

**Experiment Number:** 96014 - 05  
**Test Type:** CHRONIC  
**Route:** DOSED WATER  
**Species/Strain:** RATS/F344/N Tac

**P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)**

Water disinfection byproducts (Bromodichloroacetic acid)

**CAS Number:** 71133-14-7

**Date Report Requested:** 03/05/2013

**Time Report Requested:** 08:02:51

**First Dose M/F:** 10/26/06 / 10/27/06

**Lab:** BAT

F1\_RD\_Rev. 1

<b>NTP Study Number:</b>	C96014B		
<b>Lock Date:</b>	11/17/2009		
<b>Cage Range:</b>	ALL		
<b>Date Range:</b>	ALL		
<b>Reasons For Removal:</b>	25021 TSAC	25020 NATD	25019 MSAC
<b>Removal Date Range:</b>	ALL		
<b>Treatment Groups:</b>	Include ALL		
<b>Study Gender:</b>	Both		
<b>TDMSE Version:</b>	3.0.1.1_001		
<b>PWG Approval Date:</b>	NONE		

Note: Animals arranged according to days on test.

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FISCHER 344-TACONIC RATS MALE 0 mg/L	DAY ON TEST																								males (cont...)
	0383	0477	0537	0544	0551	0555	0557	0558	0558	0559	0563	0566	0566	0566	0566	0566	0566	0566	0566	0566	0566	0567	0567		
ANIMAL ID	0025	0007	0006	0001	0002	0009	0000	0002	0003	0007	0000	0005	0004	0004	0008	0005	0009	0002	0001	0006	0002	0004	0002		

**ALIMENTARY SYSTEM**

Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Liver	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Fibrous Histiocytoma																							
Mesentery																							
Oral Mucosa	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Squamous Cell Carcinoma												X											
Pancreas	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Acinus, Adenoma																							
Salivary Glands	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Squamous Cell Papilloma																							

\* .. 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

FISCHER 344-TACONIC RATS MALE 0 mg/L	DAY ON TEST																									males (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		
	3	4	5	5	5	5	5	5	5	5	5	5	6	6	6	6	6	6	6	6	6	6	6	6		
	8	7	3	4	6	6	7	8	8	8	9	0	0	0	1	1	3	4	5	6	6	6	7	7		
	3	7	7	4	1	8	9	0	8	9	3	2	7	8	0	7	8	4	7	4	4	4	4	4		
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
	2	1	1	4	5	0	1	6	0	3	4	6	4	1	4	0	2	3	1	3	4	6	6	5		
	5	7	6	1	2	9	0	2	3	7	0	5	4	4	8	5	9	2	1	6	2	0	6	4		

Stomach, Glandular

+ +

Tongue

+ +

Tooth

+

**CARDIOVASCULAR SYSTEM**

Blood Vessel

+ +

Heart

+ +

**ENDOCRINE SYSTEM**

Adrenal Cortex

+ +

Adenoma

Adrenal Medulla

+ X +

Pheochromocytoma Benign

X

X

Bilateral, Pheochromocytoma Benign

X

Islets, Pancreatic

+ +

Parathyroid Gland

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

Pituitary Gland

+ +

Pars Distalis, Adenoma

X

X

X

X

X

X

X

X

X

X

X

X

Thyroid Gland

+ +

Bilateral, C-cell, Adenoma

X

C-cell, Adenoma

X

X

X

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

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**P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)**

Water disinfection byproducts (Bromodichloroacetic acid)

CAS Number: 71133-14-7

Date Report Requested: 03/05/2013

Time Report Requested: 08:02:51

First Dose M/F: 10/26/06 / 10/27/06

Lab: BAT

|                                      |               | DAY ON TEST |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | males<br>(cont...) |   |
|--------------------------------------|---------------|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--------------------|---|
|                                      |               | 0           | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |                    | 0 |
| <b>FISCHER 344-TACONIC RATS MALE</b> |               | 3           | 4 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6                  |   |
|                                      |               | 8           | 7 | 3 | 4 | 6 | 6 | 7 | 8 | 8 | 8 | 9 | 0 | 0 | 0 | 1 | 1 | 3 | 4 | 5 | 6 | 6                  | 6 |
|                                      |               | 3           | 7 | 7 | 4 | 1 | 8 | 9 | 0 | 8 | 9 | 3 | 2 | 7 | 8 | 0 | 7 | 8 | 4 | 7 | 4 | 4                  | 4 |
|                                      | <b>0 mg/L</b> | 0           | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0                  | 0 |
|                                      | ANIMAL ID     | 0           | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0                  | 0 |
|                                      | 0             | 0           | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0                  |   |
|                                      | 2             | 1           | 1 | 4 | 5 | 0 | 1 | 6 | 0 | 3 | 4 | 6 | 4 | 1 | 4 | 0 | 2 | 3 | 1 | 3 | 4 | 6                  |   |
|                                      | 5             | 7           | 6 | 1 | 2 | 9 | 0 | 2 | 3 | 7 | 0 | 5 | 4 | 4 | 8 | 5 | 9 | 2 | 1 | 6 | 2 | 0                  |   |

Follicular Cell, Adenoma

**GENERAL BODY SYSTEM**

NONE

**GENITAL SYSTEM**

|                                       |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|---------------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Epididymis                            | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Preputial Gland                       | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Adenoma                               |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | X |   |   |   |   |
| Carcinoma                             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | X |   |   |
| Prostate                              | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Adenoma                               |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | X |   |   |   |   |
| Seminal Vesicle                       | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Testes                                | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Bilateral, Interstitial Cell, Adenoma |   |   | X |   |   |   |   |   |   |   | X |   | X | X |   |   | X | X |   |   | X | X |
| Interstitial Cell, Adenoma            |   |   |   | X |   | X |   |   |   |   |   |   |   | X | X | X |   |   |   |   |   | X |

**HEMATOPOIETIC SYSTEM**

|                                   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|-----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Bone Marrow                       | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Lymph Node                        |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Mediastinal, Fibrous Histiocytoma |   |   |   |   |   |   |   |   |   | + |   |   |   |   |   |   |   | + |   |   |   |   |
| Lymph Node, Mandibular            | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Lymph Node, Mesenteric            | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |

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Lab: BAT

| DAY ON TEST<br>FISCHER 344-TACONIC RATS MALE<br>0 mg/L | ANIMAL ID |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |   | males<br>(cont...) |
|--|-----------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|---|--------------------|
|  | 0025      | 0027 | 0031 | 0034 | 0041 | 0048 | 0055 | 0062 | 0069 | 0076 | 0083 | 0090 | 0097 | 0104 | 0111 | 0118 | 0125 | 0132 | 0139 | 0146 | 0153 | 0160 | 0167 |   |                    |
| Spleen   | +         | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | + |                    |
| Thymus   | +         | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | M    | +    | +    | +    | + |                    |
| <b>INTEGUMENTARY SYSTEM</b>                            |           |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |   |                    |
| Mammary Gland  | +         | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | + |                    |
| Skin   | +         | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | + |                    |
| Keratoacanthoma  |           |      |      | X    |      |      |      |      |      |      |      |      |      |      |      |      |      |      | X    | X    | X    | X    |      |   |                    |
| Squamous Cell Papilloma                                |           |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |   |                    |
| Pinna, Squamous Cell Papilloma                         |           |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |   |                    |
| Subcutaneous Tissue, Fibroma                           |           |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | X    |      |      |      |      | X |                    |
| Subcutaneous Tissue, Fibrosarcoma                      |           |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | X    |      |   |                    |
| Subcutaneous Tissue, Fibrous Histiocytoma              |           |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |   |                    |
| Subcutaneous Tissue, Lipoma                            |           |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |   |                    |
| <b>MUSCULOSKELETAL SYSTEM</b>                          |           |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |   |                    |
| Bone   | +         | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | + |                    |
| Osteoma  |           |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | X |                    |
| Skeletal Muscle  |           |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |   |                    |
| Fibrous Histiocytoma                                   |           |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |   |                    |
| <b>NERVOUS SYSTEM</b>                                  |           |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |   |                    |
| Brain  | +         | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | + |                    |
| Fibrous Histiocytoma                                   |           |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |   |                    |
| Meninges, Granular Cell Tumor Benign                   |           |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |   |                    |
| <b>RESPIRATORY SYSTEM</b>                              |           |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |   |                    |

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| FISCHER 344-TACONIC RATS MALE | DAY ON TEST |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | ANIMAL ID | males<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 |           |                    |  |
| 0 mg/L                        | 3           | 4 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 0         |                    |  |
|                               | 8           | 7 | 3 | 4 | 6 | 6 | 7 | 8 | 8 | 8 | 9 | 0 | 0 | 0 | 1 | 1 | 3 | 4 | 5 | 6 | 6 | 6 | 6 | 7 | 7         | 0                  |  |
|                               | 3           | 7 | 7 | 4 | 1 | 8 | 9 | 0 | 8 | 9 | 3 | 2 | 7 | 8 | 0 | 7 | 8 | 4 | 7 | 4 | 4 | 4 | 4 | 1 | 4         | 0                  |  |
|                               | 0           | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0         | 0                  |  |
|                               | 0           | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0         | 0                  |  |
|                               | 2           | 1 | 1 | 4 | 5 | 0 | 1 | 6 | 0 | 3 | 4 | 6 | 4 | 1 | 4 | 0 | 2 | 3 | 1 | 3 | 4 | 6 | 6 | 5 | 0         | 0                  |  |
|                               | 5           | 7 | 6 | 1 | 2 | 9 | 0 | 2 | 3 | 7 | 0 | 5 | 4 | 4 | 8 | 5 | 9 | 2 | 1 | 6 | 2 | 0 | 6 | 4 | 2         | 0                  |  |

|  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Lung                                   | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |   |
| Alveolar/Bronchiolar Adenoma           |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Carcinoma, Metastatic, Harderian Gland |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | X |
| Fibrous Histiocytoma                   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Squamous Cell Carcinoma                |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Nose                                   | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |   |
| Trachea                                | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |   |

**SPECIAL SENSES SYSTEM**

|                    |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|--------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Ear                |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Neural Crest Tumor |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Eye                | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |   |
| Harderian Gland    | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |   |
| Carcinoma          |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Zymbal's Gland     |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Carcinoma          |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | + |
|                    |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | X |

**URINARY SYSTEM**

|                       |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |
|-----------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--|
| Kidney                | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |  |
| Lipoma                |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |
| Renal Tubule, Adenoma |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |
| Urinary Bladder       | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |  |

**SYSTEMIC LESIONS**

\* .. 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

Experiment Number: 96014 - 05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F344/N Tac

**P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)**

Water disinfection byproducts (Bromodichloroacetic acid)

CAS Number: 71133-14-7

Date Report Requested: 03/05/2013

Time Report Requested: 08:02:51

First Dose M/F: 10/26/06 / 10/27/06

Lab: BAT

| FISCHER 344-TACONIC RATS MALE | DAY ON TEST |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |  | males<br>(cont...) |
|-------------------------------|-------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|--|--------------------|
|                               | 0383        | 0477 | 0537 | 0544 | 0551 | 0558 | 0565 | 0572 | 0579 | 0586 | 0593 | 0600 | 0607 | 0614 | 0621 | 0628 | 0635 | 0642 | 0649 | 0656 | 0663 | 0670 | 0677 |  |                    |
| 0 mg/L                        | 0025        | 0076 | 0011 | 0042 | 0093 | 0000 | 0051 | 0002 | 0033 | 0084 | 0000 | 0051 | 0002 | 0033 | 0084 | 0000 | 0051 | 0002 | 0033 | 0084 | 0000 | 0051 | 0002 |  |                    |
|                               | 0001        | 0006 | 0011 | 0016 | 0021 | 0026 | 0031 | 0036 | 0041 | 0046 | 0051 | 0056 | 0061 | 0066 | 0071 | 0076 | 0081 | 0086 | 0091 | 0096 | 0101 | 0106 | 0111 |  |                    |
| Multiple Organ                | +           | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    |  |                    |
| Leukemia Mononuclear          |             |      |      | X    |      |      |      |      |      | X    |      | X    |      |      | X    | X    |      |      |      | X    |      |      | X    |  |                    |
| Mesothelioma 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  
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 BLANK .. Not examined microscopically

Experiment Number: 96014 - 05  
Test Type: CHRONIC  
Route: DOSED WATER  
Species/Strain: RATS/F344/N Tac

**P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)**  
Water disinfection byproducts (Bromodichloroacetic acid)  
CAS Number: 71133-14-7

Date Report Requested: 03/05/2013  
Time Report Requested: 08:02:51  
First Dose M/F: 10/26/06 / 10/27/06  
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 |
|--------------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------------|---|---|
| <b>FISCHER 344-TACONIC RATS MALE</b> | 6 | 6 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7               | 7 |   |
|                                      | 7 | 8 | 8 | 8 | 8 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2               | 2 |   |
| <b>0 mg/L</b>                        | 8 | 0 | 0 | 0 | 3 | 7 | 9 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6               | 6 |   |
|                                      |   | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0               | 0 |   |
|                                      |   | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0               | 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 | 0 | 5 | 0 | 3 | 1 | 0 | 0 | 0 | 1 | 1 | 3 | 1 | 2 | 2 | 2 | 3 | 3 | 3 | 4 | 4 | 4               | 6 |   |
|                                      |   | 5 | 4 | 3 | 6 | 8 | 2 | 1 | 7 | 8 | 3 | 5 | 9 | 8 | 6 | 7 | 8 | 0 | 1 | 3 | 3 | 6 | 7               | 4 |   |
|                                      |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | <b>* TOTALS</b> |   |   |

**ALIMENTARY SYSTEM**

|                           |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |           |
|---------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------|
| Esophagus                 | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | <b>50</b> |
| Intestine Large, Cecum    | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | <b>50</b> |
| Intestine Large, Colon    | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | <b>50</b> |
| Intestine Large, Rectum   | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | <b>50</b> |
| Intestine Small, Duodenum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | <b>50</b> |
| Intestine Small, Ileum    | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | <b>50</b> |
| Intestine Small, Jejunum  | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | <b>50</b> |
| Liver                     | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | <b>50</b> |
| Fibrous Histiocytoma      |   |   |   |   |   | X |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | <b>1</b>  |
| Mesentery                 |   |   |   |   |   |   | + |   |   |   |   |   |   | + | + |   | + |   |   | + | + |   | + | <b>7</b>  |
| Oral Mucosa               | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | <b>50</b> |
| Squamous Cell Carcinoma   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | <b>1</b>  |
| Pancreas                  | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | <b>50</b> |
| Acinus, Adenoma           |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | X | <b>1</b>  |
| Salivary Glands           | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | <b>50</b> |
| Stomach, Forestomach      | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | <b>50</b> |
| Squamous Cell Papilloma   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | X |   |   |   |   |   |   |   |   | <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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Experiment Number: 96014 - 05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F344/N Tac

