE-DAWLEY RATS<br/>FEMALE</b> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <b>100 UG/KG</b>                      | 0 | 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 |
|                                       | 3 | 3 | 3 | 3 | 3 | 4 | 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                                | Animals |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |                      |
|--|---------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|----------------------|
|  | 0728    | 0725 | 0727 | 0726 | 0724 | 0723 | 0721 | 0720 | 0718 | 0717 | 0715 | 0714 | 0713 | 0712 | 0711 | 0710 | 0709 | 0708 | 0707 | 0706 | 0705 | 0704 | 0703 | 0702 | 0701 | 0700 |                      |
| SPRAGUE-DAWLEY RATS<br>FEMALE<br>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    | females<br>(cont...) |
| ANIMAL ID                                  | 0033    | 0034 | 0035 | 0036 | 0037 | 0038 | 0039 | 0040 | 0041 | 0042 | 0043 | 0044 | 0045 | 0046 | 0047 | 0048 | 0049 | 0050 | 0051 | 0052 | 0053 | 0054 | 0055 | 0056 | 0057 | 0058 |                      |
|  | 0       | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    |                      |
|  | 0       | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    |                      |

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

**CARDIOVASCULAR SYSTEM**

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

**ENDOCRINE SYSTEM**

|                           |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|---------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Adrenal Cortex<br>Adenoma | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| 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 | 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 |   |
| <b>SPRAGUE-DAWLEY RATS<br/>FEMALE</b> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |   |
|                                       | 0 | 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 |   |
| <b>100 UG/KG</b>                      | 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 |   |
| <b>ANIMAL ID</b>                      | 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 | 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 |
| <b>SPRAGUE-DAWLEY RATS<br/>FEMALE</b> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <b>100 UG/KG</b>                      | 0 | 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 |
|                                       | 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...)

**GENITAL SYSTEM**

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

**HEMATOPOIETIC SYSTEM**

|   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--|
| Bone Marrow<br>Lymphoma Malignant             | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |  |
| Lymph Node<br>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         |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|--|-----------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
|  | 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<br>FEMALE<br>100 UG/KG | 0         |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|  | 0         |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|  | 3         |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|  | 3         |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|  | 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 |

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 | X |  |
| Fibroadenoma, Multiple |   |   |   |   |   |   |   |   |   |   | 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 |
| <b>SPRAGUE-DAWLEY RATS<br/>FEMALE</b> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|                                       | 0 | 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 |
| <b>100 UG/KG</b>                      | 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 |
| 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...)

**MUSCULOSKELETAL SYSTEM**

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

**NERVOUS SYSTEM**

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

**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

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 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

|                               |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |
|-------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--|
|                               | 0 | 0 | 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                   | 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<br>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 |  |
| 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 |  |
| 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 | 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 | 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 | 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  
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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/>                      |   |                 |
| <b>SPRAGUE-DAWLEY RATS</b> | 0 | 0               |
| <b>FEMALE</b>              | 0 | 0               |
|                            | 3 | 3               |
| ANIMAL ID                  | 7 | 7               |
| <b>100 UG/KG</b>           | 4 | 5               |
|                            |   | <b>* TOTALS</b> |

**ALIMENTARY SYSTEM**

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

\* .. Total animals with tissue examined microscopically; Total animals with tumor  
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 Lab: BAT

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

|                      |   |   |    |
|----------------------|---|---|----|
| 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  
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 Lab: BAT

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

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

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

**GENITAL SYSTEM**

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

**HEMATOPOIETIC SYSTEM**

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

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

\* .. 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

TDMS No. 20304 - 01  
 Test Type: CHRONIC  
 Route: GAVAGE  
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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 |                 |
|                     | 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 |                 |
|                     |   |   | <b>* TOTALS</b> |

**MUSCULOSKELETAL SYSTEM**

|                      |   |   |           |
|----------------------|---|---|-----------|
| Bone                 | + | + | <b>52</b> |
| Skeletal Muscle      |   |   | <b>1</b>  |
| Schwannoma Malignant |   |   | <b>1</b>  |

**NERVOUS SYSTEM**

|                             |   |   |           |
|-----------------------------|---|---|-----------|
| Brain                       | + | + | <b>52</b> |
| Lymphoma Malignant          |   |   | <b>1</b>  |
| Oligodendroglioma Malignant |   |   | <b>1</b>  |

**RESPIRATORY SYSTEM**

|                    |   |   |           |
|--------------------|---|---|-----------|
| Lung               | + | + | <b>52</b> |
| Lymphoma Malignant |   |   | <b>1</b>  |
| Nose               | + | + | <b>52</b> |
| Trachea            | + | + | <b>52</b> |
| Lymphoma Malignant |   |   | <b>1</b>  |

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 + .. Tissue examined microscopically  
 x .. Lesion present  
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M .. Missing tissue  
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TDMS No. 20304 - 01  
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Date Report Requested: 06/26/2008  
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 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 |                 |
|                     |   |   | <b>* TOTALS</b> |

**SPECIAL SENSES SYSTEM**

|                    |   |   |           |
|--------------------|---|---|-----------|
| Eye                | + | + | <b>52</b> |
| Harderian Gland    | + | + | <b>52</b> |
| Lymphoma Malignant |   |   | <b>1</b>  |

**URINARY SYSTEM**

|                             |   |   |           |
|-----------------------------|---|---|-----------|
| Kidney                      | + | + | <b>52</b> |
| Lymphoma Malignant          |   |   | <b>1</b>  |
| Mesenchymal Tumor Malignant |   |   | <b>1</b>  |
| Urinary Bladder             | + | + | <b>52</b> |

**SYSTEMIC LESIONS**

|                    |   |   |           |
|--------------------|---|---|-----------|
| Multiple Organ     | + | + | <b>52</b> |
| Lymphoma Malignant |   |   | <b>1</b>  |

\* .. Total animals with tissue examined microscopically; Total animals with tumor  
 + .. Tissue 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 |
| <b>SPRAGUE-DAWLEY RATS FEMALE</b> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <b>220 UG/KG</b>                  | 0 | 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 | 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  
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 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 |
|----------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
|                            | 0 | 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                  | 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 |
| 220 UG/KG                  | 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



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 TEF evaluation (PCB 118)  
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Date Report Requested: 06/26/2008  
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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                            |
|---------------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|------------------------------|
|                                       | 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                            |
| <b>SPRAGUE-DAWLEY RATS<br/>FEMALE</b> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0                            |
|                                       | 0 | 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                            |
| <b>220 UG/KG</b>                      | 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                            |
|                                       |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | <b>females<br/>(cont...)</b> |

|                    |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|--------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 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  
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 I .. Insufficient tissue

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TDMS No. 20304 - 01  
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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 |   |
|---------------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
|                                       | 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 |
| <b>SPRAGUE-DAWLEY RATS<br/>FEMALE</b> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|                                       | 0 | 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 |
| <b>220 UG/KG</b>                      | 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 |
| ANIMAL ID                             | 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 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|-----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
|                                   | 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 |   |
| <b>SPRAGUE-DAWLEY RATS FEMALE</b> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |   |
| <b>220 UG/KG</b>                  | 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 |   |
|                                   | 0 | 0 | 0 | 0 | 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   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Lymph Node, Mesenteric         | + |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Lymphoma Malignant             | X   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Spleen                         | + |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Carcinoma, Metastatic, Uterus  | X   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Lymphoma Malignant             | X   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Thymus                         | + M + + |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Lymphoma Malignant             | 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  
 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 |
| <b>SPRAGUE-DAWLEY RATS<br/>FEMALE</b> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|                                       | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <b>220 UG/KG</b>                      | 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...)

|                           |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|---------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Mammary Gland             | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Adenoma                   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 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        |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Pinna, Neural Crest Tumor |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | X |

**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  
 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 |
| <b>SPRAGUE-DAWLEY RATS</b> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <b>FEMALE</b>              | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <b>220 UG/KG</b>           | 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 |
| <b>ANIMAL ID</b>           | 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 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Carcinoma, Metastatic, Uterus        |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Lymphoma Malignant                   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Nose                                 | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Trachea                              | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |

**SPECIAL SENSES SYSTEM**

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

**URINARY SYSTEM**

|                               |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|-------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Kidney                        | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| 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  
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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 |
| <b>SPRAGUE-DAWLEY RATS FEMALE</b> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|                                   | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <b>220 UG/KG</b>                  | 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...)**

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

**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

|                                   | 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                       | 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 |
|                                   | 4 | 9 | 4 | 6 | 5 | 4 | 7 | 3 | 3 | 3 | 5 | 3 | 5 | 4 | 5 | 5 | 1 | 4 | 3 | 5 | 2 | 7 | 4 |   |
| <b>SPRAGUE-DAWLEY RATS FEMALE</b> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 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 |   |
| <b>220 UG/KG</b>                  | 4 | 4 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 6 | 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 |   |

females (cont...)