**P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)**

Water disinfection byproducts (Bromodichloroacetic acid)

CAS Number: 71133-14-7

Date Report Requested: 03/05/2013

Time Report Requested: 08:02:51

First Dose M/F: 10/26/06 / 10/27/06

Lab: BAT

| FISCHER 344-TACONIC RATS MALE      | DAY ON TEST |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       | * TOTALS |       |       |  |
|------------------------------------|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----------|-------|-------|--|
|                                    | 0678        | 0678  | 0678  | 0678  | 0678  | 0678  | 0678  | 0678  | 0678  | 0678  | 0678  | 0678  | 0678  | 0678  | 0678  | 0678  | 0678  | 0678  | 0678  | 0678  | 0678  | 0678  | 0678  | 0678  |          |       |       |  |
| 0 mg/L                             | ANIMAL ID   |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |          |       |       |  |
|                                    | 00045       | 00043 | 00006 | 00008 | 00003 | 00001 | 00002 | 00007 | 00008 | 00003 | 00005 | 00009 | 00008 | 00006 | 00007 | 00008 | 00000 | 00001 | 00003 | 00003 | 00004 | 00004 | 00004 | 00006 | 00001    | 00003 | 00004 |  |
| Stomach, Glandular                 | +           | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +        | +     | 50    |  |
| Tongue                             | +           | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +        | +     | 50    |  |
| Tooth                              |             |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |          |       | 1     |  |
| <b>CARDIOVASCULAR SYSTEM</b>       |             |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |          |       |       |  |
| Blood Vessel                       | +           | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +        | +     | 50    |  |
| Heart                              | +           | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +        | +     | 50    |  |
| <b>ENDOCRINE SYSTEM</b>            |             |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |          |       |       |  |
| Adrenal Cortex                     | +           | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +        | +     | 50    |  |
| Adenoma                            |             |       |       |       |       |       |       |       | X     |       |       |       |       |       |       |       |       |       |       | X     |       |       |       |       |          |       | 2     |  |
| Adrenal Medulla                    | +           | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +        | +     | 50    |  |
| Pheochromocytoma Benign            |             |       | X     | X     |       |       |       |       |       |       | X     | X     |       |       |       |       |       | X     | X     |       |       |       |       |       |          |       | 8     |  |
| Bilateral, Pheochromocytoma Benign |             |       |       |       |       |       |       |       | X     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |          |       | 2     |  |
| Islets, Pancreatic                 | +           | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +        | +     | 50    |  |
| Parathyroid Gland                  | +           | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +        | +     | 49    |  |
| Pituitary Gland                    | +           | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +        | +     | 50    |  |
| Pars Distalis, Adenoma             | X           | X     | X     | X     | X     |       | X     | X     |       |       | X     | X     |       | X     | X     | X     |       | X     | X     |       |       | X     | X     |       | X        | X     | 26    |  |
| Thyroid Gland                      | +           | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +        | +     | 50    |  |
| Bilateral, C-cell, Adenoma         |             |       | X     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |          |       | 2     |  |
| C-cell, Adenoma                    |             |       |       |       |       |       |       |       |       |       |       | X     |       |       |       |       | X     |       | X     |       |       |       |       |       |          |       | 5     |  |
| C-cell, Carcinoma                  |             |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |          |       | 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  
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Experiment Number: 96014 - 05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F344/N Tac

**P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)**  
 Water disinfection byproducts (Bromodichloroacetic acid)  
 CAS Number: 71133-14-7

Date Report Requested: 03/05/2013  
 Time Report Requested: 08:02:51  
 First Dose M/F: 10/26/06 / 10/27/06  
 Lab: BAT

| FISCHER 344-TACONIC RATS MALE | DAY ON TEST |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | * TOTALS |
|-------------------------------|-------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|----------|
|                               | 0678        | 0668 | 0668 | 0668 | 0668 | 0671 | 0672 | 0672 | 0672 | 0672 | 0672 | 0672 | 0672 | 0672 | 0672 | 0672 | 0672 | 0672 | 0672 | 0672 | 0672 | 0672 | 0672 | 0672 |          |
| 0 mg/L                        | 00          | 00   | 00   | 00   | 00   | 00   | 00   | 00   | 00   | 00   | 00   | 00   | 00   | 00   | 00   | 00   | 00   | 00   | 00   | 00   | 00   | 00   | 00   | 00   | 1        |
| ANIMAL ID                     | 00          | 00   | 00   | 00   | 00   | 00   | 00   | 00   | 00   | 00   | 00   | 00   | 00   | 00   | 00   | 00   | 00   | 00   | 00   | 00   | 00   | 00   | 00   | 00   | 1        |
|                               | 40          | 05   | 00   | 03   | 01   | 00   | 00   | 00   | 01   | 01   | 03   | 01   | 02   | 02   | 02   | 03   | 03   | 03   | 04   | 04   | 04   | 06   | 06   | 06   | 1        |
|                               | 54          | 43   | 66   | 88   | 22   | 11   | 77   | 88   | 33   | 55   | 99   | 88   | 66   | 77   | 88   | 00   | 11   | 33   | 33   | 66   | 77   | 11   | 33   | 44   | 1        |

Follicular Cell, Adenoma

X

1

**GENERAL BODY SYSTEM**

NONE

**GENITAL SYSTEM**

|                                       |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |    |
|---------------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|----|
| Epididymis                            | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | +  | 50 |
| Preputial Gland                       | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | +  | 50 |
| Adenoma                               |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | X |   |   |   |   |    | 2  |
| Carcinoma                             |   |   | X |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    | 2  |
| Prostate                              | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | +  | 50 |
| Adenoma                               |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    | 1  |
| Seminal Vesicle                       | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | +  | 50 |
| Testes                                | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | +  | 50 |
| Bilateral, Interstitial Cell, Adenoma | X |   |   |   | X | X |   | X |   | X |   | X | X | X | X | X | X |   | X |   | X | X | X | 25 |    |
| Interstitial Cell, Adenoma            |   | X |   |   |   |   |   |   |   | X |   | X |   |   |   |   |   |   |   |   |   |   |   |    | 9  |

**HEMATOPOIETIC SYSTEM**

|                                   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |
|-----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|
| Bone Marrow                       | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Lymph Node                        |   |   |   |   |   | + |   |   | + | + |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 5  |
| Mediastinal, Fibrous Histiocytoma |   |   |   |   |   | X |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1  |
| Lymph Node, Mandibular            | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Lymph Node, Mesenteric            | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |

\* .. Total animals with tissue examined microscopically; Total animals with tumor  
 + .. Tissue examined microscopically  
 X .. Lesion present  
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Water disinfection byproducts (Bromodichloroacetic acid)

CAS Number: 71133-14-7

Date Report Requested: 03/05/2013

Time Report Requested: 08:02:51

First Dose M/F: 10/26/06 / 10/27/06

Lab: BAT

| FISCHER 344-TACONIC RATS MALE             | DAY ON TEST |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | * TOTALS |      |  |
|---|-------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|----------|------|--|
|   | 0678        | 0678 | 0678 | 0678 | 0678 | 0678 | 0678 | 0678 | 0678 | 0678 | 0678 | 0678 | 0678 | 0678 | 0678 | 0678 | 0678 | 0678 | 0678 | 0678 | 0678 | 0678 | 0678 | 0678 |          |      |  |
| 0 mg/L                                    | ANIMAL ID   |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | * TOTALS |      |  |
|   | 0045        | 0045 | 0045 | 0045 | 0045 | 0045 | 0045 | 0045 | 0045 | 0045 | 0045 | 0045 | 0045 | 0045 | 0045 | 0045 | 0045 | 0045 | 0045 | 0045 | 0045 | 0045 | 0045 | 0045 |          | 0045 |  |
| Spleen                                    | +           | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | 50       |      |  |
| Thymus                                    | +           | +    | +    | +    | +    | M    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | 48       |      |  |
| <b>INTEGUMENTARY SYSTEM</b>               |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |          |      |  |
| Mammary Gland                             | +           | +    | +    | +    | +    | +    | +    | +    | M    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | 49       |      |  |
| Skin                                      | +           | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | 50       |      |  |
| Keratoacanthoma                           |             |      |      | X    |      |      |      |      |      |      |      |      | X    |      |      |      |      |      |      |      |      |      |      |      | 7        |      |  |
| Squamous Cell Papilloma                   |             | X    |      |      |      |      | X    |      |      |      |      |      | X    |      |      |      |      |      |      |      |      |      |      |      | 2        |      |  |
| Pinna, Squamous Cell Papilloma            |             |      |      |      |      |      |      |      |      |      |      |      | X    |      |      |      |      |      |      |      |      |      |      |      | 1        |      |  |
| Subcutaneous Tissue, Fibroma              |             |      |      |      |      |      |      |      | X    |      |      |      |      |      | X    |      |      |      |      |      |      |      |      |      | 4        |      |  |
| Subcutaneous Tissue, Fibrosarcoma         |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | 1        |      |  |
| Subcutaneous Tissue, Fibrous Histiocytoma |             |      |      |      |      | X    |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | 1        |      |  |
| Subcutaneous Tissue, Lipoma               |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | X    |      |      |      | 1        |      |  |
| <b>MUSCULOSKELETAL SYSTEM</b>             |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |          |      |  |
| Bone                                      | +           | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | 50       |      |  |
| Osteoma                                   |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | 1        |      |  |
| Skeletal Muscle                           |             |      |      |      |      |      | +    |      |      |      |      |      |      |      | +    | +    |      |      |      |      | +    |      |      |      | 4        |      |  |
| Fibrous Histiocytoma                      |             |      |      |      |      |      | X    |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | 1        |      |  |
| <b>NERVOUS SYSTEM</b>                     |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |          |      |  |
| Brain                                     | +           | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | 50       |      |  |
| Fibrous Histiocytoma                      |             |      |      |      |      |      | X    |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | 1        |      |  |
| Meninges, Granular Cell Tumor Benign      | X           |      |      |      |      |      | X    |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | 2        |      |  |
| <b>RESPIRATORY SYSTEM</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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Experiment Number: 96014 - 05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F344/N Tac

**P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)**

Water disinfection byproducts (Bromodichloroacetic acid)

CAS Number: 71133-14-7

Date Report Requested: 03/05/2013

Time Report Requested: 08:02:51

First Dose M/F: 10/26/06 / 10/27/06

Lab: BAT

| FISCHER 344-TACONIC RATS MALE          | DAY ON TEST |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | * TOTALS |
|--|-------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|----------|
|  | 0678        | 0668 | 0668 | 0668 | 0668 | 0671 | 0671 | 0671 | 0671 | 0671 | 0671 | 0671 | 0671 | 0671 | 0671 | 0671 | 0671 | 0671 | 0671 | 0671 | 0671 | 0671 | 0671 |      |          |
| 0 mg/L                                 | 0045        | 0043 | 0003 | 0008 | 0007 | 0009 | 0002 | 0001 | 0007 | 0008 | 0003 | 0005 | 0009 | 0008 | 0006 | 0007 | 0008 | 0000 | 0001 | 0003 | 0003 | 0004 | 0004 | 0006 |          |
|  | 0004        | 0003 | 0000 | 0003 | 0008 | 0001 | 0002 | 0000 | 0000 | 0000 | 0001 | 0001 | 0003 | 0001 | 0002 | 0002 | 0002 | 0003 | 0003 | 0003 | 0004 | 0004 | 0004 | 0006 |          |
| Lung                                   | +           | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | 50   |          |
| Alveolar/Bronchiolar Adenoma           |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | 3    |          |
| Carcinoma, Metastatic, Harderian Gland | X           |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | 1    |          |
| Fibrous Histiocytoma                   |             |      |      |      |      | X    |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | 1    |          |
| Squamous Cell Carcinoma                |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | X    |      | 1    |          |
| Nose                                   | +           | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | 50   |          |
| Trachea                                | +           | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | 50   |          |
| <b>SPECIAL SENSES SYSTEM</b>           |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |          |
| Ear                                    |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |          |
| Neural Crest Tumor                     |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | X    |      | 1    |          |
| Eye                                    | +           | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | 50   |          |
| Harderian Gland                        | +           | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | 50   |          |
| Carcinoma                              | X           |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | 1    |          |
| Zymbal's Gland                         |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | 1    |          |
| Carcinoma                              |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | 1    |          |
| <b>URINARY SYSTEM</b>                  |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |          |
| Kidney                                 | +           | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | 50   |          |
| Lipoma                                 |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | X    |      | 1    |          |
| Renal Tubule, Adenoma                  | X           |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | 1    |          |
| Urinary Bladder                        | +           | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | 50   |          |
| <b>SYSTEMIC LESIONS</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

Experiment Number: 96014 - 05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F344/N Tac

**P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)**  
 Water disinfection byproducts (Bromodichloroacetic acid)  
 CAS Number: 71133-14-7

Date Report Requested: 03/05/2013  
 Time Report Requested: 08:02:51  
 First Dose M/F: 10/26/06 / 10/27/06  
 Lab: BAT

| FISCHER 344-TACONIC RATS MALE | DAY ON TEST |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | * TOTALS |
|-------------------------------|-------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|----------|
|                               | 0678        | 0678 | 0678 | 0678 | 0678 | 0678 | 0678 | 0678 | 0678 | 0678 | 0678 | 0678 | 0678 | 0678 | 0678 | 0678 | 0678 | 0678 | 0678 | 0678 | 0678 | 0678 | 0678 | 0678 | 0678 |          |
| 0 mg/L                        | 0           | 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                     | 0045        | 0043 | 0006 | 0008 | 0003 | 0001 | 0002 | 0006 | 0006 | 0006 | 0006 | 0006 | 0006 | 0006 | 0006 | 0006 | 0006 | 0006 | 0006 | 0006 | 0006 | 0006 | 0006 | 0006 | 0006 |          |
| Multiple Organ                | +           | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | 50       |
| Leukemia Mononuclear          |             |      |      |      |      | X    |      | X    | X    | X    |      |      |      |      |      |      | X    |      |      |      | X    | X    |      |      |      | 15       |
| Mesothelioma Malignant        |             |      |      | X    |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | 1        |

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 + .. Tissue examined microscopically  
 X .. Lesion present  
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**P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)**

Water disinfection byproducts (Bromodichloroacetic acid)

CAS Number: 71133-14-7

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Time Report Requested: 08:02:51

First Dose M/F: 10/26/06 / 10/27/06

Lab: BAT

| FISCHER 344-TACONIC RATS MALE | DAY ON TEST |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | males<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 |                    |
| 250 mg/L                      | 1           | 3 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |                    |
|                               | 1           | 0 | 0 | 1 | 2 | 3 | 3 | 5 | 9 | 9 | 0 | 0 | 0 | 2 | 3 | 3 | 4 | 6 | 7 | 8 | 8 | 8 | 8 |                    |
|                               | 7           | 9 | 9 | 6 | 6 | 0 | 3 | 8 | 5 | 7 | 3 | 7 | 9 | 9 | 5 | 8 | 4 | 7 | 4 | 0 | 5 | 7 | 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 | 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 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |                    |
|                               | 3           | 3 | 2 | 5 | 3 | 3 | 1 | 4 | 0 | 3 | 5 | 4 | 4 | 6 | 0 | 0 | 2 | 2 | 2 | 5 | 2 | 6 | 1 |                    |
|                               | 2           | 7 | 1 | 2 | 4 | 1 | 6 | 0 | 3 | 6 | 5 | 6 | 1 | 2 | 5 | 4 | 3 | 7 | 0 | 1 | 4 | 3 | 8 |                    |

**ALIMENTARY SYSTEM**

|                           |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|---------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Esophagus                 | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Large, Cecum    | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Large, Colon    | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Large, Rectum   | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Small, Duodenum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Small, Ileum    | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Small, Jejunum  | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Liver                     | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Hepatocellular Adenoma    |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Mesentery                 |   |   |   |   |   |   |   |   |   |   | + |   |   |   |   |   |   |   |   |   |   |   |   |
| Oral Mucosa               | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Pancreas                  | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Salivary Glands           | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Stomach, Forestomach      | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Stomach, Glandular        | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Tongue                    | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |

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

M .. Missing tissue  
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 Water disinfection byproducts (Bromodichloroacetic acid)  
 CAS Number: 71133-14-7

Date Report Requested: 03/05/2013  
 Time Report Requested: 08:02:51  
 First Dose M/F: 10/26/06 / 10/27/06  
 Lab: BAT

| FISCHER 344-TACONIC RATS MALE | DAY ON TEST      |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  | males<br>(cont...) |  |
|-------------------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|--------------------|--|
|                               | 0<br>1<br>1<br>7 | 0<br>3<br>0<br>9 | 0<br>5<br>0<br>9 | 0<br>5<br>1<br>6 | 0<br>5<br>2<br>6 | 0<br>5<br>3<br>0 | 0<br>5<br>3<br>3 | 0<br>5<br>5<br>8 | 0<br>5<br>9<br>5 | 0<br>5<br>9<br>7 | 0<br>6<br>0<br>3 | 0<br>6<br>0<br>7 | 0<br>6<br>0<br>9 | 0<br>6<br>2<br>9 | 0<br>6<br>3<br>5 | 0<br>6<br>3<br>8 | 0<br>6<br>4<br>4 | 0<br>6<br>6<br>7 | 0<br>6<br>6<br>4 | 0<br>6<br>8<br>0 | 0<br>6<br>8<br>5 | 0<br>6<br>8<br>7 | 0<br>6<br>8<br>8 | 0<br>6<br>9<br>1 | 0<br>6<br>9<br>4 |                    |  |
| 250 mg/L                      | 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                  |  |
|                               | 1                | 1                | 1                | 1                | 1                | 1                | 1                | 1                | 1                | 1                | 1                | 1                | 1                | 1                | 1                | 1                | 1                | 1                | 1                | 1                | 1                | 1                | 1                | 1                | 1                | 1                  |  |
|                               | 3                | 3                | 2                | 5                | 3                | 3                | 1                | 4                | 0                | 3                | 5                | 4                | 4                | 6                | 0                | 0                | 2                | 2                | 2                | 5                | 2                | 6                | 1                | 4                | 4                |                    |  |
|                               | 2                | 7                | 1                | 2                | 4                | 1                | 6                | 0                | 3                | 6                | 5                | 6                | 1                | 2                | 5                | 4                | 3                | 7                | 0                | 1                | 4                | 3                | 8                | 8                | 7                |                    |  |

**CARDIOVASCULAR SYSTEM**

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

**ENDOCRINE SYSTEM**

|   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Adrenal Cortex<br>Carcinoma                     | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Adrenal Medulla<br>Pheochromocytoma Benign      | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Pheochromocytoma Malignant                      |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Bilateral, Carcinoma, Metastatic, Thyroid Gland |   |   |   |   |   |   |   |   |   |   |   |   |   | X |   |   |   |   |   |   |   |   |   |   |   |
| Bilateral, Pheochromocytoma Benign              |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Islets, Pancreatic<br>Adenoma                   | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Parathyroid Gland                               | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Pituitary Gland<br>Pars Distalis, Adenoma       | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Pars Distalis, Carcinoma                        |   |   |   | X | X | X |   |   | X |   |   | X | X |   | X |   | X | X | X | X |   | X |   | X | X |
| Thyroid Gland<br>C-cell, Adenoma                | + | + | + | + | + | + | X | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| C-cell, Carcinoma                               |   |   |   |   |   |   |   |   |   |   |   | X |   |   |   |   |   |   |   |   |   |   | X |   |   |
| Follicular Cell, Adenoma                        |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |

**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

Experiment Number: 96014 - 05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F344/N Tac

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)  
 Water disinfection byproducts (Bromodichloroacetic acid)  
 CAS Number: 71133-14-7

Date Report Requested: 03/05/2013  
 Time Report Requested: 08:02:51  
 First Dose M/F: 10/26/06 / 10/27/06  
 Lab: BAT

| FISCHER 344-TACONIC RATS MALE | DAY ON TEST |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | males<br>(cont...) |   |
|-------------------------------|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--------------------|---|
|                               | 0           | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |                    | 0 |
| 250 mg/L                      | 1           | 3 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6                  | 6 |
|                               | 1           | 0 | 0 | 1 | 2 | 3 | 3 | 5 | 9 | 9 | 0 | 0 | 0 | 2 | 3 | 3 | 4 | 6 | 7 | 8 | 8                  | 8 |
|                               | 7           | 9 | 9 | 6 | 6 | 0 | 3 | 8 | 5 | 7 | 3 | 7 | 9 | 9 | 5 | 8 | 4 | 7 | 4 | 0 | 5                  | 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 | 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 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1                  | 1 |
|                               | 3           | 3 | 2 | 5 | 3 | 3 | 1 | 4 | 0 | 3 | 5 | 4 | 4 | 6 | 0 | 0 | 2 | 2 | 2 | 5 | 2                  | 6 |
|                               | 2           | 7 | 1 | 2 | 4 | 1 | 6 | 0 | 3 | 6 | 5 | 6 | 1 | 2 | 5 | 4 | 3 | 7 | 0 | 1 | 4                  | 3 |
|                               | 0           | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 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 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1                  | 1 |
|                               | 3           | 3 | 2 | 5 | 3 | 3 | 1 | 4 | 0 | 3 | 5 | 4 | 4 | 6 | 0 | 0 | 2 | 2 | 2 | 5 | 2                  | 6 |
|                               | 2           | 7 | 1 | 2 | 4 | 1 | 6 | 0 | 3 | 6 | 5 | 6 | 1 | 2 | 5 | 4 | 3 | 7 | 0 | 1 | 4                  | 3 |

NONE

**GENITAL SYSTEM**

|                                       |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|---------------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Epididymis                            | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Preputial Gland                       | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Adenoma                               |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Bilateral, Carcinoma                  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Prostate                              | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Adenoma                               |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Osteosarcoma                          |   |   |   | X |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Seminal Vesicle                       | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Testes                                | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Bilateral, Interstitial Cell, Adenoma |   |   |   |   | X |   |   |   |   |   | X |   |   |   |   |   | X |   |   | X |   | X |
| Interstitial Cell, Adenoma            |   |   |   |   |   |   |   |   |   |   |   |   |   |   | X |   |   |   | X |   |   | X |

**HEMATOPOIETIC SYSTEM**

|                        |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Bone Marrow            | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Lymph Node             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Lymph Node, Mandibular | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Lymph Node, Mesenteric | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Spleen                 | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |

\* .. 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



Experiment Number: 96014 - 05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F344/N Tac

**P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)**

Water disinfection byproducts (Bromodichloroacetic acid)

CAS Number: 71133-14-7

Date Report Requested: 03/05/2013

Time Report Requested: 08:02:51

First Dose M/F: 10/26/06 / 10/27/06

Lab: BAT

| FISCHER 344-TACONIC RATS MALE | DAY ON TEST |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | ANIMAL ID | males<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 |           |                    |
| 250 mg/L                      | 1           | 3 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 0         |                    |
|                               | 1           | 0 | 0 | 1 | 2 | 3 | 3 | 5 | 9 | 9 | 0 | 0 | 0 | 2 | 3 | 3 | 4 | 6 | 7 | 8 | 8 | 8 | 8 | 9 | 0         |                    |
|                               | 7           | 9 | 9 | 6 | 6 | 0 | 3 | 8 | 5 | 7 | 3 | 7 | 9 | 9 | 5 | 8 | 4 | 7 | 4 | 0 | 5 | 7 | 8 | 1 | 0         |                    |
|                               | 0           | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0         |                    |
|                               | 0           | 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 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0         |                    |
|                               | 3           | 3 | 2 | 5 | 3 | 3 | 1 | 4 | 0 | 3 | 5 | 4 | 4 | 6 | 0 | 0 | 2 | 2 | 2 | 5 | 2 | 6 | 1 | 4 | 0         |                    |
|                               | 2           | 7 | 1 | 2 | 4 | 1 | 6 | 0 | 3 | 6 | 5 | 6 | 1 | 2 | 5 | 4 | 3 | 7 | 0 | 1 | 4 | 3 | 8 | 8 | 0         |                    |

Thymus + + + + + + + + M + + + + M + + + M + + + + + + +

**INTEGUMENTARY SYSTEM**

Mammary Gland Fibroadenoma +

Skin  
 Keratoacanthoma +  
 Squamous Cell Carcinoma  
 Squamous Cell Papilloma  
 Sebaceous Gland, Adenoma X  
 Subcutaneous Tissue, Fibroma X  
 Subcutaneous Tissue, Fibroma, Multiple X  
 Subcutaneous Tissue, Schwannoma Malignant X

**MUSCULOSKELETAL SYSTEM**

Bone +

**NERVOUS SYSTEM**

Brain Glioma +  
 Peripheral Nerve +  
 Spinal Cord +

**RESPIRATORY SYSTEM**

Lung Alveolar/Bronchiolar 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

Experiment Number: 96014 - 05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F344/N Tac

**P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)**

Water disinfection byproducts (Bromodichloroacetic acid)

CAS Number: 71133-14-7

Date Report Requested: 03/05/2013

Time Report Requested: 08:02:51

First Dose M/F: 10/26/06 / 10/27/06

Lab: BAT

| FISCHER 344-TACONIC RATS MALE | DAY ON TEST |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | ANIMAL ID | males<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 |           |                    |
| 250 mg/L                      | 1           | 3 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 0         |                    |
|                               | 1           | 0 | 0 | 1 | 2 | 3 | 3 | 5 | 9 | 9 | 0 | 0 | 0 | 2 | 3 | 3 | 4 | 6 | 7 | 8 | 8 | 8 | 8 | 9 | 0         |                    |
|                               | 7           | 9 | 9 | 6 | 6 | 0 | 3 | 8 | 5 | 7 | 3 | 7 | 9 | 9 | 5 | 8 | 4 | 7 | 4 | 0 | 5 | 7 | 8 | 1 | 0         |                    |
|                               | 0           | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0         |                    |
|                               | 0           | 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 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0         |                    |
|                               | 3           | 3 | 2 | 5 | 3 | 3 | 1 | 4 | 0 | 3 | 5 | 4 | 4 | 6 | 0 | 0 | 2 | 2 | 2 | 5 | 2 | 6 | 1 | 4 | 0         |                    |
|                               | 2           | 7 | 1 | 2 | 4 | 1 | 6 | 0 | 3 | 6 | 5 | 6 | 1 | 2 | 5 | 4 | 3 | 7 | 0 | 1 | 4 | 3 | 8 | 8 | 0         |                    |

Carcinoma, Metastatic, Thyroid Gland

X

Nose

+ +

Trachea

+ +

**SPECIAL SENSES SYSTEM**

Eye

+ +

Harderian Gland  
Adenoma

+ +

Zymbal's Gland  
Carcinoma

+  
X

**URINARY SYSTEM**

Kidney

+ +

Urinary Bladder

+ +

**SYSTEMIC LESIONS**

Multiple Organ  
Leukemia Mononuclear  
Mesothelioma 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

Experiment Number: 96014 - 05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F344/N Tac

**P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)**  
 Water disinfection byproducts (Bromodichloroacetic acid)  
 CAS Number: 71133-14-7

Date Report Requested: 03/05/2013  
 Time Report Requested: 08:02:51  
 First Dose M/F: 10/26/06 / 10/27/06  
 Lab: BAT

| FISCHER 344-TACONIC RATS MALE | DAY ON TEST           |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | * TOTALS              |
|-------------------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
|                               | 0<br>7<br>0<br>2      | 0<br>7<br>0<br>6      | 0<br>7<br>1<br>9      | 0<br>7<br>2<br>2      | 0<br>7<br>2<br>6      | 0<br>7<br>2<br>6      | 0<br>7<br>2<br>6      | 0<br>7<br>2<br>6      | 0<br>7<br>2<br>6      | 0<br>7<br>2<br>6      | 0<br>7<br>2<br>6      | 0<br>7<br>2<br>6      | 0<br>7<br>2<br>6      | 0<br>7<br>2<br>6      | 0<br>7<br>2<br>6      | 0<br>7<br>2<br>6      | 0<br>7<br>2<br>6      | 0<br>7<br>2<br>6      | 0<br>7<br>2<br>6      | 0<br>7<br>2<br>6      | 0<br>7<br>2<br>6      | 0<br>7<br>2<br>6      | 0<br>7<br>2<br>6      | 0<br>7<br>2<br>6      |                       |
| 250 mg/L                      | 0<br>0<br>1<br>4<br>2 | 0<br>0<br>0<br>2<br>8 | 0<br>0<br>1<br>1<br>7 | 0<br>0<br>1<br>6<br>1 | 0<br>0<br>1<br>2<br>5 | 0<br>0<br>1<br>2<br>6 | 0<br>0<br>1<br>2<br>9 | 0<br>0<br>1<br>3<br>0 | 0<br>0<br>1<br>3<br>3 | 0<br>0<br>1<br>3<br>5 | 0<br>0<br>1<br>4<br>9 | 0<br>0<br>1<br>5<br>0 | 0<br>0<br>1<br>5<br>3 | 0<br>0<br>1<br>5<br>4 | 0<br>0<br>1<br>0<br>6 | 0<br>0<br>1<br>1<br>3 | 0<br>0<br>1<br>1<br>4 | 0<br>0<br>1<br>1<br>5 | 0<br>0<br>1<br>2<br>9 | 0<br>0<br>1<br>3<br>2 | 0<br>0<br>1<br>3<br>8 | 0<br>0<br>1<br>3<br>9 | 0<br>0<br>1<br>5<br>6 | 0<br>0<br>1<br>5<br>7 | 0<br>0<br>1<br>6<br>0 |