ALIMENTARY SYSTEM

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

\* .. 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 |                              |
| <b>SPRAGUE-DAWLEY RATS</b> | 0           | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |                              |
| <b>FEMALE</b>              | 0           | 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 |                              |
| <b>220 UG/KG</b>           | 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 |                              |
|                            | 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 | <b>females<br/>(cont...)</b> |

Lymphoma Malignant

Mesentery

Carcinoma, Metastatic, Uterus

Schwannoma Malignant

+ +  
X

Oral Mucosa

Squamous Cell Carcinoma

+  
X

Pancreas

Carcinoma, Metastatic, Uterus

Lymphoma Malignant

+  
X

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 |
| <b>SPRAGUE-DAWLEY RATS</b> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <b>FEMALE</b>              | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <b>220 UG/KG</b>           | 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 |
| <b>ANIMAL ID</b>           | 4 | 4 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 6 | 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...)

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

**GENERAL BODY SYSTEM**  
 NONE

**GENITAL SYSTEM**

|                                 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|---------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Clitoral Gland                  | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Ovary                           | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Carcinoma, Metastatic, Uterus   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Granulosa-Theca Tumor Malignant |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Lymphoma Malignant              |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Uterus                          | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Carcinoma                       |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Lymphoma Malignant              |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Polyp Stromal                   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Squamous Cell Carcinoma         |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 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  
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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                           | Animals |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | females<br>(cont...) |  |
|---------------------------------------|---------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----------------------|--|
|                                       | 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 |                      |  |
| <b>SPRAGUE-DAWLEY RATS<br/>FEMALE</b> | 0       | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |                      |  |
| <b>220 UG/KG</b>                      | 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       | 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                    |  |

**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  
 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 | 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 |  |

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|                            |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |                          |
|----------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--------------------------|
| <b>SPRAGUE-DAWLEY RATS</b> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |                          |
| <b>FEMALE</b>              | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |                          |
| <b>220 UG/KG</b>           | 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 |                          |
| <b>ANIMAL ID</b>           | 4 | 4 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | <b>females (cont...)</b> |
|                            | 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 |                          |

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|                        |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 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     |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |

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|                           |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|---------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 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 | 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 |
| <b>SPRAGUE-DAWLEY RATS</b> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <b>FEMALE</b>              | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <b>220 UG/KG</b>           | 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 | 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...)

Schwannoma Malignant

**RESPIRATORY SYSTEM**

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

**SPECIAL SENSES SYSTEM**

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

**URINARY SYSTEM**

|                               |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|-------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Kidney                        | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| 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 |   |   |
|  | 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<br>FEMALE<br>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 |   |
|  | 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 | 6 | 6 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |   |
| ANIMAL ID                                  | 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 |                 |
|                     |   |   | <b>* TOTALS</b> |

**ALIMENTARY SYSTEM**

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

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

**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               |
|----------------------------|---|---|---|---|---|---|---|-----------------|
| <b>SPRAGUE-DAWLEY RATS</b> |   |   |   |   |   |   |   |                 |
| <b>FEMALE</b>              |   |   |   |   |   |   |   |                 |
| <b>220 UG/KG</b>           |   |   |   |   |   |   |   |                 |
| ANIMAL ID                  | 0 | 0 | 0 | 0 | 4 | 4 | 7 | 8               |
|                            | 9 | 0 |   |   |   |   |   |                 |
|                            |   |   |   |   |   |   |   | <b>* TOTALS</b> |

|                    |   |   |  |  |  |  |  |  |           |
|--------------------|---|---|--|--|--|--|--|--|-----------|
| Blood Vessel       | + | + |  |  |  |  |  |  | <b>52</b> |
| Heart              | + | + |  |  |  |  |  |  | <b>52</b> |
| Lymphoma Malignant |   |   |  |  |  |  |  |  | <b>1</b>  |

## ENDOCRINE SYSTEM

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

\* .. 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 |                 |
| .....                      |   |   |                 |
| <b>SPRAGUE-DAWLEY RATS</b> | 0 | 0 |                 |
| <b>FEMALE</b>              | 0 | 0 |                 |
|                            | 4 | 4 |                 |
| ANIMAL ID                  | 7 | 8 |                 |
| <b>220 UG/KG</b>           | 9 | 0 |                 |
|                            |   |   | <b>* TOTALS</b> |

|                    |   |   |           |
|--------------------|---|---|-----------|
| Thyroid Gland      | + | + | <b>51</b> |
| Bilateral, Adenoma |   |   | <b>1</b>  |
| C-cell, Adenoma    |   |   | <b>5</b>  |

**GENERAL BODY SYSTEM**

NONE

**GENITAL SYSTEM**

|                                 |   |   |           |
|---------------------------------|---|---|-----------|
| Clitoral Gland                  | + | + | <b>51</b> |
| Ovary                           | + | + | <b>52</b> |
| Carcinoma, Metastatic, Uterus   |   |   | <b>1</b>  |
| Granulosa-Theca Tumor Malignant | X |   | <b>2</b>  |
| Lymphoma Malignant              |   |   | <b>1</b>  |
| Uterus                          | + | + | <b>52</b> |
| Carcinoma                       |   |   | <b>1</b>  |
| Lymphoma Malignant              |   |   | <b>1</b>  |
| Polyp Stromal                   |   |   | <b>5</b>  |
| Squamous Cell Carcinoma         |   |   | <b>3</b>  |
| Bilateral, Polyp Stromal        |   |   | <b>1</b>  |

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

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 A .. Autolysis precludes evaluation  
 BLANK .. Not examined microscopically

TDMS No. 20304 - 01  
 Test Type: CHRONIC  
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P04: NEOPLASMS BY INDIVIDUAL ANIMAL  
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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 |                 |
|                     |   |   | <b>* TOTALS</b> |

**HEMATOPOIETIC SYSTEM**

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

**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  
 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               |
|----------------------------|---|---|---|---|---|---|---|-----------------|
| <b>SPRAGUE-DAWLEY RATS</b> |   |   |   |   |   |   |   |                 |
| <b>FEMALE</b>              |   |   |   |   |   |   |   |                 |
| <b>220 UG/KG</b>           |   |   |   |   |   |   |   |                 |
| ANIMAL ID                  | 0 | 0 | 0 | 0 | 4 | 4 | 7 | 8               |
|                            | 9 | 0 |   |   |   |   |   |                 |
|                            |   |   |   |   |   |   |   | <b>* TOTALS</b> |

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

## MUSCULOSKELETAL SYSTEM

|      |   |   |  |  |  |  |  |  |           |
|------|---|---|--|--|--|--|--|--|-----------|
| Bone | + | + |  |  |  |  |  |  | <b>52</b> |
|------|---|---|--|--|--|--|--|--|-----------|