**ALIMENTARY SYSTEM**

|                           |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |
|---------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|
| Esophagus                 | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Intestine Large, Cecum    | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Intestine Large, Colon    | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Intestine Large, Rectum   | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Intestine Small, Duodenum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Intestine Small, Ileum    | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Intestine Small, Jejunum  | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Liver                     | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Hepatocellular Adenoma    |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1  |
| Mesentery                 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 4  |
| Oral Mucosa               | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Pancreas                  | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Salivary Glands           | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Stomach, Forestomach      | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Stomach, Glandular        | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Tongue                    | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |

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

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

Experiment Number: 96014 - 05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F344/N Tac

**P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)**  
 Water disinfection byproducts (Bromodichloroacetic acid)  
 CAS Number: 71133-14-7

Date Report Requested: 03/05/2013  
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 First Dose M/F: 10/26/06 / 10/27/06  
 Lab: BAT

| FISCHER 344-TACONIC RATS MALE | DAY ON TEST |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |  | * TOTALS |
|-------------------------------|-------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--|----------|
|                               | 0<br>7      | 0<br>7 | 0<br>7 | 0<br>7 | 0<br>7 | 0<br>7 | 0<br>7 | 0<br>7 | 0<br>7 | 0<br>7 | 0<br>7 | 0<br>7 | 0<br>7 | 0<br>7 | 0<br>7 | 0<br>7 | 0<br>7 | 0<br>7 | 0<br>7 | 0<br>7 | 0<br>7 | 0<br>7 | 0<br>7 |  |          |
| 250 mg/L                      | 0<br>2      | 0<br>6 | 0<br>9 | 0<br>2 | 0<br>6 | 0<br>6 | 0<br>6 | 0<br>6 | 0<br>6 | 0<br>6 | 0<br>6 | 0<br>6 | 0<br>6 | 0<br>6 | 0<br>6 | 0<br>7 | 0<br>7 | 0<br>7 | 0<br>7 | 0<br>7 | 0<br>7 | 0<br>7 | 0<br>7 |  |          |
|                               | 0<br>0      | 0<br>0 | 0<br>0 | 0<br>0 | 0<br>0 | 0<br>0 | 0<br>0 | 0<br>0 | 0<br>0 | 0<br>0 | 0<br>0 | 0<br>0 | 0<br>0 | 0<br>0 | 0<br>0 | 0<br>0 | 0<br>0 | 0<br>0 | 0<br>0 | 0<br>0 | 0<br>0 | 0<br>0 | 0<br>0 |  |          |
|                               | 1<br>4      | 1<br>2 | 1<br>1 | 1<br>6 | 1<br>2 | 1<br>2 | 1<br>2 | 1<br>3 | 1<br>3 | 1<br>3 | 1<br>4 | 1<br>5 | 1<br>5 | 1<br>5 | 1<br>0 | 1<br>6 | 1<br>3 | 1<br>4 | 1<br>5 | 1<br>9 | 1<br>2 | 1<br>3 | 1<br>3 |  |          |
|                               | 2<br>8      | 7      | 7      | 1      | 5      | 6      | 9      | 0      | 3      | 5      | 9      | 0      | 3      | 4      | 6      | 3      | 4      | 5      | 9      | 2      | 8      | 9      | 6      |  |          |

**CARDIOVASCULAR SYSTEM**

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

**ENDOCRINE SYSTEM**

|   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|
| Adrenal Cortex                                  | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Carcinoma                                       |   |   |   |   |   |   |   |   | X |   |   |   |   |   |   |   |   |   |   |   |   |   | 1  |
| Adrenal Medulla                                 | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Pheochromocytoma Benign                         |   |   |   | X |   |   | X |   |   |   | X |   |   |   |   |   |   |   |   |   | X | X | 7  |
| Pheochromocytoma Malignant                      |   |   |   |   |   |   |   |   |   |   |   |   |   | X |   |   |   |   |   |   |   |   | 1  |
| Bilateral, Carcinoma, Metastatic, Thyroid Gland |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1  |
| Bilateral, Pheochromocytoma Benign              |   |   |   |   |   |   |   |   |   | X |   |   |   |   |   |   |   |   |   |   |   |   | 1  |
| Islets, Pancreatic                              | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Adenoma   |   |   | X |   |   |   |   |   |   |   | X |   |   |   | X |   |   |   |   |   |   |   | 3  |
| Parathyroid Gland                               | + | + | + | M | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 |
| Pituitary Gland                                 | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49 |
| Pars Distalis, Adenoma                          | X | X |   | X | X |   | X | X |   | X | X | X |   |   |   | X | X |   | X |   | X | X | 29 |
| Pars Distalis, Carcinoma                        |   |   |   |   |   | X |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1  |
| Thyroid Gland                                   | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| C-cell, Adenoma                                 |   |   |   |   |   |   |   |   | X | X |   | X |   |   |   | X |   |   |   |   | X | X | 9  |
| C-cell, Carcinoma                               |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1  |
| Follicular Cell, Adenoma                        | X |   |   |   |   |   |   | X |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 3  |

**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

Experiment Number: 96014 - 05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F344/N Tac

**P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)**

Water disinfection byproducts (Bromodichloroacetic acid)

CAS Number: 71133-14-7

Date Report Requested: 03/05/2013

Time Report Requested: 08:02:51

First Dose M/F: 10/26/06 / 10/27/06

Lab: BAT

| FISCHER 344-TACONIC RATS MALE<br>250 mg/L | DAY ON TEST |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |  | * TOTALS |
|---|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|--|----------|
|   | 0<br>7      | 0<br>7      | 0<br>7      | 0<br>7      | 0<br>7      | 0<br>7      | 0<br>7      | 0<br>7      | 0<br>7      | 0<br>7      | 0<br>7      | 0<br>7      | 0<br>7      | 0<br>7      | 0<br>7      | 0<br>7      | 0<br>7      | 0<br>7      | 0<br>7      | 0<br>7      | 0<br>7      | 0<br>7      | 0<br>7      |  |          |
| ANIMAL ID                                 | 0<br>0      | 0<br>0      | 0<br>0      | 0<br>0      | 0<br>0      | 0<br>0      | 0<br>0      | 0<br>0      | 0<br>0      | 0<br>0      | 0<br>0      | 0<br>0      | 0<br>0      | 0<br>0      | 0<br>0      | 0<br>0      | 0<br>0      | 0<br>0      | 0<br>0      | 0<br>0      | 0<br>0      | 0<br>0      | 0<br>0      |  |          |
|   | 1<br>4<br>2 | 1<br>2<br>8 | 1<br>1<br>7 | 1<br>6<br>1 | 1<br>2<br>5 | 1<br>2<br>6 | 1<br>2<br>6 | 1<br>2<br>6 | 1<br>2<br>6 | 1<br>3<br>0 | 1<br>3<br>3 | 1<br>3<br>3 | 1<br>4<br>5 | 1<br>5<br>5 | 1<br>5<br>5 | 1<br>0<br>4 | 1<br>1<br>6 | 1<br>1<br>3 | 1<br>1<br>4 | 1<br>1<br>5 | 1<br>2<br>9 | 1<br>3<br>2 | 1<br>5<br>8 |  |          |

NONE

**GENITAL SYSTEM**

|                                       |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |
|---------------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|
| Epididymis                            | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Preputial Gland                       | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Adenoma                               |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1  |
| Bilateral, Carcinoma                  |   |   |   |   |   |   |   |   |   |   |   |   | X |   |   |   |   |   |   |   |   |   |   | 1  |
| Prostate                              | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Adenoma                               |   |   |   |   |   |   |   |   |   |   | X |   |   |   |   |   |   |   |   |   |   |   |   | 1  |
| Osteosarcoma                          |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1  |
| Seminal Vesicle                       | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Testes                                | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Bilateral, Interstitial Cell, Adenoma |   | X | X | X | X |   | X | X | X |   |   | X | X | X |   | X | X | X | X |   | X |   |   | 20 |
| Interstitial Cell, Adenoma            |   |   |   |   |   |   |   |   |   | X | X |   |   |   | X | X |   |   |   |   |   | X | X | 11 |

**HEMATOPOIETIC SYSTEM**

|                        |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |
|------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|
| Bone Marrow            | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Lymph Node             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 2  |
| Lymph Node, Mandibular | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Lymph Node, Mesenteric | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Spleen                 | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |

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

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

Experiment Number: 96014 - 05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F344/N Tac

**P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)**  
 Water disinfection byproducts (Bromodichloroacetic acid)  
 CAS Number: 71133-14-7

Date Report Requested: 03/05/2013  
 Time Report Requested: 08:02:51  
 First Dose M/F: 10/26/06 / 10/27/06  
 Lab: BAT

| FISCHER 344-TACONIC RATS MALE<br>250 mg/L | DAY ON TEST           |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | * TOTALS              |  |
|---|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|--|
|   | 0<br>7<br>0<br>2      | 0<br>7<br>0<br>6      | 0<br>7<br>1<br>9      | 0<br>7<br>2<br>2      | 0<br>7<br>2<br>6      | 0<br>7<br>2<br>6      | 0<br>7<br>2<br>6      | 0<br>7<br>2<br>6      | 0<br>7<br>2<br>6      | 0<br>7<br>2<br>6      | 0<br>7<br>2<br>6      | 0<br>7<br>2<br>6      | 0<br>7<br>2<br>6      | 0<br>7<br>2<br>6      | 0<br>7<br>2<br>6      | 0<br>7<br>2<br>6      | 0<br>7<br>2<br>6      | 0<br>7<br>2<br>6      | 0<br>7<br>2<br>6      | 0<br>7<br>2<br>6      | 0<br>7<br>2<br>6      | 0<br>7<br>2<br>6      | 0<br>7<br>2<br>6      |                       |                       |  |
| ANIMAL ID                                 | 0<br>0<br>1<br>4<br>2 | 0<br>0<br>1<br>2<br>8 | 0<br>0<br>1<br>1<br>7 | 0<br>0<br>1<br>6<br>1 | 0<br>0<br>1<br>2<br>5 | 0<br>0<br>1<br>2<br>6 | 0<br>0<br>1<br>2<br>9 | 0<br>0<br>1<br>3<br>0 | 0<br>0<br>1<br>3<br>3 | 0<br>0<br>1<br>3<br>5 | 0<br>0<br>1<br>4<br>9 | 0<br>0<br>1<br>5<br>0 | 0<br>0<br>1<br>5<br>3 | 0<br>0<br>1<br>5<br>4 | 0<br>0<br>1<br>5<br>6 | 0<br>0<br>1<br>0<br>3 | 0<br>0<br>1<br>1<br>4 | 0<br>0<br>1<br>1<br>5 | 0<br>0<br>1<br>1<br>9 | 0<br>0<br>1<br>2<br>2 | 0<br>0<br>1<br>3<br>8 | 0<br>0<br>1<br>3<br>9 | 0<br>0<br>1<br>5<br>6 | 0<br>0<br>1<br>5<br>7 | 0<br>0<br>1<br>6<br>0 |  |
| Thymus                                    | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | 47                    |  |
| <b>INTEGUMENTARY SYSTEM</b>               |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |  |
| Mammary Gland                             | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | 50                    |  |
| Fibroadenoma                              |                       |                       |                       | X                     |                       |                       |                       |                       |                       |                       |                       | X                     |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | 2                     |  |
| Skin                                      | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | 50                    |  |
| Keratoacanthoma                           |                       | X                     |                       |                       |                       |                       |                       |                       |                       | X                     |                       | X                     |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | 3                     |  |
| Squamous Cell Carcinoma                   |                       |                       | X                     |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | 1                     |  |
| Squamous Cell Papilloma                   |                       |                       |                       |                       |                       |                       | X                     |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | 1                     |  |
| Sebaceous Gland, Adenoma                  |                       |                       |                       |                       |                       |                       |                       | X                     |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | 2                     |  |
| Subcutaneous Tissue, Fibroma              |                       |                       | X                     |                       |                       |                       |                       |                       |                       | X                     |                       |                       |                       |                       |                       |                       |                       | X                     |                       |                       |                       |                       |                       |                       | 5                     |  |
| Subcutaneous Tissue, Fibroma, Multiple    |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | X                     |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | 1                     |  |
| Subcutaneous Tissue, Schwannoma Malignant |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | 1                     |  |
| <b>MUSCULOSKELETAL SYSTEM</b>             |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |  |
| Bone                                      | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | 50                    |  |
| <b>NERVOUS SYSTEM</b>                     |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |  |
| Brain                                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | 50                    |  |
| Glioma                                    |                       |                       |                       |                       |                       |                       | X                     |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | 1                     |  |
| Peripheral Nerve                          |                       |                       | +                     |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | 2                     |  |
| Spinal Cord                               |                       |                       | +                     |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | 2                     |  |
| <b>RESPIRATORY SYSTEM</b>                 |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |  |
| Lung                                      | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | 50                    |  |
| Alveolar/Bronchiolar Adenoma              |                       |                       |                       |                       |                       |                       |                       |                       |                       | X                     | X                     |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | 2                     |  |