## NERVOUS SYSTEM

|                      |   |   |  |  |  |  |  |  |           |
|----------------------|---|---|--|--|--|--|--|--|-----------|
| Brain                | + | + |  |  |  |  |  |  | <b>52</b> |
| Ependymoma Malignant |   |   |  |  |  |  |  |  | <b>1</b>  |
| Spinal Cord          |   |   |  |  |  |  |  |  | <b>1</b>  |

\* .. 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 |                 |
| .....                      |   |   |                 |
| <b>SPRAGUE-DAWLEY RATS</b> | 0 | 0 |                 |
| <b>FEMALE</b>              | 0 | 0 |                 |
|                            | 4 | 4 |                 |
| ANIMAL ID                  | 7 | 8 |                 |
| <b>220 UG/KG</b>           | 9 | 0 |                 |
|                            |   |   | <b>* TOTALS</b> |

Schwannoma Malignant 1

**RESPIRATORY SYSTEM**

|                                      |   |   |           |
|--------------------------------------|---|---|-----------|
| Lung                                 | + | + | <b>52</b> |
| Carcinoma, Metastatic, Mammary Gland |   |   | <b>1</b>  |
| Carcinoma, Metastatic, Uterus        |   |   | <b>1</b>  |
| Lymphoma Malignant                   |   |   | <b>2</b>  |
| .....                                |   |   |           |
| Nose                                 | + | + | <b>52</b> |
| .....                                |   |   |           |
| Trachea                              | + | + | <b>52</b> |

**SPECIAL SENSES SYSTEM**

|                 |   |   |           |
|-----------------|---|---|-----------|
| Eye             | + | + | <b>52</b> |
| .....           |   |   |           |
| Harderian Gland | + | + | <b>52</b> |

**URINARY SYSTEM**

|                               |   |   |           |
|-------------------------------|---|---|-----------|
| Kidney                        | + | + | <b>52</b> |
| Carcinoma, Metastatic, Uterus |   |   | <b>1</b>  |

\* .. 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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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<br>FEMALE |  | 0 | 0               |
|                               |  | 0 | 0               |
|                               |  | 4 | 4               |
| ANIMAL ID                     |  | 7 | 8               |
| 220 UG/KG                     |  | 9 | 0               |
|                               |  |   | <b>* TOTALS</b> |

|                               |   |   |  |           |
|-------------------------------|---|---|--|-----------|
| Lymphoma Malignant            |   |   |  | <b>1</b>  |
| Nephroblastoma                |   |   |  | <b>1</b>  |
| .....                         |   |   |  |           |
| Urinary Bladder               | + | + |  | <b>52</b> |
| Carcinoma, Metastatic, Uterus |   |   |  | <b>1</b>  |

**SYSTEMIC LESIONS**

|                    |   |   |  |           |
|--------------------|---|---|--|-----------|
| .....              |   |   |  |           |
| Multiple Organ     | + | + |  | <b>52</b> |
| Lymphoma Malignant |   |   |  | <b>2</b>  |

\* .. 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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 Test Type: CHRONIC  
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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 | 4 | 7 | 4 | 7 | 2 | 5 | 7 | 7 | 5 | 7 | 7 | 6 | 7 | 7 |   |
|                            | 2 | 3 | 5 | 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 |
| <b>SPRAGUE-DAWLEY RATS</b> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |   |
| <b>FEMALE</b>              | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |   |
| <b>460 UG/KG</b>           | 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 | 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...)

**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  
 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 |   |   |
|----------------------------|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ANIMAL ID                  |  | 7 | 7 | 6 | 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 | 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 |
| <b>SPRAGUE-DAWLEY RATS</b> |  | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |   |
| <b>FEMALE</b>              |  | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |   |
| <b>460 UG/KG</b>           |  | 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 | 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...)

|                      |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|----------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 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 | 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 |
| <b>SPRAGUE-DAWLEY RATS FEMALE</b> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <b>460 UG/KG</b>                  | 0 | 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                         | 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 |
| 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                 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |

females (cont...)

**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  
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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 | 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<br>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                     | 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 | 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...)

Adenoma

Ovary

Uterus

Carcinoma

Polyp Stromal

Sarcoma

Schwannoma Malignant

Squamous Cell Carcinoma

Vagina

Polyp

HEMATOPOIETIC SYSTEM

Bone Marrow

Lymph Node

Mediastinal, Lymphoma Malignant

Pancreatic, Lymphoma Malignant

Lymph Node, Mandibular

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  
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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 |
|---------------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
|                                       | 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 |
| <b>SPRAGUE-DAWLEY RATS<br/>FEMALE</b> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|                                       | 0 | 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 |
| <b>460 UG/KG</b>                      | 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 |
| ANIMAL ID                             | 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<br>Lymphoma Malignant | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Spleen<br>Lymphoma Malignant                 | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Thymus<br>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  
 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 | 4 | 7 | 4 | 7 | 2 | 5 | 7 | 7 | 5 | 7 | 7 | 6 | 7 | 7 |
|                            |           | 2 | 3 | 5 | 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 |
| <b>SPRAGUE-DAWLEY RATS</b> |           | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <b>FEMALE</b>              |           | 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 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| <b>460 UG/KG</b>           |           | 0 | 0 | 0 | 0 | 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 |

females  
(cont...)

**MUSCULOSKELETAL SYSTEM**

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

**NERVOUS SYSTEM**

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

**RESPIRATORY SYSTEM**

|   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Lung  | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Alveolar/Bronchiolar Carcinoma, Multiple      |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Carcinoma, Metastatic, Uncertain Primary Site |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 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

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 | 4 | 7 | 4 | 7 | 2 | 5 | 7 | 7 | 5 | 7 | 7 | 6 | 7 | 7 |   |
|                                   | 2 | 3 | 5 | 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 |
| <b>SPRAGUE-DAWLEY RATS FEMALE</b> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |   |
| <b>460 UG/KG</b>                  | 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                         | 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 | 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...)

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  
 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 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|----------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
|                            | 5 4 7 6 5 6 5 6 7 5 7 7 7 7 7 3 7 7 7 7 7 7 6 7 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| ANIMAL ID                  | 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 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| <b>SPRAGUE-DAWLEY RATS</b> | 0   | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <b>FEMALE</b>              | 0   | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <b>460 UG/KG</b>           | 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 | 4 | 4 | 4 | 5 | 5 | 6 | 6 | 6 | 6 | 6 | 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 |
|                            |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |

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

| 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 |   |   |  |
|----------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--|
| 5                          | 4 | 7 | 6 | 5 | 6 | 5 | 6 | 7 | 5 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 3 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |   |  |
| 7                          | 1 | 3 | 7 | 9 | 5 | 8 | 4 | 3 | 8 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 0 | 3 | 3 | 3 | 3 | 3 | 3 | 0 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 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 |   |   |   |   |   |   |   |   |   |   |   |   |   |  |
| <b>SPRAGUE-DAWLEY RATS</b> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |   |  |
| <b>FEMALE</b>              | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  |
| <b>460 UG/KG</b>           | 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 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |  |
| <b>ANIMAL ID</b>           | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |  |
|                            | 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...)

|                      |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|----------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Pancreas             | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |   |
| Acinus, Adenoma      |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Salivary Glands      | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |   |
| Stomach, Forestomach | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Stomach, Glandular   | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Tooth                |   |   |   |   |   |   |   | + |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |

**CARDIOVASCULAR SYSTEM**

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

**ENDOCRINE SYSTEM**

|                    |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |
|--------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--|
| Adrenal Cortex     | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |  |
| Adenoma            |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |
| 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 |
|             | 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  
 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 | 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 |
|           | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 6 | 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...)**

|                            |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|----------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 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 | 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 | 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 |   |
| <b>SPRAGUE-DAWLEY RATS FEMALE</b> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |   |
|                                   | 0 | 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 |   |
| <b>460 UG/KG</b>                  | 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 |   |
| <b>ANIMAL ID</b>                  | 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...)