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

M .. Missing tissue  
 A .. Autolysis precludes evaluation  
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Experiment Number: 96014 - 05  
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| FISCHER 344-TACONIC RATS MALE<br>250 mg/L                        | DAY ON TEST           |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | * TOTALS |
|--|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|----------|
|  | 0<br>7<br>0<br>2      | 0<br>7<br>0<br>6      | 0<br>7<br>1<br>6      | 0<br>7<br>1<br>2      | 0<br>7<br>2<br>6      | 0<br>7<br>2<br>6      | 0<br>7<br>2<br>6      | 0<br>7<br>2<br>6      | 0<br>7<br>2<br>6      | 0<br>7<br>2<br>6      | 0<br>7<br>2<br>6      | 0<br>7<br>2<br>6      | 0<br>7<br>2<br>6      | 0<br>7<br>2<br>6      | 0<br>7<br>2<br>6      | 0<br>7<br>2<br>6      | 0<br>7<br>2<br>6      | 0<br>7<br>2<br>6      | 0<br>7<br>2<br>6      | 0<br>7<br>2<br>6      | 0<br>7<br>2<br>6      | 0<br>7<br>2<br>6      | 0<br>7<br>2<br>6      |                       |          |
| ANIMAL ID  | 0<br>0<br>1<br>4<br>2 | 0<br>0<br>1<br>2<br>8 | 0<br>0<br>1<br>1<br>7 | 0<br>0<br>1<br>6<br>1 | 0<br>0<br>1<br>2<br>5 | 0<br>0<br>1<br>2<br>6 | 0<br>0<br>1<br>2<br>9 | 0<br>0<br>1<br>3<br>0 | 0<br>0<br>1<br>3<br>3 | 0<br>0<br>1<br>3<br>5 | 0<br>0<br>1<br>4<br>9 | 0<br>0<br>1<br>5<br>0 | 0<br>0<br>1<br>5<br>3 | 0<br>0<br>1<br>5<br>4 | 0<br>0<br>1<br>0<br>6 | 0<br>0<br>1<br>1<br>3 | 0<br>0<br>1<br>1<br>4 | 0<br>0<br>1<br>1<br>5 | 0<br>0<br>1<br>1<br>9 | 0<br>0<br>1<br>2<br>2 | 0<br>0<br>1<br>3<br>8 | 0<br>0<br>1<br>3<br>9 | 0<br>0<br>1<br>5<br>6 | 0<br>0<br>1<br>5<br>7 |          |
| Carcinoma, Metastatic, Thyroid Gland                             |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | 1                     |          |
| Nose   | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | 50                    |          |
| Trachea  | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | 50                    |          |
| <b>SPECIAL SENSES SYSTEM</b>                                     |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |          |
| Eye  | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | 50                    |          |
| Harderian Gland<br>Adenoma                                       | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | 50<br>1               |          |
| Zymbal's Gland<br>Carcinoma                                      |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | 2<br>2                |          |
| <b>URINARY SYSTEM</b>  |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |          |
| Kidney   | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | 50                    |          |
| Urinary Bladder  | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | 50                    |          |
| <b>SYSTEMIC LESIONS</b>  |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |          |
| Multiple Organ<br>Leukemia Mononuclear<br>Mesothelioma Malignant | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | 50<br>11<br>12        |          |

\* .. 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

Experiment Number: 96014 - 05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F344/N Tac

**P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)**  
 Water disinfection byproducts (Bromodichloroacetic acid)  
 CAS Number: 71133-14-7

Date Report Requested: 03/05/2013  
 Time Report Requested: 08:02:51  
 First Dose M/F: 10/26/06 / 10/27/06  
 Lab: BAT

| FISCHER 344-TACONIC RATS MALE<br>500 mg/L | DAY ON TEST |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     | males<br>(cont...) |
|---|-------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|--------------------|
|   | 042         | 044 | 045 | 049 | 051 | 055 | 057 | 060 | 066 | 068 | 069 | 069 | 069 | 069 | 069 | 069 | 069 | 069 | 069 | 069 | 069 | 069 | 069 | 069 |                    |
| ANIMAL ID                                 | 000         | 000 | 000 | 000 | 000 | 000 | 000 | 000 | 000 | 000 | 000 | 000 | 000 | 000 | 000 | 000 | 000 | 000 | 000 | 000 | 000 | 000 | 000 | 000 |                    |
|   | 2           | 2   | 2   | 2   | 2   | 2   | 2   | 2   | 2   | 2   | 2   | 2   | 2   | 2   | 2   | 2   | 2   | 2   | 2   | 2   | 2   | 2   | 2   | 2   |                    |
|   | 4           | 3   | 3   | 5   | 5   | 0   | 3   | 4   | 0   | 2   | 0   | 2   | 4   | 3   | 2   | 5   | 6   | 3   | 3   | 4   | 4   | 1   | 2   | 4   |                    |
|   | 6           | 3   | 9   | 3   | 7   | 8   | 6   | 7   | 5   | 4   | 1   | 2   | 0   | 1   | 9   | 5   | 3   | 0   | 2   | 5   | 8   | 2   | 3   | 4   |                    |

**ALIMENTARY SYSTEM**

|   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Esophagus   | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Large, Cecum Adenoma                        | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + |
| Intestine Large, Colon Adenoma                        | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Large, Rectum                               | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Small, Duodenum                             | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Small, Ileum                                | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Small, Jejunum                              | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + |
| Liver<br>Cholangiocarcinoma<br>Hepatocellular Adenoma | + | + | + | + | + | + | + | + | + | + | X | + | + | + | + | + | + | + | + | + | + | + | + |
| Mesentery   |   |   |   |   |   |   |   |   | + |   |   | + | + |   |   |   | + |   | + |   |   |   | + |
| Oral Mucosa<br>Squamous Cell Papilloma                | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Pancreas<br>Acinus, Adenoma                           | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + |
| Salivary Glands                                       | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Stomach, Forestomach                                  | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |

\* .. 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



Experiment Number: 96014 - 05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F344/N Tac

**P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)**  
 Water disinfection byproducts (Bromodichloroacetic acid)  
 CAS Number: 71133-14-7

Date Report Requested: 03/05/2013  
 Time Report Requested: 08:02:51  
 First Dose M/F: 10/26/06 / 10/27/06  
 Lab: BAT

| FISCHER 344-TACONIC RATS MALE<br>500 mg/L | DAY ON TEST      |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                       | ANIMAL ID | males<br>(cont...) |
|---|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|-----------------------|-----------|--------------------|
|   | 0<br>4<br>4<br>2 | 0<br>4<br>5<br>3 | 0<br>4<br>9<br>3 | 0<br>5<br>1<br>3 | 0<br>5<br>8<br>5 | 0<br>5<br>8<br>7 | 0<br>5<br>8<br>7 | 0<br>6<br>0<br>5 | 0<br>6<br>1<br>1 | 0<br>6<br>1<br>8 | 0<br>6<br>2<br>1 | 0<br>6<br>3<br>5 | 0<br>6<br>4<br>6 | 0<br>6<br>5<br>7 | 0<br>6<br>6<br>7 | 0<br>6<br>7<br>4 | 0<br>6<br>8<br>5 | 0<br>6<br>8<br>8 | 0<br>6<br>9<br>9 | 0<br>7<br>0<br>2 | 0<br>7<br>0<br>2 | 0<br>7<br>1<br>2 | 0<br>7<br>2<br>4 |                       |           |                    |
|   | 0                | 0                | 0                | 0                | 0                | 0                | 0                | 0                | 0                | 0                | 0                | 0                | 0                | 0                | 0                | 0                | 0                | 0                | 0                | 0                | 0                | 0                | 0                | 0<br>0<br>2<br>4<br>6 |           |                    |

Squamous Cell Papilloma

X

Stomach, Glandular

+ +

Tongue

+ +

Squamous Cell Carcinoma

X

**CARDIOVASCULAR SYSTEM**

Blood Vessel

+ +

Heart

+ +

**ENDOCRINE SYSTEM**

Adrenal Cortex

+ +

Adenoma

X

X

Adrenal Medulla

+ +

Pheochromocytoma Benign

X

X

X

Pheochromocytoma Malignant

X

Bilateral, Pheochromocytoma Benign

X

Islets, Pancreatic

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

Adenoma

Parathyroid Gland

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

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

Thyroid Gland

+ +

Bilateral, C-cell, Adenoma

X

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

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

Experiment Number: 96014 - 05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F344/N Tac

**P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)**  
 Water disinfection byproducts (Bromodichloroacetic acid)  
 CAS Number: 71133-14-7

Date Report Requested: 03/05/2013  
 Time Report Requested: 08:02:51  
 First Dose M/F: 10/26/06 / 10/27/06  
 Lab: BAT

| FISCHER 344-TACONIC RATS MALE | DAY ON TEST           |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | males<br>(cont...) |
|-------------------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|--------------------|
|                               | 0<br>4<br>4<br>2      | 0<br>4<br>5<br>3      | 0<br>4<br>9<br>3      | 0<br>5<br>1<br>3      | 0<br>5<br>8<br>5      | 0<br>5<br>8<br>7      | 0<br>5<br>8<br>7      | 0<br>6<br>8<br>5      | 0<br>6<br>1<br>1      | 0<br>6<br>1<br>8      | 0<br>6<br>2<br>1      | 0<br>6<br>3<br>5      | 0<br>6<br>4<br>6      | 0<br>6<br>5<br>7      | 0<br>6<br>6<br>4      | 0<br>6<br>7<br>4      | 0<br>6<br>8<br>5      | 0<br>6<br>8<br>8      | 0<br>6<br>8<br>9      | 0<br>7<br>0<br>2      | 0<br>7<br>0<br>2      | 0<br>7<br>1<br>2      | 0<br>7<br>2<br>4      |                       |                    |
| 500 mg/L                      | 0<br>0<br>2<br>4<br>6 | 0<br>0<br>0<br>3<br>3 | 0<br>0<br>0<br>3<br>9 | 0<br>0<br>0<br>5<br>3 | 0<br>0<br>0<br>5<br>7 | 0<br>0<br>0<br>0<br>8 | 0<br>0<br>0<br>3<br>6 | 0<br>0<br>0<br>4<br>7 | 0<br>0<br>0<br>0<br>5 | 0<br>0<br>0<br>2<br>4 | 0<br>0<br>0<br>0<br>1 | 0<br>0<br>0<br>2<br>2 | 0<br>0<br>0<br>2<br>0 | 0<br>0<br>0<br>2<br>1 | 0<br>0<br>0<br>2<br>9 | 0<br>0<br>0<br>5<br>5 | 0<br>0<br>0<br>6<br>3 | 0<br>0<br>0<br>3<br>0 | 0<br>0<br>0<br>4<br>5 | 0<br>0<br>0<br>4<br>8 | 0<br>0<br>0<br>1<br>2 | 0<br>0<br>0<br>2<br>4 | 0<br>0<br>0<br>4<br>4 | 0<br>0<br>0<br>5<br>4 |                    |

C-cell, Adenoma

X

X

X

**GENERAL BODY SYSTEM**

NONE

**GENITAL SYSTEM**

|                                       |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|---------------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Epididymis                            | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Preputial Gland<br>Adenoma            | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
|                                       | X |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | X |   | X |
| Prostate                              | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Seminal Vesicle                       | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Testes                                | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Bilateral, Interstitial Cell, Adenoma |   |   |   | X | X |   |   |   |   |   |   |   |   |   |   |   | X |   |   |   |   | X |   | X |
| Interstitial Cell, Adenoma            |   |   |   |   |   |   | X |   |   | X | X |   |   |   | X |   | X |   |   | X |   |   |   |   |

**HEMATOPOIETIC SYSTEM**

|                                      |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|--------------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Bone Marrow                          | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Lymph Node<br>Renal, Hemangiosarcoma |   |   |   |   |   |   |   |   |   |   |   |   |   |   | + | + |   |   |   |   | + | + |   |   |
| Lymph Node, Mandibular               | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Lymph Node, Mesenteric               | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Spleen                               | + | + | + | + | + | + | + | + | + | + | 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

Experiment Number: 96014 - 05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F344/N Tac

**P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)**  
 Water disinfection byproducts (Bromodichloroacetic acid)  
 CAS Number: 71133-14-7

Date Report Requested: 03/05/2013  
 Time Report Requested: 08:02:51  
 First Dose M/F: 10/26/06 / 10/27/06  
 Lab: BAT

| FISCHER 344-TACONIC RATS MALE | DAY ON TEST      |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  | males<br>(cont...) |
|-------------------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|--------------------|
|                               | 0<br>4<br>4<br>2 | 0<br>4<br>5<br>3 | 0<br>4<br>9<br>3 | 0<br>5<br>1<br>3 | 0<br>5<br>8<br>5 | 0<br>5<br>8<br>7 | 0<br>5<br>8<br>7 | 0<br>6<br>0<br>5 | 0<br>6<br>1<br>1 | 0<br>6<br>1<br>8 | 0<br>6<br>2<br>1 | 0<br>6<br>3<br>5 | 0<br>6<br>4<br>6 | 0<br>6<br>5<br>7 | 0<br>6<br>6<br>7 | 0<br>6<br>7<br>4 | 0<br>6<br>8<br>5 | 0<br>6<br>8<br>8 | 0<br>6<br>8<br>9 | 0<br>6<br>9<br>2 | 0<br>7<br>0<br>2 | 0<br>7<br>0<br>2 | 0<br>7<br>1<br>2 | 0<br>7<br>2<br>4 |                    |
| 500 mg/L                      | 0                | 0                | 0                | 0                | 0                | 0                | 0                | 0                | 0                | 0                | 0                | 0                | 0                | 0                | 0                | 0                | 0                | 0                | 0                | 0                | 0                | 0                | 0                | 0                |                    |
| ANIMAL ID                     | 0                | 0                | 0                | 0                | 0                | 0                | 0                | 0                | 0                | 0                | 0                | 0                | 0                | 0                | 0                | 0                | 0                | 0                | 0                | 0                | 0                | 0                | 0                | 0                |                    |
|                               | 2                | 2                | 2                | 2                | 2                | 2                | 2                | 2                | 2                | 2                | 2                | 2                | 2                | 2                | 2                | 2                | 2                | 2                | 2                | 2                | 2                | 2                | 2                | 2                |                    |
|                               | 4                | 3                | 3                | 5                | 5                | 0                | 3                | 4                | 0                | 2                | 0                | 2                | 4                | 3                | 2                | 5                | 6                | 3                | 3                | 4                | 4                | 1                | 2                | 4                |                    |
|                               | 6                | 3                | 9                | 3                | 7                | 8                | 6                | 7                | 5                | 4                | 1                | 2                | 0                | 1                | 9                | 5                | 3                | 0                | 2                | 5                | 8                | 2                | 4                | 4                |                    |

Hemangiosarcoma

Thymus + + + + + + + M + + + + + + + M + + + + + + + +

**INTEGUMENTARY SYSTEM**

Mammary Gland + + + + + + + M + + + + + + + + + + + + + +  
 Fibroadenoma X

Skin +  
 Basal Cell Adenoma X X X X  
 Keratoacanthoma X X X X  
 Squamous Cell Carcinoma X X X X  
 Sebaceous Gland, Adenoma X X X X  
 Subcutaneous Tissue, Fibroma X X X X  
 Subcutaneous Tissue, Fibrosarcoma X X X X  
 Subcutaneous Tissue, Lipoma X X X X

**MUSCULOSKELETAL SYSTEM**

Bone +  
 Skeletal Muscle Fibroma +

**NERVOUS SYSTEM**

Brain +  
 Glioma X X X X  
 Oligodendroglioma Nos X X X X

**RESPIRATORY SYSTEM**

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

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Experiment Number: 96014 - 05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
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**P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)**

Water disinfection byproducts (Bromodichloroacetic acid)

CAS Number: 71133-14-7

Date Report Requested: 03/05/2013

Time Report Requested: 08:02:51

First Dose M/F: 10/26/06 / 10/27/06

Lab: BAT

| FISCHER 344-TACONIC RATS MALE<br>500 mg/L                        | DAY ON TEST           |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |  | males<br>(cont...) |
|--|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|--|--------------------|
|  | 0<br>4<br>4<br>2      | 0<br>4<br>5<br>3      | 0<br>4<br>9<br>3      | 0<br>5<br>1<br>3      | 0<br>5<br>8<br>5      | 0<br>5<br>8<br>7      | 0<br>5<br>8<br>7      | 0<br>6<br>0<br>5      | 0<br>6<br>1<br>8      | 0<br>6<br>1<br>5      | 0<br>6<br>2<br>6      | 0<br>6<br>3<br>4      | 0<br>6<br>4<br>5      | 0<br>6<br>6<br>7      | 0<br>6<br>7<br>4      | 0<br>6<br>7<br>4      | 0<br>6<br>8<br>5      | 0<br>6<br>8<br>8      | 0<br>6<br>8<br>9      | 0<br>7<br>0<br>2      | 0<br>7<br>0<br>2      | 0<br>7<br>1<br>2      | 0<br>7<br>2<br>4      |  |                    |
| ANIMAL ID  | 0<br>0<br>2<br>4<br>6 | 0<br>0<br>2<br>3<br>3 | 0<br>0<br>2<br>3<br>9 | 0<br>0<br>2<br>5<br>3 | 0<br>0<br>2<br>5<br>7 | 0<br>0<br>2<br>0<br>8 | 0<br>0<br>2<br>3<br>6 | 0<br>0<br>2<br>4<br>7 | 0<br>0<br>2<br>0<br>5 | 0<br>0<br>2<br>2<br>4 | 0<br>0<br>2<br>0<br>1 | 0<br>0<br>2<br>2<br>2 | 0<br>0<br>2<br>4<br>0 | 0<br>0<br>2<br>3<br>1 | 0<br>0<br>2<br>5<br>9 | 0<br>0<br>2<br>6<br>5 | 0<br>0<br>2<br>3<br>3 | 0<br>0<br>2<br>4<br>5 | 0<br>0<br>2<br>4<br>8 | 0<br>0<br>2<br>4<br>2 | 0<br>0<br>2<br>1<br>3 | 0<br>0<br>2<br>2<br>4 | 0<br>0<br>2<br>4<br>4 |  |                    |
| Lung<br>Carcinoma, Metastatic, Harderian Gland                   | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     |  |                    |
| Nose   | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     |  |                    |
| Trachea  | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     |  |                    |
| <b>SPECIAL SENSES SYSTEM</b>                                     |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |  |                    |
| Eye  | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     |  |                    |
| Harderian Gland<br>Carcinoma                                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     |  |                    |
| <b>URINARY SYSTEM</b>  |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |  |                    |
| Kidney<br>Mesenchymal Tumor Malignant<br>Renal Tubule, Adenoma   | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | X                     |  |                    |
| Urinary Bladder  | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | X                     |  |                    |
| <b>SYSTEMIC LESIONS</b>  |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |  |                    |
| Multiple Organ<br>Leukemia Mononuclear<br>Mesothelioma Malignant | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     |  |                    |
|  | X                     |                       |                       |                       |                       | X                     |                       |                       | X                     | X                     | X                     |                       | X                     |                       | X                     |                       | X                     | X                     | X                     | X                     |                       | X                     |                       |  |                    |

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

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

Experiment Number: 96014 - 05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F344/N Tac

**P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)**  
 Water disinfection byproducts (Bromodichloroacetic acid)  
 CAS Number: 71133-14-7

Date Report Requested: 03/05/2013  
 Time Report Requested: 08:02:51  
 First Dose M/F: 10/26/06 / 10/27/06  
 Lab: BAT

| FISCHER 344-TACONIC RATS MALE | DAY ON TEST |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  | * TOTALS |
|-------------------------------|-------------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|--|----------|
|                               | 07          | 07 | 07 | 07 | 07 | 07 | 07 | 07 | 07 | 07 | 07 | 07 | 07 | 07 | 07 | 07 | 07 | 07 | 07 | 07 | 07 | 07 | 07 |  |          |
| 500 mg/L                      | 26          | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 |  |          |
|                               | 00          | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 |  |          |
|                               | 20          | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 |  |          |
|                               | 00          | 00 | 00 | 04 | 04 | 05 | 05 | 06 | 06 | 06 | 06 | 00 | 00 | 01 | 01 | 01 | 01 | 01 | 02 | 03 | 03 | 04 | 04 |  |          |
|                               | 22          | 23 | 27 | 29 | 31 | 32 | 32 | 36 | 36 | 36 | 36 | 34 | 35 | 36 | 33 | 34 | 35 | 36 | 37 | 38 | 38 | 37 | 38 |  |          |

**ALIMENTARY SYSTEM**

|   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |              |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--------------|
| Esophagus   | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50           |
| Intestine Large, Cecum Adenoma                        | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49<br>1      |
| Intestine Large, Colon Adenoma                        | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50<br>1      |
| Intestine Large, Rectum                               | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50           |
| Intestine Small, Duodenum                             | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49           |
| Intestine Small, Ileum                                | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49           |
| Intestine Small, Jejunum                              | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49           |
| Liver<br>Cholangiocarcinoma<br>Hepatocellular Adenoma | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50<br>1<br>2 |
| Mesentery   |   |   |   |   |   |   |   | + | + |   |   |   |   |   |   |   |   |   |   | + |   |   |   | 9            |
| Oral Mucosa<br>Squamous Cell Papilloma                | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50<br>2      |
| Pancreas<br>Acinus, Adenoma                           | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49<br>2      |
| Salivary Glands                                       | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50           |
| Stomach, Forestomach                                  | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50           |

\* .. 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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 Lab: BAT

| FISCHER 344-TACONIC RATS MALE<br>500 mg/L  | DAY ON TEST          |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      | * TOTALS |
|--|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------|
|  | 07<br>26             | 07<br>26             | 07<br>26             | 07<br>26             | 07<br>26             | 07<br>26             | 07<br>26             | 07<br>26             | 07<br>26             | 07<br>26             | 07<br>26             | 07<br>26             | 07<br>26             | 07<br>26             | 07<br>26             | 07<br>26             | 07<br>26             | 07<br>26             | 07<br>26             | 07<br>26             | 07<br>26             | 07<br>26             | 07<br>26             |                      |          |
| ANIMAL ID  | 00<br>20<br>00<br>22 | 00<br>00<br>00<br>22 | 00<br>00<br>00<br>22 | 00<br>00<br>00<br>22 | 00<br>00<br>00<br>22 | 00<br>00<br>00<br>22 | 00<br>00<br>00<br>22 | 00<br>00<br>00<br>22 | 00<br>00<br>00<br>22 | 00<br>00<br>00<br>22 | 00<br>00<br>00<br>22 | 00<br>00<br>00<br>22 | 00<br>00<br>00<br>22 | 00<br>00<br>00<br>22 | 00<br>00<br>00<br>22 | 00<br>00<br>00<br>22 | 00<br>00<br>00<br>22 | 00<br>00<br>00<br>22 | 00<br>00<br>00<br>22 | 00<br>00<br>00<br>22 | 00<br>00<br>00<br>22 | 00<br>00<br>00<br>22 | 00<br>00<br>00<br>22 | 00<br>00<br>00<br>22 |          |
| Squamous Cell Papilloma  |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      | 1                    |          |
| Stomach, Glandular   | +                    | +                    | +                    | +                    | +                    | +                    | +                    | +                    | +                    | +                    | +                    | +                    | +                    | +                    | +                    | +                    | +                    | +                    | +                    | +                    | +                    | +                    | +                    | 50                   |          |
| Tongue<br>Squamous Cell Carcinoma  | +                    | +                    | +                    | +                    | +                    | +                    | +                    | +                    | +                    | +                    | +                    | +                    | +                    | +                    | +                    | +                    | +                    | +                    | +                    | +                    | +                    | +                    | +                    | 50<br>1              |          |
| <b>CARDIOVASCULAR SYSTEM</b>   |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |          |
| Blood Vessel   | +                    | +                    | +                    | +                    | +                    | +                    | +                    | +                    | +                    | +                    | +                    | +                    | +                    | +                    | +                    | +                    | +                    | +                    | +                    | +                    | +                    | +                    | +                    | 50                   |          |
| Heart  | +                    | +                    | +                    | +                    | +                    | +                    | +                    | +                    | +                    | +                    | +                    | +                    | +                    | +                    | +                    | +                    | +                    | +                    | +                    | +                    | +                    | +                    | +                    | 50                   |          |
| <b>ENDOCRINE SYSTEM</b>  |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |          |
| Adrenal Cortex<br>Adenoma  | +                    | +                    | +                    | +                    | +                    |                      | +                    | +                    | +                    | +                    | +                    | +                    | +                    | +                    | +                    | +                    | +                    | +                    | +                    | +                    | +                    | +                    | 50<br>4              |                      |          |
| Adrenal Medulla<br>Pheochromocytoma Benign<br>Pheochromocytoma Malignant<br>Bilateral, Pheochromocytoma Benign | +                    | +                    | +                    | +                    | +                    | X                    | +                    | +                    | +                    | +                    | +                    | +                    | +                    | +                    | +                    | +                    | +                    | +                    | +                    | +                    | +                    | +                    | 50<br>8<br>2<br>1    |                      |          |
| Islets, Pancreatic<br>Adenoma  | +                    | +                    | +                    | +                    | +                    | +                    | +                    | +                    | +                    | +                    | +                    | +                    | +                    | +                    | +                    | +                    | +                    | +                    | +                    | +                    | +                    | +                    | 49<br>2              |                      |          |
| Parathyroid Gland  | +                    | +                    | +                    | +                    | M                    | +                    | +                    | +                    | +                    | +                    | +                    | +                    | +                    | +                    | +                    | +                    | +                    | +                    | +                    | +                    | +                    | +                    | 46                   |                      |          |
| Pituitary Gland<br>Pars Distalis, Adenoma  | +                    | +                    | +                    | M                    | +                    | +                    | +                    | +                    | +                    | +                    | +                    | +                    | +                    | +                    | +                    | +                    | +                    | +                    | +                    | +                    | +                    | +                    | 49<br>26             |                      |          |
| Thyroid Gland<br>Bilateral, C-cell, Adenoma  | +                    | +                    | +                    | +                    | +                    | +                    | +                    | +                    | +                    | +                    | +                    | +                    | +                    | +                    | +                    | +                    | +                    | +                    | +                    | +                    | +                    | +                    | 50<br>1              |                      |          |

\* .. Total animals with tissue examined microscopically; Total animals with tumor  
 + .. Tissue examined microscopically  
 X .. Lesion present  
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|---|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|---|----------|
|   | 07<br>26             | 07<br>26             | 07<br>26             | 07<br>26             | 07<br>26             | 07<br>26             | 07<br>26             | 07<br>26             | 07<br>26             | 07<br>26             | 07<br>26             | 07<br>26             | 07<br>26             | 07<br>26             | 07<br>26             | 07<br>26             | 07<br>26             | 07<br>26             | 07<br>26             | 07<br>26             | 07<br>26             | 07<br>26             | 07<br>26             |   |          |
| ANIMAL ID                                 | 00<br>20<br>00<br>22 | 00<br>00<br>00<br>23 | 00<br>00<br>00<br>07 | 00<br>00<br>00<br>09 | 00<br>00<br>04<br>11 | 00<br>00<br>04<br>22 | 00<br>00<br>05<br>22 | 00<br>00<br>05<br>26 | 00<br>00<br>06<br>11 | 00<br>00<br>06<br>22 | 00<br>00<br>06<br>24 | 00<br>00<br>06<br>25 | 00<br>00<br>06<br>26 | 00<br>00<br>06<br>27 | 00<br>00<br>06<br>28 | 00<br>00<br>06<br>29 | 00<br>00<br>06<br>30 | 00<br>00<br>06<br>31 | 00<br>00<br>06<br>32 | 00<br>00<br>06<br>33 | 00<br>00<br>06<br>34 | 00<br>00<br>06<br>35 | 00<br>00<br>06<br>36 |   |          |
| C-cell, Adenoma                           |                      | X                    |                      |                      |                      |                      | X                    | X                    |                      |                      |                      |                      | X                    |                      |                      |                      |                      |                      | X                    |                      |                      |                      |                      | 8 |          |

**GENERAL BODY SYSTEM**

NONE

**GENITAL SYSTEM**

|                                       |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |
|---------------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|
| Epididymis                            | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Preputial Gland<br>Adenoma            | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | X | X | 5  |
| Prostate                              | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Seminal Vesicle                       | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Testes                                | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Bilateral, Interstitial Cell, Adenoma | X | X |   | X | X | X | X |   | X | X |   |   |   |   |   |   | X | X | X |   |   | X | X | 19 |
| Interstitial Cell, Adenoma            |   |   |   | X |   |   |   | X | X | X |   |   |   |   |   |   |   |   | X | X |   |   |   | 12 |

**HEMATOPOIETIC SYSTEM**

|                                      |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |
|--------------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|
| Bone Marrow                          | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Lymph Node<br>Renal, Hemangiosarcoma |   |   |   |   | + | + |   | + |   |   |   |   |   |   |   |   | + |   |   |   |   |   |   | 8  |
|                                      |   |   |   |   |   |   |   | X |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1  |
| Lymph Node, Mandibular               | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Lymph Node, Mesenteric               | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49 |
| Spleen                               | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49 |