|                         |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|-------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 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 |
|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
|             | 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<br>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 |
| ANIMAL ID                     | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 6 | 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<br>Lymphoma Malignant | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Spleen<br>Lymphoma Malignant                 | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Thymus<br>Lymphoma Malignant                 | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + |

**INTEGUMENTARY SYSTEM**

|                              |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Mammary Gland<br>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<br>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 | 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 | 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 |   |   |                          |
| <b>SPRAGUE-DAWLEY RATS FEMALE</b> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0                        |
| <b>460 UG/KG</b>                  | 0 | 0 | 0 | 0 | 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                         | 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                        |
|                                   | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 6 | 7 | 7 | 7 | 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 |   |   | <b>females (cont...)</b> |

**MUSCULOSKELETAL SYSTEM**

Bone +

**NERVOUS SYSTEM**

Brain +  
 Lymphoma Malignant X

**RESPIRATORY SYSTEM**

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

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 |   |
| <b>SPRAGUE-DAWLEY RATS FEMALE</b> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |   |
|                                   | 0 | 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 |   |
| <b>460 UG/KG</b>                  | 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 |   |
| <b>ANIMAL ID</b>                  | 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

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 | 6 |                 |
|                     | 3 | 2 |                 |
|                     | 4 | 7 |                 |
| .....               |   |   |                 |
| SPRAGUE-DAWLEY RATS | 0 | 0 |                 |
| FEMALE              | 0 | 0 |                 |
|                     | 5 | 5 |                 |
| ANIMAL ID           | 7 | 8 |                 |
| 460 UG/KG           | 9 | 0 |                 |
|                     |   |   | <b>* TOTALS</b> |

**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

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 | 6 | 3 | 2 | 4 | 7               |
|----------------------------|---|---|---|---|---|---|---|-----------------|
| <b>SPRAGUE-DAWLEY RATS</b> |   |   |   |   |   |   |   |                 |
| <b>FEMALE</b>              |   |   |   |   |   |   |   |                 |
| <b>460 UG/KG</b>           |   |   |   |   |   |   |   |                 |
| ANIMAL ID                  | 0 | 0 | 0 | 0 | 5 | 5 | 7 | 8               |
|                            | 9 | 0 |   |   |   |   |   |                 |
|                            |   |   |   |   |   |   |   | <b>* TOTALS</b> |

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

**CARDIOVASCULAR SYSTEM**

|                    |   |   |  |  |  |  |  |  |           |
|--------------------|---|---|--|--|--|--|--|--|-----------|
| Blood Vessel       | + | + |  |  |  |  |  |  | <b>52</b> |
| Heart              | + | + |  |  |  |  |  |  | <b>52</b> |
| Lymphoma Malignant |   |   |  |  |  |  |  |  | <b>1</b>  |

**ENDOCRINE SYSTEM**

|                    |   |   |  |  |  |  |  |  |           |
|--------------------|---|---|--|--|--|--|--|--|-----------|
| Adrenal Cortex     | + | + |  |  |  |  |  |  | <b>51</b> |
| Adenoma            |   |   |  |  |  |  |  |  | <b>2</b>  |
| Lymphoma Malignant |   |   |  |  |  |  |  |  | <b>2</b>  |

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

**GENERAL BODY SYSTEM**

NONE

**GENITAL SYSTEM**

|                |  |   |   |           |
|----------------|--|---|---|-----------|
| Clitoral Gland |  | + | + | <b>52</b> |
|----------------|--|---|---|-----------|

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

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

**HEMATOPOIETIC SYSTEM**

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

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 I .. Insufficient tissue

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 BLANK .. Not examined microscopically



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 | 7 | 6 | 3 | 2 | 4 | 7 |                 |
|----------------------------|---|---|---|---|---|---|---|---|-----------------|
| <b>SPRAGUE-DAWLEY RATS</b> | 0 | 0 | 0 | 0 | 5 | 5 | 7 | 8 |                 |
| <b>FEMALE</b>              | 0 | 0 | 5 | 5 | 7 | 8 | 9 | 0 |                 |
| <b>460 UG/KG</b>           |   |   |   |   |   |   |   |   | <b>* TOTALS</b> |

|                        |   |   |  |  |  |  |  |  |           |
|------------------------|---|---|--|--|--|--|--|--|-----------|
| Lymph Node, Mesenteric | + | + |  |  |  |  |  |  | <b>52</b> |
| Lymphoma Malignant     |   |   |  |  |  |  |  |  | <b>1</b>  |
| Spleen                 | + | + |  |  |  |  |  |  | <b>52</b> |
| Lymphoma Malignant     |   |   |  |  |  |  |  |  | <b>2</b>  |
| Thymus                 | + | + |  |  |  |  |  |  | <b>50</b> |
| Lymphoma Malignant     |   |   |  |  |  |  |  |  | <b>1</b>  |

**INTEGUMENTARY SYSTEM**

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

\* .. 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 |                 |
|                     | 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 |                 |
|                     |   |   | <b>* TOTALS</b> |

**MUSCULOSKELETAL SYSTEM**

|      |   |   |           |
|------|---|---|-----------|
| Bone | + | + | <b>52</b> |
|------|---|---|-----------|

**NERVOUS SYSTEM**

|                    |   |   |           |
|--------------------|---|---|-----------|
| Brain              | + | + | <b>52</b> |
| Lymphoma Malignant |   |   | <b>1</b>  |

**RESPIRATORY SYSTEM**

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

**SPECIAL SENSES SYSTEM**

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TDMS No. 20304 - 01  
 Test Type: CHRONIC  
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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 | 6 |                 |
|                                       |                  | 3 | 2 |                 |
|                                       |                  | 4 | 7 |                 |
| <hr/>                                 |                  |   |   |                 |
| <b>SPRAGUE-DAWLEY RATS<br/>FEMALE</b> |                  | 0 | 0 |                 |
|                                       |                  | 0 | 0 |                 |
|                                       |                  | 5 | 5 |                 |
|                                       |                  | 7 | 8 |                 |
|                                       | <b>460 UG/KG</b> | 9 | 0 |                 |
|                                       |                  |   |   | <b>* TOTALS</b> |
| Eye                                   |                  | + | + | <b>52</b>       |
| Harderian Gland                       |                  | + | + | <b>52</b>       |
| <hr/>                                 |                  |   |   |                 |
| <b>URINARY SYSTEM</b>                 |                  |   |   |                 |
| Kidney                                |                  | + | + | <b>52</b>       |
| Lymphoma Malignant                    |                  |   |   | <b>1</b>        |
| Urinary Bladder                       |                  | + | + | <b>52</b>       |
| Sarcoma, Metastatic, Uterus           |                  |   | X | <b>1</b>        |
| <hr/>                                 |                  |   |   |                 |
| <b>SYSTEMIC LESIONS</b>               |                  |   |   |                 |
| Multiple Organ                        |                  | + | + | <b>52</b>       |
| Adenolipoma                           |                  |   |   | <b>1</b>        |
| Lymphoma Malignant                    |                  |   |   | <b>2</b>        |

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 + .. Tissue examined microscopically  
 x .. Lesion present  
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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 |   |
|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
|             | 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<br>FEMALE<br>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 |
|---|-----------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
|   |           | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
|   |           | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 0 | 1 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 4 |

**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  
 x .. Lesion present  
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TDMS No. 20304 - 01  
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 Route: GAVAGE  
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P04: NEOPLASMS BY INDIVIDUAL ANIMAL  
 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 |   |
|                            | 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 |
| <b>SPRAGUE-DAWLEY RATS</b> | 0           | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <b>FEMALE</b>              | 0           | 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 |
| <b>1000 UG/KG</b>          | 0           | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 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...)