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|---|-------------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----------|
|   | 07          | 07 | 07 | 07 | 07 | 07 | 07 | 07 | 07 | 07 | 07 | 07 | 07 | 07 | 07 | 07 | 07 | 07 | 07 | 07 | 07 | 07 | 07 |    |          |
| ANIMAL ID                                 | 00          | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 |    |          |
| Hemangiosarcoma                           |             |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | X  | 1        |
| Thymus                                    | +           | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | 48       |
| <b>INTEGUMENTARY SYSTEM</b>               |             |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |          |
| Mammary Gland                             | +           | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | 49       |
| Fibroadenoma                              |             |    | X  |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | X  | 3        |
| Skin                                      | +           | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | 50 |          |
| Basal Cell Adenoma                        |             |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | X  | 4        |
| Keratoacanthoma                           |             |    |    | X  |    |    |    |    | X  |    | X  |    | X  |    |    |    |    |    |    |    |    |    |    | X  | 10       |
| Squamous Cell Carcinoma                   |             |    |    |    |    |    |    | X  |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 1        |
| Sebaceous Gland, Adenoma                  |             |    |    |    |    |    | X  |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 2        |
| Subcutaneous Tissue, Fibroma              | X           |    |    |    |    |    |    |    | X  |    | X  |    |    | X  | X  |    |    |    |    |    |    |    |    | X  | 10       |
| Subcutaneous Tissue, Fibrosarcoma         |             |    | X  |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 2        |
| Subcutaneous Tissue, Lipoma               |             |    | X  |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 1        |
| <b>MUSCULOSKELETAL SYSTEM</b>             |             |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |          |
| Bone                                      | +           | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | 50       |
| Skeletal Muscle                           |             |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | +  | 2        |
| Fibroma                                   |             |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | X  | 1        |
| <b>NERVOUS SYSTEM</b>                     |             |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |          |
| Brain                                     | +           | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | 50       |
| Glioma                                    |             |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 2        |
| Oligodendroglioma Nos                     |             |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 1        |
| <b>RESPIRATORY SYSTEM</b>                 |             |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |          |

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 Route: DOSED WATER  
 Species/Strain: RATS/F344/N Tac

**P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)**

Water disinfection byproducts (Bromodichloroacetic acid)

CAS Number: 71133-14-7

Date Report Requested: 03/05/2013

Time Report Requested: 08:02:51

First Dose M/F: 10/26/06 / 10/27/06

Lab: BAT

| FISCHER 344-TACONIC RATS MALE<br>500 mg/L                        | DAY ON TEST |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          | * TOTALS       |  |  |
|--|-------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------------|--|--|
|  | 07<br>26    | 07<br>26 | 07<br>26 | 07<br>26 | 07<br>26 | 07<br>26 | 07<br>26 | 07<br>26 | 07<br>26 | 07<br>26 | 07<br>26 | 07<br>26 | 07<br>26 | 07<br>26 | 07<br>26 | 07<br>26 | 07<br>26 | 07<br>26 | 07<br>26 | 07<br>26 | 07<br>26 | 07<br>26 | 07<br>26 | 07<br>26 |                |  |  |
| ANIMAL ID  | 0020        | 0003     | 0007     | 0009     | 0011     | 0012     | 0022     | 0026     | 0061     | 0062     | 0064     | 0065     | 0066     | 0066     | 0066     | 0066     | 0066     | 0066     | 0066     | 0066     | 0066     | 0066     | 0066     | 0066     | 0066           |  |  |
| Lung<br>Carcinoma, Metastatic, Harderian Gland                   | +           | +        | +        | +        | +        | +        | +        | +        | +        | +        | +        | +        | +        | +        | +        | +        | +        | +        | +        | +        | +        | +        | +        | +        | 50<br>1        |  |  |
| Nose   | +           | +        | +        | +        | +        | +        | +        | +        | +        | +        | +        | +        | +        | +        | +        | +        | +        | +        | +        | +        | +        | +        | +        | +        | 50             |  |  |
| Trachea  | +           | +        | +        | +        | +        | +        | +        | +        | +        | +        | +        | +        | +        | +        | +        | +        | +        | +        | +        | +        | +        | +        | +        | +        | 50             |  |  |
| <b>SPECIAL SENSES SYSTEM</b>                                     |             |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |                |  |  |
| Eye  | +           | +        | +        | +        | +        | +        | +        | +        | +        | +        | +        | +        | +        | +        | +        | +        | +        | +        | +        | +        | +        | +        | +        | +        | 50             |  |  |
| Harderian Gland<br>Carcinoma                                     | +           | +        | +        | +        | +        | +        | +        | +        | +        | +        | +        | +        | +        | +        | +        | +        | +        | +        | +        | +        | +        | +        | +        | +        | 50<br>1        |  |  |
| <b>URINARY SYSTEM</b>  |             |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |                |  |  |
| Kidney<br>Mesenchymal Tumor Malignant<br>Renal Tubule, Adenoma   | +           | +        | +        | +        | +        | +        | +        | +        | +        | +        | +        | +        | +        | +        | +        | +        | +        | +        | +        | +        | +        | +        | +        | +        | 50<br>1<br>1   |  |  |
| Urinary Bladder  | +           | +        | +        | +        | +        | +        | +        | +        | +        | +        | +        | +        | +        | +        | +        | +        | +        | +        | +        | +        | +        | +        | +        | +        | 50             |  |  |
| <b>SYSTEMIC LESIONS</b>  |             |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |                |  |  |
| Multiple Organ<br>Leukemia Mononuclear<br>Mesothelioma Malignant | +           | +        | +        | +        | +        | +        | +        | +        | +        | +        | +        | +        | +        | +        | +        | +        | +        | +        | +        | +        | +        | +        | +        | +        | 50<br>15<br>18 |  |  |

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

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

Experiment Number: 96014 - 05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F344/N Tac

**P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)**  
 Water disinfection byproducts (Bromodichloroacetic acid)  
 CAS Number: 71133-14-7

Date Report Requested: 03/05/2013  
 Time Report Requested: 08:02:51  
 First Dose M/F: 10/26/06 / 10/27/06  
 Lab: BAT

| FISCHER 344-TACONIC RATS MALE | DAY ON TEST           |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | males<br>(cont...) |
|-------------------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|--------------------|
|                               | 0<br>3<br>8<br>9      | 0<br>4<br>3<br>6      | 0<br>4<br>6<br>7      | 0<br>4<br>8<br>1      | 0<br>4<br>9<br>9      | 0<br>5<br>4<br>8      | 0<br>5<br>6<br>1      | 0<br>5<br>7<br>3      | 0<br>5<br>7<br>5      | 0<br>5<br>8<br>6      | 0<br>5<br>8<br>7      | 0<br>6<br>0<br>2      | 0<br>6<br>1<br>2      | 0<br>6<br>2<br>2      | 0<br>6<br>4<br>2      | 0<br>6<br>4<br>4      | 0<br>6<br>5<br>3      | 0<br>6<br>5<br>7      | 0<br>6<br>6<br>4      | 0<br>6<br>6<br>4      | 0<br>6<br>6<br>4      | 0<br>6<br>7<br>4      | 0<br>6<br>7<br>8      |                       |                    |
| 1000 mg/L                     | 0<br>0<br>3<br>5<br>1 | 0<br>0<br>3<br>2<br>3 | 0<br>0<br>3<br>4<br>5 | 0<br>0<br>3<br>1<br>3 | 0<br>0<br>3<br>6<br>1 | 0<br>0<br>3<br>2<br>8 | 0<br>0<br>3<br>1<br>1 | 0<br>0<br>3<br>6<br>0 | 0<br>0<br>3<br>2<br>5 | 0<br>0<br>3<br>6<br>2 | 0<br>0<br>3<br>1<br>6 | 0<br>0<br>3<br>2<br>9 | 0<br>0<br>3<br>4<br>3 | 0<br>0<br>3<br>4<br>2 | 0<br>0<br>3<br>6<br>0 | 0<br>0<br>3<br>1<br>4 | 0<br>0<br>3<br>1<br>9 | 0<br>0<br>3<br>0<br>5 | 0<br>0<br>3<br>3<br>8 | 0<br>0<br>3<br>3<br>1 | 0<br>0<br>3<br>4<br>3 | 0<br>0<br>3<br>5<br>0 | 0<br>0<br>3<br>1<br>3 | 0<br>0<br>3<br>4<br>0 |                    |

**ALIMENTARY SYSTEM**

|   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Esophagus   | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Large, Cecum                                | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Large, Colon<br>Adenoma                     | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Large, Rectum<br>Adenoma                    | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Small, Duodenum                             | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Small, Ileum                                | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Small, Jejunum                              | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Liver<br>Hemangioma<br>Osteosarcoma, Metastatic, Bone | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Mesentery   |   |   |   |   |   |   |   |   | + |   |   |   |   | + |   |   |   |   |   | + |   |   |   | + |
| Oral Mucosa<br>Squamous Cell Papilloma                | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Pancreas<br>Adenoma, Mixed Cell<br>Acinus, Adenoma    | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Salivary Glands                                       | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |

\* .. 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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Water disinfection byproducts (Bromodichloroacetic acid)

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Time Report Requested: 08:02:51

First Dose M/F: 10/26/06 / 10/27/06

Lab: BAT

| FISCHER 344-TACONIC RATS MALE<br>1000 mg/L | DAY ON TEST           |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | males<br>(cont...)    |                       |                       |                       |                       |
|--|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
|  | 0<br>3<br>8<br>9      | 0<br>4<br>3<br>6      | 0<br>4<br>6<br>7      | 0<br>4<br>8<br>1      | 0<br>4<br>9<br>9      | 0<br>5<br>4<br>8      | 0<br>5<br>6<br>1      | 0<br>5<br>7<br>3      | 0<br>5<br>7<br>5      | 0<br>5<br>8<br>6      | 0<br>5<br>8<br>7      | 0<br>6<br>0<br>2      | 0<br>6<br>1<br>0      | 0<br>6<br>2<br>1      | 0<br>6<br>2<br>9      | 0<br>6<br>4<br>2      | 0<br>6<br>4<br>4      | 0<br>6<br>5<br>3      | 0<br>6<br>5<br>7      | 0<br>6<br>6<br>4      |                       | 0<br>6<br>6<br>4      | 0<br>6<br>7<br>4      | 0<br>6<br>7<br>8      |                       |
|  | ANIMAL ID             |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |
|  | 0<br>0<br>3<br>5<br>1 | 0<br>0<br>3<br>2<br>3 | 0<br>0<br>3<br>4<br>5 | 0<br>0<br>3<br>1<br>3 | 0<br>0<br>3<br>6<br>1 | 0<br>0<br>3<br>2<br>8 | 0<br>0<br>3<br>1<br>1 | 0<br>0<br>3<br>3<br>0 | 0<br>0<br>3<br>6<br>5 | 0<br>0<br>3<br>2<br>2 | 0<br>0<br>3<br>1<br>6 | 0<br>0<br>3<br>2<br>9 | 0<br>0<br>3<br>4<br>3 | 0<br>0<br>3<br>4<br>2 | 0<br>0<br>3<br>4<br>0 | 0<br>0<br>3<br>6<br>6 | 0<br>0<br>3<br>1<br>4 | 0<br>0<br>3<br>0<br>9 | 0<br>0<br>3<br>0<br>5 | 0<br>0<br>3<br>3<br>8 | 0<br>0<br>3<br>3<br>1 | 0<br>0<br>3<br>5<br>0 | 0<br>0<br>3<br>1<br>0 | 0<br>0<br>3<br>4<br>0 | 0<br>0<br>3<br>5<br>0 |

|                         |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|-------------------------|---|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| Stomach, Forestomach    | + |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Stomach, Glandular      | + |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Tongue                  | + |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Squamous Cell Carcinoma | X   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Squamous Cell Papilloma |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

**CARDIOVASCULAR SYSTEM**

|   |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|---|---|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| Blood Vessel                              | + |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Heart                                     | + |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Atrium, Endocardium, Schwannoma Malignant |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

**ENDOCRINE SYSTEM**

|                                |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|--------------------------------|---|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| Adrenal Cortex                 | +       |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Osteosarcoma, Metastatic, Bone |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Adrenal Medulla                | +       |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Pheochromocytoma Benign        | X   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Pheochromocytoma Malignant     | X X X X   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Islets, Pancreatic             | +       |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Parathyroid Gland              | + + + + + + + + + + M + + + + + M + + + + M + +   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Pituitary Gland                | + + + + + + + + + + + + + + + + M + + + + + + + + |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Pars Distalis, Adenoma         | X X X X X X X                                     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Thyroid Gland                  | +       |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| C-cell, Adenoma                | X X X 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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 Lab: BAT

|                               |           | DAY ON TEST |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | males<br>(cont...) |
|-------------------------------|-----------|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--------------------|
| FISCHER 344-TACONIC RATS MALE |           | 0           | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |                    |
| 1000 mg/L                     |           | 3           | 4 | 4 | 4 | 4 | 5 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6                  |
|                               |           | 8           | 3 | 6 | 8 | 9 | 4 | 6 | 7 | 7 | 8 | 8 | 0 | 1 | 2 | 2 | 2 | 4 | 4 | 5 | 5 | 6                  |
|                               | ANIMAL ID | 9           | 6 | 7 | 1 | 9 | 8 | 1 | 3 | 5 | 6 | 7 | 2 | 0 | 1 | 9 | 9 | 2 | 4 | 3 | 7 | 4                  |
|                               |           | 0           | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 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                  |
|                               |           | 5           | 2 | 4 | 1 | 6 | 2 | 1 | 3 | 6 | 2 | 1 | 2 | 4 | 4 | 2 | 6 | 1 | 1 | 0 | 0 | 1                  |
|                               |           | 1           | 3 | 5 | 3 | 1 | 8 | 1 | 0 | 5 | 2 | 6 | 9 | 3 | 2 | 0 | 6 | 4 | 9 | 6 | 5 | 8                  |

Follicular Cell, Adenoma  
 Follicular Cell, Carcinoma

X X

**GENERAL BODY SYSTEM**

NONE

**GENITAL SYSTEM**

|                                       |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|---------------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Epididymis                            | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Preputial Gland<br>Carcinoma          | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + |
|                                       |   |   |   |   |   |   |   |   |   |   | X |   |   |   |   |   |   |   |   |   |   |   |
| Prostate                              | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Seminal Vesicle                       | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Testes                                | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Bilateral, Interstitial Cell, Adenoma |   |   |   |   |   |   |   |   |   | X |   |   |   |   |   |   |   |   |   | X | X | X |
| Interstitial Cell, Adenoma            |   |   |   | X | X |   | X | X |   | X | X |   |   |   |   | X | X | X |   |   |   |   |