|                              |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 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 | 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 |                          |   |  |
| <b>SPRAGUE-DAWLEY RATS FEMALE</b> | 0           | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |                          |   |  |
|                                   | 0           | 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 |                          |   |  |
| <b>1000 UG/KG</b>                 | 0           | 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 | <b>females (cont...)</b> |   |  |

Bilateral, C-cell, Adenoma

C-cell, Adenoma

Follicular Cell, Adenoma

X

X

GENERAL BODY SYSTEM

NONE

GENITAL SYSTEM

Clitoral Gland

Carcinoma

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

Ovary

Carcinoma, Metastatic, Uterus

Thecoma Benign

Bilateral, Adamantinoma Malignant,  
Metastatic, Ovary

Bilateral, Carcinoma, Metastatic, Ovary

+  
X  
  
  
  
X  
  
  
X

Uterus

Carcinoma

Hemangiosarcoma

Polyp Stromal

+  
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 | 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 |   |   |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |   |  |  |
| .....                         |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |   |  |  |
| <b>SPRAGUE-DAWLEY RATS</b>    | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |   |  |  |
|                               | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |   |  |  |
| <b>FEMALE</b>                 | 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 |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |   |  |  |
|                               | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |   |  |  |
| <b>1000 UG/KG</b>             | 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 |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |   |  |  |
| .....                         |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |   |  |  |
| Squamous Cell Carcinoma       |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | X |   |   |   |   |   |   |   |   |   |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |   |  |  |
| Bilateral, Polyp Stromal      |   |   |   |   |   |   |   |   |   |   |   |   |   | X | X |   |   |   |   |   |   |   |   |   |   |   |   |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |   |  |  |
| .....                         |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |   |  |  |
| Vagina                        |   |   |   |   |   |   |   |   |   |   |   |   |   |   | + |   |   |   |   |   |   |   |   |   |   |   |   |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |   |  |  |
| Schwannoma Malignant          |   |   |   |   |   |   |   |   |   |   |   |   |   |   | X |   |   |   |   |   |   |   |   |   |   |   |   |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |   |  |  |
| .....                         |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |   |  |  |
| <b>HEMATOPOIETIC SYSTEM</b>   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |   |  |  |
| .....                         |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |   |  |  |
| Bone Marrow                   | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |   |  |  |
| .....                         |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |   |  |  |
| Lymph Node, Mandibular        | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |   |  |  |
| Lymphoma Malignant            | X |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |   |  |  |
| .....                         |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |   |  |  |
| Lymph Node, Mesenteric        | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |   |  |  |
| Carcinoma, Metastatic, Ovary  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  | X |  |  |
| Carcinoma, Metastatic, Uterus |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |  |  |  |  |  |  |  |  |  |  | X |  |  |  |  |  |  |   |  |  |
| .....                         |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |   |  |  |
| Spleen                        | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |   |  |  |
| Carcinoma, Metastatic, Uterus |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |  |  |  |  |  |  |  |  |  |  | X |  |  |  |  |  |  |   |  |  |
| Lymphoma Malignant            | X |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |   |  |  |
| .....                         |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |   |  |  |
| Thymus                        | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |   |  |  |
| Lymphoma Malignant            | X |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |   |  |  |

females  
(cont...)

\* .. 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 | 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 | 0 | 0 |
| 0 | 0 | 0 | 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 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 4 | 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 | 4 |   |

females  
(cont...)

**INTEGUMENTARY SYSTEM**

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

**MUSCULOSKELETAL SYSTEM**

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

**NERVOUS SYSTEM**

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

\* .. 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

|  |                     |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|--|---------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
|  |                     | 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 | 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 |
|  |                     | 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 |   |
|  |                     | 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 |   |
|  | 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...)**

**RESPIRATORY SYSTEM**

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

**SPECIAL SENSES SYSTEM**

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

**URINARY SYSTEM**

|                               |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|-------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Kidney                        | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Carcinoma, Metastatic, Uterus |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | X |
| Ureter                        |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | + |
| Carcinoma, Metastatic, Ovary  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 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 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | females<br>(cont...) |
|---------------------------------------|---|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|----------------------|
|                                       | 4 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                      |
|                                       | 8 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                      |
|                                       | 7 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                      |
| <b>SPRAGUE-DAWLEY RATS<br/>FEMALE</b> | 0 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | <b>1000 UG/KG</b>    |
|                                       | 0 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                      |
|                                       | 6 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                      |
|                                       | 0 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                      |
| ANIMAL ID                             | 1 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | females<br>(cont...) |
|                                       | 2 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                      |
|                                       | 3 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                      |
|                                       | 4 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                      |

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  
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 Route: GAVAGE  
 Species/Strain: RATS/SD

P04: NEOPLASMS BY INDIVIDUAL ANIMAL  
 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 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | females<br>(cont...) |
|-------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----------------------|
|                               | 7   | 2 | 7 | 7 | 7 | 6 | 7 | 7 | 6 | 6 | 5 | 7 | 4 | 7 | 7 | 7 | 4 | 7 | 7 | 5 | 7 | 7 | 5 | 7 |                      |
| SPRAGUE-DAWLEY RATS<br>FEMALE | 0 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | females<br>(cont...) |
|                               | 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 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | females<br>(cont...) |
| ANIMAL ID                     | 5   | 6 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 |                      |

**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               |   |   |   |   |   |   |   | X | X |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Hepatocellular Adenoma           |   |   |   |   |   | X |   |   |   |   |   |   | X | X |   |   |   |   |   |   |   |   |   |   |   |
| Hepatocellular Adenoma, Multiple |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Lymphoma Malignant               |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |

\* .. Total animals with tissue examined microscopically; Total animals with tumor  
 + .. Tissue examined microscopically  
 x .. Lesion present  
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 Route: GAVAGE  
 Species/Strain: RATS/SD

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 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 |
| <b>SPRAGUE-DAWLEY RATS</b> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <b>FEMALE</b>              | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <b>1000 UG/KG</b>          | 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 |
| <b>ANIMAL ID</b>           | 4 | 4 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 7 | 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...)

|                               |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|-------------------------------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| 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

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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 | 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 |
| <b>SPRAGUE-DAWLEY RATS FEMALE</b> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <b>1000 UG/KG</b>                 | 0 | 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 | 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...)

|                              |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 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  
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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 | 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 |
| <b>SPRAGUE-DAWLEY RATS FEMALE</b> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|                                   | 0 | 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 |
| <b>1000 UG/KG</b>                 | 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

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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 | 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 |
| <b>SPRAGUE-DAWLEY RATS FEMALE</b> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|                                   | 0 | 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 |
| <b>1000 UG/KG</b>                 | 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...)

Squamous Cell Carcinoma  
 Bilateral, Polyp Stromal

Vagina  
 Schwannoma Malignant

**HEMATOPOIETIC SYSTEM**

|   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Bone Marrow   | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Lymph Node, Mandibular<br>Lymphoma Malignant  | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Lymph Node, Mesenteric<br>Carcinoma, Metastatic, Ovary<br>Carcinoma, Metastatic, Uterus | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Spleen<br>Carcinoma, Metastatic, Uterus<br>Lymphoma Malignant                           | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Thymus<br>Lymphoma Malignant  | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |

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

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 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 |
| 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<br>FEMALE<br>1000 UG/KG | 0                        |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|   | 0                        |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|   | 6                        |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|   | 4                        |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|   | 5                        |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 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 |   |
|   | 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 | 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 |
|   | <b>females (cont...)</b> |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |

**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 | X |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

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

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

**ALIMENTARY SYSTEM**

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

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

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

**CARDIOVASCULAR SYSTEM**

|              |     |  |  |           |
|--------------|-----|--|--|-----------|
| Blood Vessel | + + |  |  | <b>52</b> |
|--------------|-----|--|--|-----------|

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 Lab: BAT

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

|                              |   |   |  |  |  |  |  |           |
|------------------------------|---|---|--|--|--|--|--|-----------|
| Heart                        | + | + |  |  |  |  |  | <b>52</b> |
| Carcinoma, Metastatic, Ovary |   |   |  |  |  |  |  | <b>1</b>  |
| Lymphoma Malignant           |   |   |  |  |  |  |  | <b>1</b>  |
| Schwannoma Benign            |   |   |  |  |  |  |  | <b>1</b>  |

**ENDOCRINE SYSTEM**

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

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 + .. Tissue examined microscopically  
 x .. Lesion present  
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 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 |                 |
| <hr/>                      |   |   |                 |
| <b>SPRAGUE-DAWLEY RATS</b> | 0 | 0 |                 |
| <b>FEMALE</b>              | 0 | 0 |                 |
|                            | 6 | 6 |                 |
| ANIMAL ID                  | 7 | 7 |                 |
| <b>1000 UG/KG</b>          | 4 | 5 |                 |
|                            |   |   | <b>* TOTALS</b> |
| Bilateral, C-cell, Adenoma |   |   | <b>1</b>        |
| C-cell, Adenoma            |   |   | <b>4</b>        |
| Follicular Cell, Adenoma   |   |   | <b>1</b>        |

**GENERAL BODY SYSTEM**

NONE

**GENITAL SYSTEM**

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

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

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

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

**INTEGUMENTARY SYSTEM**

|                        |   |   |           |
|------------------------|---|---|-----------|
| Mammary Gland          | + | + | <b>52</b> |
| Adenoma                |   |   | <b>1</b>  |
| Carcinoma              |   |   | <b>1</b>  |
| Fibroadenoma           |   |   | <b>15</b> |
| Fibroadenoma, Multiple |   |   | <b>5</b>  |
| .....                  |   |   |           |
| Skin                   | + | + | <b>52</b> |
| Fibroma                |   |   | <b>1</b>  |

**MUSCULOSKELETAL SYSTEM**

|                               |   |   |           |
|-------------------------------|---|---|-----------|
| Bone                          | + | + | <b>52</b> |
| .....                         |   |   |           |
| Skeletal Muscle               |   |   | <b>1</b>  |
| Carcinoma, Metastatic, Uterus |   |   | <b>1</b>  |

**NERVOUS SYSTEM**

|                      |   |   |           |
|----------------------|---|---|-----------|
| Brain                | + | + | <b>52</b> |
| Glioma Malignant     |   |   | <b>1</b>  |
| Meningioma Malignant |   |   | <b>1</b>  |

\* .. Total animals with tissue examined microscopically; Total animals with tumor  
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 I .. Insufficient tissue

M .. Missing tissue  
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TDMS No. 20304 - 01  
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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 |                 |
|                     | 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 |                 |
|                     |   |   | <b>* TOTALS</b> |

**RESPIRATORY SYSTEM**

|                               |   |   |           |
|-------------------------------|---|---|-----------|
| Lung                          | + | + | <b>52</b> |
| Carcinoma, Metastatic, Ovary  |   |   | <b>1</b>  |
| Carcinoma, Metastatic, Uterus |   |   | <b>1</b>  |
| .....                         |   |   |           |
| Nose                          | + | + | <b>52</b> |
| .....                         |   |   |           |
| Trachea                       | + | + | <b>52</b> |

**SPECIAL SENSES SYSTEM**

|                 |   |   |           |
|-----------------|---|---|-----------|
| Eye             | + | + | <b>52</b> |
| .....           |   |   |           |
| Harderian Gland | + | + | <b>52</b> |

**URINARY SYSTEM**

|                               |   |   |           |
|-------------------------------|---|---|-----------|
| Kidney                        | + | + | <b>52</b> |
| Carcinoma, Metastatic, Uterus |   |   | <b>1</b>  |
| .....                         |   |   |           |
| Ureter                        |   |   | <b>1</b>  |
| Carcinoma, Metastatic, Ovary  |   |   | <b>1</b>  |

\* .. 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  
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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 |                 |
|                     |   |   | <b>* TOTALS</b> |

|                 |   |   |           |
|-----------------|---|---|-----------|
| Urinary Bladder | + | + | <b>52</b> |
|-----------------|---|---|-----------|

**SYSTEMIC LESIONS**

|                    |   |   |           |
|--------------------|---|---|-----------|
| Multiple Organ     | + | + | <b>52</b> |
| Lymphoma Malignant |   |   | <b>1</b>  |

\* .. 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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 Test Type: CHRONIC  
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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 | 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 |
|                                       | 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 |
|                                       | 7 | 4 | 4 | 3 | 2 | 3 | 3 | 3 | 4 | 5 | 3 | 8 | 2 | 5 | 8 | 7 | 3 | 4 | 5 | 1 | 7 | 5 | 4 | 3 | 4 |
| <b>SPRAGUE-DAWLEY RATS<br/>FEMALE</b> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|                                       | 0 | 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 |
| <b>4600 UG/KG</b>                     | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 3 | 0 |
| ANIMAL ID                             | 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...)

**ALIMENTARY SYSTEM**

|                                  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Esophagus                        | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |   |
| Intestine Large, Cecum           | M | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |   |
| Intestine Large, Colon           | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |   |
| Intestine Large, Rectum          | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |   |
| Lymphoma Malignant               |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Intestine Small, Duodenum        | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |   |
| Intestine Small, Ileum           | M | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |   |
| Intestine Small, Jejunum         | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |   |
| Liver                            | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |   |
| Cholangiocarcinoma               | X |   |   |   |   |   |   |   |   | X |   |   |   |   |   | X |   |   |   |   |   | X |   |   |   |
| Cholangiocarcinoma, Multiple     |   | X |   | X | X | X | X | X |   |   | X | X | X | X | X | X | X |   |   |   | X |   | X | X |   |
| Hepatocellular Adenoma           |   |   |   | X |   |   |   |   |   |   |   | X | X |   |   |   |   | X |   |   |   |   |   |   |   |
| Hepatocellular Adenoma, Multiple |   | X |   |   | X |   |   | X |   |   |   |   |   |   |   |   |   |   |   |   |   | X | X | X | X |
| Hepatocellular Carcinoma         |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | X |   |
| 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        |
|----------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----------|
|                            | 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        |
| <b>SPRAGUE-DAWLEY RATS</b> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0        |
| <b>FEMALE</b>              | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0        |
| <b>4600 UG/KG</b>          | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7        |
| <b>ANIMAL ID</b>           | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 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        |
|                            |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | <b>0</b> |

**females  
(cont...)**

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

**CARDIOVASCULAR SYSTEM**

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

\* .. 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  
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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 | 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 | 3 | 4 | 5 | 3 | 8 | 2 | 5 | 8 | 7 | 3 | 4 | 5 | 1 | 7 | 5 | 4 |
| <b>SPRAGUE-DAWLEY RATS<br/>FEMALE</b> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|                                       | 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 | 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 |

**females  
(cont...)**

Lymphoma Malignant

X

**ENDOCRINE SYSTEM**

Adrenal Cortex

+ + + + M +

Adenoma

X X

Adrenal Medulla

+ + + + M +

Islets, Pancreatic

M + + + M +

Parathyroid Gland

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

Adenoma

Pituitary Gland

+ +

Pars Distalis, Adenoma

X

Thyroid Gland

A +

C-cell, Adenoma

**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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 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 | 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 | 4 | 5 | 3 | 8 | 2 | 5 | 8 | 7 | 3 | 4 | 5 | 1 | 7 | 5 | 4 | 3 | 4 | 4 | 4 |
| <b>SPRAGUE-DAWLEY RATS</b> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <b>FEMALE</b>              | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <b>4600 UG/KG</b>          | 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 |
| ANIMAL ID                  | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 3 | 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 | 0 | 0 |

females  
(cont...)

|                    |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |
|--------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--|
| Spleen             | M | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |  |
| Lymphoma Malignant |   |   |   |   |   |   |   |   |   |   | X |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |
| Thymus             | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |  |
| Lymphoma Malignant |   |   |   |   |   |   |   |   |   |   | X |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |

**INTEGUMENTARY SYSTEM**

|                      |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |
|----------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--|
| Mammary Gland        | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |  |
| Carcinoma            |   |   | X |   |   | X |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |
| Fibroadenoma         |   |   |   |   |   |   | X |   | X |   |   |   |   |   |   |   | X | X |   |   |   |   |   |   |   |   |   |  |
| Skin                 | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |  |
| Schwannoma Malignant |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |

**MUSCULOSKELETAL SYSTEM**

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

**NERVOUS SYSTEM**

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

\* .. 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 | 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 |
| <b>SPRAGUE-DAWLEY RATS<br/>FEMALE</b> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|                                       | 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 |
| <b>4600 UG/KG</b>                     | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 2 | 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 | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
|--------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|

\* .. 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 | 7 | 4 | 7 | 6 | 7 | 4 | 7 | 7 | 7 | 6 | 7 | 6 | 7 | 1 | 7 | 6 | 7 | 7 | 7 | 5 | 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 |
|             | 7 | 4 | 4 | 3 | 2 | 3 | 3 | 3 | 4 | 5 | 3 | 8 | 2 | 5 | 8 | 7 | 3 | 4 | 5 | 1 | 7 | 5 | 4 | 3 | 4 |

**SPRAGUE-DAWLEY RATS FEMALE**

4600 UG/KG

ANIMAL ID

females  
(cont...)

|   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 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 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 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 |   |

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 |   |
|---------------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
|                                       | 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 |
| <b>SPRAGUE-DAWLEY RATS<br/>FEMALE</b> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <b>4600 UG/KG</b>                     | 0 | 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...)

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

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  
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TDMS No. 20304 - 01  
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 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 | 0 |
| DAY ON TEST                | 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 |
| <b>SPRAGUE-DAWLEY RATS</b> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <b>FEMALE</b>              | 0 | 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 | 6 | 7 | 7 | 7 |
| <b>4600 UG/KG</b>          | 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 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |
| 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 | 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 | 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 |

  

|                            | ANIMAL ID |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | females (cont...) |
|----------------------------|-----------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-------------------|
|                            | 0         | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |                   |
| <b>SPRAGUE-DAWLEY RATS</b> | 0         | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0                 |
| <b>FEMALE</b>              | 0         | 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                 |
| <b>4600 UG/KG</b>          | 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                 |

|                          |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|--------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 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         | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Lymphoma Malignant             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | X |
| Lymph Node, Mesenteric         | + | + | + | + | + | + | + | + | + | M | + | M | + | + | + | M | + | + | + | + | + | + | + | + | + |
| 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  
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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   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | females<br>(cont...) |
|----------------------------|---|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|----------------------|
|                            | 0 4 6 7 7 6 6 7 0 0 7 0 7 6 7 6 7 6 7 7 7 7 4 7   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                      |
| ANIMAL ID                  | 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 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                      |
| <b>SPRAGUE-DAWLEY RATS</b> | 0   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                      |
| <b>FEMALE</b>              | 0   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                      |
| <b>4600 UG/KG</b>          | 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   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                      |
|                            | 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 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                      |

|                    |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |
|--------------------|---|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|---|
| Spleen             | + + + + + + + + + M + M + + + M + + + + + + + + + + |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |
| Lymphoma Malignant |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | X |
| Thymus             | + + + + + + + + + M + + + + + M + + + + + + + + + + |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |
| Lymphoma Malignant |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |

**INTEGUMENTARY SYSTEM**

|                      |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |
|----------------------|---|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|---|
| Mammary Gland        | + + + + + + + + + M + I + + + + + + + + + + + + + + |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |
| Carcinoma            |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |
| Fibroadenoma         | X X X X   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |
| Skin                 | + + + + + + + + + M + + + + + + + + + + + + + + + + |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |
| Schwannoma Malignant |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | X |

**MUSCULOSKELETAL SYSTEM**

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

**NERVOUS SYSTEM**

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

\* .. 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 |
| <b>SPRAGUE-DAWLEY RATS FEMALE</b> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|                                   | 0 | 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 |
| <b>4600 UG/KG</b>                 | 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

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  
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 Species/Strain: RATS/SD

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 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 |                 |
|                     |   |   | <b>* TOTALS</b> |

**ALIMENTARY SYSTEM**

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

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

**CARDIOVASCULAR SYSTEM**

|              |   |   |           |
|--------------|---|---|-----------|
| Blood Vessel | + | + | <b>51</b> |
| Heart        | + | + | <b>50</b> |

\* .. 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 |                 |
| .....                      |   |   |                 |
| <b>SPRAGUE-DAWLEY RATS</b> | 0 | 0 |                 |
| <b>FEMALE</b>              | 0 | 0 |                 |
|                            | 7 | 7 |                 |
| ANIMAL ID                  | 7 | 8 |                 |
| <b>4600 UG/KG</b>          | 9 | 0 |                 |
|                            |   |   | <b>* TOTALS</b> |

Lymphoma Malignant

1

**ENDOCRINE SYSTEM**

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

**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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 BLANK .. Not examined microscopically

TDMS No. 20304 - 01  
 Test Type: CHRONIC  
 Route: GAVAGE  
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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 |                 |
|----------------------------|---|---|-----------------|
|                            | 6 | 7 |                 |
|                            | 9 | 3 |                 |
|                            | 9 | 3 |                 |
| .....                      |   |   |                 |
| <b>SPRAGUE-DAWLEY RATS</b> | 0 | 0 |                 |
| <b>FEMALE</b>              | 0 | 0 |                 |
|                            | 7 | 7 |                 |
| ANIMAL ID                  | 7 | 8 |                 |
| <b>4600 UG/KG</b>          | 9 | 0 |                 |
|                            |   |   | <b>* TOTALS</b> |

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

**HEMATOPOIETIC SYSTEM**

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

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 + .. 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 |                 |
|----------------------------|---|---|-----------------|
|                            | 6 | 7 |                 |
|                            | 9 | 3 |                 |
|                            | 9 | 3 |                 |
| .....                      |   |   |                 |
| <b>SPRAGUE-DAWLEY RATS</b> | 0 | 0 |                 |
| <b>FEMALE</b>              | 0 | 0 |                 |
|                            | 7 | 7 |                 |
| ANIMAL ID                  | 7 | 8 |                 |
| <b>4600 UG/KG</b>          | 9 | 0 |                 |
|                            |   |   | <b>* TOTALS</b> |

|                    |   |   |           |
|--------------------|---|---|-----------|
| Spleen             | + | + | <b>47</b> |
| Lymphoma Malignant |   |   | <b>2</b>  |
| Thymus             | + | + | <b>49</b> |
| Lymphoma Malignant |   |   | <b>1</b>  |

**INTEGUMENTARY SYSTEM**

|                      |   |   |           |
|----------------------|---|---|-----------|
| Mammary Gland        | + | + | <b>50</b> |
| Carcinoma            |   |   | <b>2</b>  |
| Fibroadenoma         |   |   | <b>8</b>  |
| Skin                 | + | + | <b>51</b> |
| Schwannoma Malignant |   |   | <b>1</b>  |

**MUSCULOSKELETAL SYSTEM**

|      |   |   |           |
|------|---|---|-----------|
| Bone | + | + | <b>52</b> |
|------|---|---|-----------|

**NERVOUS SYSTEM**

|       |   |   |           |
|-------|---|---|-----------|
| Brain | + | + | <b>52</b> |
|-------|---|---|-----------|

\* .. 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

TDMS No. 20304 - 01  
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 Route: GAVAGE  
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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 |                 |
|----------------------------|---|---|-----------------|
|                            | 6 | 7 |                 |
|                            | 9 | 3 |                 |
|                            | 9 | 3 |                 |
| .....                      |   |   |                 |
| <b>SPRAGUE-DAWLEY RATS</b> | 0 | 0 |                 |
| <b>FEMALE</b>              | 0 | 0 |                 |
|                            | 7 | 7 |                 |
| ANIMAL ID                  | 7 | 8 |                 |
| <b>4600 UG/KG</b>          | 9 | 0 |                 |
|                            |   |   | <b>* TOTALS</b> |

|                    |  |  |          |
|--------------------|--|--|----------|
| Lymphoma Malignant |  |  | <b>1</b> |
| .....              |  |  |          |
| Spinal Cord        |  |  | <b>1</b> |

**RESPIRATORY SYSTEM**

|   |   |   |           |
|---|---|---|-----------|
| Lung                                      | + | + | <b>50</b> |
| Cystic Keratinizing Epithelioma           |   | X | <b>12</b> |
| Cystic Keratinizing Epithelioma, Multiple |   |   | <b>8</b>  |
| Lymphoma Malignant                        |   |   | <b>1</b>  |
| .....                                     |   |   |           |
| Nose                                      | + | + | <b>52</b> |
| .....                                     |   |   |           |
| Trachea                                   | + | + | <b>52</b> |

**SPECIAL SENSES SYSTEM**

|                 |   |   |           |
|-----------------|---|---|-----------|
| Eye             | + | + | <b>52</b> |
| .....           |   |   |           |
| Harderian Gland | + | + | <b>52</b> |

**URINARY SYSTEM**

|        |   |   |           |
|--------|---|---|-----------|
| Kidney | + | + | <b>50</b> |
|--------|---|---|-----------|

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 + .. Tissue examined microscopically  
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M .. Missing tissue  
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 First Dose M/F: NA / 03/26/04  
 Lab: BAT

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

|                 |  |   |   |           |
|-----------------|--|---|---|-----------|
| Urinary Bladder |  | + | + | <b>50</b> |
|-----------------|--|---|---|-----------|

**SYSTEMIC LESIONS**

|                    |  |   |   |           |
|--------------------|--|---|---|-----------|
| Multiple Organ     |  | + | + | <b>52</b> |
| Lymphoma Malignant |  | X |   | <b>3</b>  |

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 x .. Lesion present  
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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 |
|-----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
|                                   | 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 |
|                                   | 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 |
| <b>SPRAGUE-DAWLEY RATS FEMALE</b> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|                                   | 0 | 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 |
| <b>4600 UG/KG STOP</b>            | 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 |
| 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 | 5 |

females  
(cont...)

**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 |   |   |   |   |   |   |   |   |   |
| 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

M .. Missing tissue  
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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 | 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 | 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 |   |
| <b>SPRAGUE-DAWLEY RATS</b>    | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |   |
| <b>FEMALE</b>                 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |   |
| <b>4600 UG/KG STOP</b>        | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 |   |
| <b>ANIMAL ID</b>              | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 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 |   |
| 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                         |   |   |   |   |   |   | + |   |   |   |   |   |   |   |   | + |   |   |   |   |   | + | + |   |   |

females  
(cont...)

**CARDIOVASCULAR SYSTEM**

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

\* .. Total animals with tissue examined microscopically; Total animals with tumor  
 + .. Tissue examined microscopically  
 x .. Lesion present  
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TDMS No. 20304 - 01  
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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 | 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 |
| <b>SPRAGUE-DAWLEY RATS FEMALE</b> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|                                   | 0 | 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 |
| <b>4600 UG/KG STOP</b>            | 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 |
| Pars Distalis, Carcinoma                          |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | X |
| 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  
 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 | 5 | 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 | 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 |   |
| <b>SPRAGUE-DAWLEY RATS</b> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |   |
| <b>FEMALE</b>              | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |   |
| <b>4600 UG/KG STOP</b>     | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 |   |
| <b>ANIMAL ID</b>           | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 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...)

NONE

**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 |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       | ANIMAL ID | females<br>(cont...) |
|-----------------------------------|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-----------|----------------------|
|                                   | 06771       | 07734 | 07735 | 07657 | 07332 | 07733 | 07734 | 07735 | 07736 | 07474 | 07774 | 07775 | 07676 | 07777 | 07678 | 07679 | 07555 | 07776 | 07777 | 07778 | 07779 | 07780 | 07781 | 07782 | 07783 |           |                      |
| <b>SPRAGUE-DAWLEY RATS FEMALE</b> | 0           | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0         | 0                    |
| <b>4600 UG/KG STOP</b>            | 0           | 0     | 0     | 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                    |
|                                   | 0           | 0     | 0     | 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     | 1     | 2     | 3     | 4     | 5     | 6     | 7     | 8     | 9     | 0     | 1     | 2     | 3     | 4     | 5     | 6         | 7                    |

|                               |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|-------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 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 | 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 | 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                    |
| 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                    |
| 4600 UG/KG STOP     | 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 | 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<br>(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 |
|---------------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
|                                       | 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 |   |
| <b>SPRAGUE-DAWLEY RATS<br/>FEMALE</b> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |   |
|                                       | 0 | 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 |   |
| <b>4600 UG/KG STOP</b>                | 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...)**

**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  
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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 |
|-----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------------|---|
|                                   | 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 |                 |   |
| <b>SPRAGUE-DAWLEY RATS FEMALE</b> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0               |   |
| <b>4600 UG/KG STOP</b>            | 0 | 0 | 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               |   |
|                                   | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 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 | <b>* TOTALS</b> |   |

### 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                           |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | X |   |   |   |   |   |   | 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  
 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 |
|-----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------------|---|
|                                   | 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 |                 |   |
| <b>SPRAGUE-DAWLEY RATS FEMALE</b> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0               |   |
|                                   | 0 | 0 | 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               |   |
| <b>4600 UG/KG STOP</b>            | 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 | <b>* TOTALS</b> |   |

|   |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |          |
|---|---|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|----------|
| Carcinoma, Metastatic, Uterus                     | X |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | <b>1</b> |
| Granulosa Cell Tumor Malignant, Metastatic, Ovary |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | <b>1</b> |

**NERVOUS SYSTEM**

|  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |           |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------|
| Brain                                  | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | <b>50</b> |
| Carcinoma, Metastatic, Pituitary Gland |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | X |   |   |   |   |   |   |   |   |   | <b>1</b>  |

**RESPIRATORY SYSTEM**

|                                      |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |           |
|--------------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------|
| Lung                                 | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | <b>50</b> |
| Carcinoma, Metastatic, Thyroid Gland |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | <b>1</b>  |
| Carcinoma, Metastatic, Uterus        |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | <b>2</b>  |
| Nose                                 | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | <b>50</b> |
| Trachea                              | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | <b>50</b> |

**SPECIAL SENSES SYSTEM**

|                 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |           |
|-----------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------|
| Eye             | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | <b>50</b> |
| Harderian Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | <b>50</b> |

\* .. 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 |
| <b>SPRAGUE-DAWLEY RATS FEMALE</b> | 0               | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|                                   | 0               | 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 |
| <b>ANIMAL ID</b>                  | 2               | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 5 |
| <b>4600 UG/KG STOP</b>            | 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 |
|                                   | <b>* TOTALS</b> |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |

**URINARY SYSTEM**

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

**SYSTEMIC LESIONS**

|                |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |           |
|----------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------|
| Multiple Organ | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | <b>50</b> |
|----------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------|

\*\*\* 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