**HEMATOPOIETIC SYSTEM**

|                        |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Bone Marrow            | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Lymph Node             |   |   |   |   |   |   |   |   |   |   |   | + |   |   |   | + |   |   |   |   |   |   |
| Lymph Node, Mandibular | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Lymph Node, Mesenteric | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Spleen                 | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |

\* .. Total animals with tissue examined microscopically; Total animals with tumor  
 + .. Tissue examined microscopically  
 X .. Lesion present  
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Lab: BAT

| FISCHER 344-TACONIC RATS MALE | DAY ON TEST      |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  | males<br>(cont...) |
|-------------------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|--------------------|
|                               | 0<br>3<br>8<br>9 | 0<br>4<br>3<br>6 | 0<br>4<br>6<br>7 | 0<br>4<br>8<br>1 | 0<br>4<br>9<br>9 | 0<br>5<br>4<br>8 | 0<br>5<br>6<br>1 | 0<br>5<br>7<br>3 | 0<br>5<br>7<br>5 | 0<br>5<br>8<br>6 | 0<br>5<br>8<br>7 | 0<br>6<br>0<br>2 | 0<br>6<br>1<br>0 | 0<br>6<br>2<br>1 | 0<br>6<br>2<br>9 | 0<br>6<br>4<br>2 | 0<br>6<br>4<br>6 | 0<br>6<br>5<br>3 | 0<br>6<br>5<br>7 | 0<br>6<br>6<br>4 | 0<br>6<br>6<br>4 | 0<br>6<br>6<br>4 | 0<br>6<br>7<br>4 | 0<br>6<br>7<br>8 |                    |
| 1000 mg/L                     | 0<br>3<br>5<br>1 | 0<br>0<br>3<br>2 | 0<br>0<br>3<br>4 | 0<br>0<br>3<br>1 | 0<br>0<br>3<br>6 | 0<br>0<br>3<br>2 | 0<br>0<br>3<br>1 | 0<br>0<br>3<br>3 | 0<br>0<br>3<br>6 | 0<br>0<br>3<br>2 | 0<br>0<br>3<br>1 | 0<br>0<br>3<br>6 | 0<br>0<br>3<br>2 | 0<br>0<br>3<br>1 | 0<br>0<br>3<br>4 | 0<br>0<br>3<br>4 | 0<br>0<br>3<br>2 | 0<br>0<br>3<br>6 | 0<br>0<br>3<br>1 | 0<br>0<br>3<br>4 | 0<br>0<br>3<br>3 | 0<br>0<br>3<br>3 | 0<br>0<br>3<br>3 | 0<br>0<br>3<br>3 | 0<br>0<br>3<br>0   |
| ANIMAL ID                     | 0<br>3<br>5<br>1 | 0<br>0<br>3<br>2 | 0<br>0<br>3<br>4 | 0<br>0<br>3<br>1 | 0<br>0<br>3<br>6 | 0<br>0<br>3<br>2 | 0<br>0<br>3<br>1 | 0<br>0<br>3<br>3 | 0<br>0<br>3<br>6 | 0<br>0<br>3<br>2 | 0<br>0<br>3<br>1 | 0<br>0<br>3<br>3 | 0<br>0<br>3<br>6 | 0<br>0<br>3<br>2 | 0<br>0<br>3<br>4 | 0<br>0<br>3<br>4 | 0<br>0<br>3<br>2 | 0<br>0<br>3<br>6 | 0<br>0<br>3<br>1 | 0<br>0<br>3<br>4 | 0<br>0<br>3<br>3 | 0<br>0<br>3<br>3 | 0<br>0<br>3<br>3 | 0<br>0<br>3<br>3 | 0<br>0<br>3<br>0   |

Hemangiosarcoma  
 Osteosarcoma, Metastatic, Bone

X

Thymus  
 Thymoma Benign

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

**INTEGUMENTARY SYSTEM**

Mammary Gland  
 Fibroadenoma

+ +

Skin  
 Basal Cell Adenoma  
 Basal Cell Carcinoma  
 Keratoacanthoma  
 Keratoacanthoma, Multiple  
 Squamous Cell Papilloma  
 Sebaceous Gland, Adenoma  
 Subcutaneous Tissue, Fibroma  
 Subcutaneous Tissue, Fibroma, Multiple  
 Subcutaneous Tissue, Fibrosarcoma  
 Subcutaneous Tissue, Fibrosarcoma, Multiple

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

**MUSCULOSKELETAL SYSTEM**

Bone  
 Osteoma  
 Osteosarcoma  
 Tendon, Fibrosarcoma

+ +

**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

Experiment Number: 96014 - 05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F344/N Tac

**P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)**  
 Water disinfection byproducts (Bromodichloroacetic acid)  
 CAS Number: 71133-14-7

Date Report Requested: 03/05/2013  
 Time Report Requested: 08:02:51  
 First Dose M/F: 10/26/06 / 10/27/06  
 Lab: BAT

| FISCHER 344-TACONIC RATS MALE | DAY ON TEST |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | males<br>(cont...) |      |
|-------------------------------|-------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|--------------------|------|
|                               | 0389        | 0436 | 0447 | 0448 | 0449 | 0454 | 0455 | 0455 | 0455 | 0455 | 0455 | 0455 | 0455 | 0455 | 0455 | 0455 | 0455 | 0455 | 0455 | 0455 |                    | 0455 |
| 1000 mg/L                     | 0051        | 0033 | 0033 | 0033 | 0033 | 0033 | 0033 | 0033 | 0033 | 0033 | 0033 | 0033 | 0033 | 0033 | 0033 | 0033 | 0033 | 0033 | 0033 | 0033 | 0033               |      |

Glioma  
 Oligodendroglioma Nos X

**RESPIRATORY SYSTEM**

|                                |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|--------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Lung                           | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Alveolar/Bronchiolar Adenoma   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Alveolar/Bronchiolar Carcinoma |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Osteosarcoma, Metastatic, Bone |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Squamous Cell Carcinoma        |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Nose                           | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Trachea                        | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |

**SPECIAL SENSES SYSTEM**

|                          |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|--------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Eye                      | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Iris, Melanoma Malignant |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Harderian Gland          | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Zymbal's Gland           |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Carcinoma                |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |

**URINARY SYSTEM**

|                       |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|-----------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Kidney                | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Renal Tubule, Adenoma |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Urinary Bladder       | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |

**SYSTEMIC LESIONS**

\* .. 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

Experiment Number: 96014 - 05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F344/N Tac

**P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)**

Water disinfection byproducts (Bromodichloroacetic acid)

CAS Number: 71133-14-7

Date Report Requested: 03/05/2013

Time Report Requested: 08:02:51

First Dose M/F: 10/26/06 / 10/27/06

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 | males<br>(cont...) |   |
|-------------------------------|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--------------------|---|
| DAY ON TEST                   |  | 3 | 4 | 4 | 4 | 4 | 5 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |                    |   |
| FISCHER 344-TACONIC RATS MALE |  | 8 | 3 | 6 | 8 | 9 | 4 | 6 | 7 | 7 | 8 | 8 | 0 | 1 | 2 | 2 | 2 | 4 | 4 | 5 | 5 | 6 | 6 | 6 |                    | 7 |
| 1000 mg/L                     |  | 9 | 6 | 7 | 1 | 9 | 8 | 1 | 3 | 5 | 6 | 7 | 2 | 0 | 1 | 9 | 9 | 2 | 4 | 4 | 3 | 7 | 4 | 4 | 4                  | 8 |
| ANIMAL ID                     |  | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0                  | 0 |
|                               |  | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0                  | 0 |
|                               |  | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3                  | 3 |
|                               |  | 5 | 2 | 4 | 1 | 6 | 2 | 1 | 3 | 6 | 2 | 1 | 2 | 4 | 4 | 2 | 6 | 1 | 1 | 0 | 0 | 1 | 4 | 5 | 1                  | 4 |
|                               |  | 1 | 3 | 5 | 3 | 1 | 8 | 1 | 0 | 5 | 2 | 6 | 9 | 3 | 2 | 0 | 6 | 4 | 9 | 6 | 5 | 8 | 1 | 3 | 0                  | 0 |
| Multiple Organ                |  | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | +                  |   |
| Leukemia Mononuclear          |  |   |   |   | X |   |   | X |   |   |   |   | X |   |   | X |   |   |   |   |   | X |   |   |                    |   |
| Mesothelioma Malignant        |  | X | X | X | X |   |   | X | X | X | X | X | X | X | X |   |   | X | X | X |   | X | X | X | X                  |   |

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

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

Experiment Number: 96014 - 05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F344/N Tac

**P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)**  
 Water disinfection byproducts (Bromodichloroacetic acid)  
 CAS Number: 71133-14-7

Date Report Requested: 03/05/2013  
 Time Report Requested: 08:02:51  
 First Dose M/F: 10/26/06 / 10/27/06  
 Lab: BAT

| FISCHER 344-TACONIC RATS MALE | DAY ON TEST |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       | * TOTALS |
|-------------------------------|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----------|
|                               | 0678        | 0678  | 0775  | 0775  | 0777  | 0777  | 0777  | 0777  | 0777  | 0777  | 0777  | 0777  | 0777  | 0777  | 0777  | 0777  | 0777  | 0777  | 0777  | 0777  | 0777  | 0777  | 0777  | 0777  |          |
| 1000 mg/L                     | 00357       | 00357 | 00357 | 00357 | 00357 | 00357 | 00357 | 00357 | 00357 | 00357 | 00357 | 00357 | 00357 | 00357 | 00357 | 00357 | 00357 | 00357 | 00357 | 00357 | 00357 | 00357 | 00357 | 00357 | 50       |

**ALIMENTARY SYSTEM**

|   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |              |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--------------|
| Esophagus   | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50           |
| Intestine Large, Cecum                                | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50           |
| Intestine Large, Colon<br>Adenoma                     | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | X | + | + | 50<br>1      |
| Intestine Large, Rectum<br>Adenoma                    | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | X | + | 50<br>1      |
| Intestine Small, Duodenum                             | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50           |
| Intestine Small, Ileum                                | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50           |
| Intestine Small, Jejunum                              | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50           |
| Liver<br>Hemangioma<br>Osteosarcoma, Metastatic, Bone | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50<br>1<br>1 |
| Mesentery   | + | + |   | + |   |   |   |   | + |   |   |   |   |   |   |   |   |   |   |   |   |   | + |   | 10           |
| Oral Mucosa<br>Squamous Cell Papilloma                | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50<br>1      |
| Pancreas<br>Adenoma, Mixed Cell<br>Acinus, Adenoma    | + | + | + | + | + |   | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50<br>1<br>1 |
| Salivary Glands                                       | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50           |

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

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



Experiment Number: 96014 - 05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F344/N Tac

**P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)**  
 Water disinfection byproducts (Bromodichloroacetic acid)  
 CAS Number: 71133-14-7

Date Report Requested: 03/05/2013  
 Time Report Requested: 08:02:51  
 First Dose M/F: 10/26/06 / 10/27/06  
 Lab: BAT

| FISCHER 344-TACONIC RATS MALE<br>1000 mg/L | DAY ON TEST          |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      | * TOTALS             |    |
|--|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----|
|  | 06777777777777777777 | 06777777777777777777 | 06777777777777777777 | 06777777777777777777 | 06777777777777777777 | 06777777777777777777 | 06777777777777777777 | 06777777777777777777 | 06777777777777777777 | 06777777777777777777 | 06777777777777777777 | 06777777777777777777 | 06777777777777777777 | 06777777777777777777 | 06777777777777777777 | 06777777777777777777 | 06777777777777777777 | 06777777777777777777 | 06777777777777777777 | 06777777777777777777 |                      |    |
| ANIMAL ID                                  | 00000000000000000000 | 00000000000000000000 | 00000000000000000000 | 00000000000000000000 | 00000000000000000000 | 00000000000000000000 | 00000000000000000000 | 00000000000000000000 | 00000000000000000000 | 00000000000000000000 | 00000000000000000000 | 00000000000000000000 | 00000000000000000000 | 00000000000000000000 | 00000000000000000000 | 00000000000000000000 | 00000000000000000000 | 00000000000000000000 | 00000000000000000000 | 00000000000000000000 | 00000000000000000000 |    |
| Stomach, Forestomach                       | +                    | +                    | +                    | +                    | +                    | +                    | +                    | +                    | +                    | +                    | +                    | +                    | +                    | +                    | +                    | +                    | +                    | +                    | +                    | +                    | +                    | 50 |
| Stomach, Glandular                         | +                    | +                    | +                    | +                    | +                    | +                    | +                    | +                    | +                    | +                    | +                    | +                    | +                    | +                    | +                    | +                    | +                    | +                    | +                    | +                    | +                    | 50 |
| Tongue                                     | +                    | +                    | +                    | +                    | +                    | +                    | +                    | +                    | +                    | +                    | +                    | +                    | +                    | +                    | +                    | +                    | +                    | +                    | +                    | +                    | +                    | 50 |
| Squamous Cell Carcinoma                    |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      | 1  |
| Squamous Cell Papilloma                    |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      | X                    |                      |                      |                      |                      | 1  |
| <b>CARDIOVASCULAR SYSTEM</b>               |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |    |
| Blood Vessel                               | +                    | +                    | +                    | +                    | +                    | +                    | +                    | +                    | +                    | +                    | +                    | +                    | +                    | +                    | +                    | +                    | +                    | +                    | +                    | +                    | +                    | 50 |
| Heart                                      | +                    | +                    | +                    | +                    | +                    | +                    | +                    | +                    | +                    | +                    | +                    | +                    | +                    | +                    | +                    | +                    | +                    | +                    | +                    | +                    | +                    | 50 |
| Atrium, Endocardium, Schwannoma Malignant  |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      | X                    |                      |                      |                      |                      | 1  |
| <b>ENDOCRINE SYSTEM</b>                    |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |    |
| Adrenal Cortex                             | +                    | +                    | +                    | +                    | +                    | +                    | +                    | +                    | +                    | +                    | +                    | +                    | +                    | +                    | +                    | +                    | +                    | +                    | +                    | +                    | +                    | 50 |
| Osteosarcoma, Metastatic, Bone             | X                    |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      | 1  |
| Adrenal Medulla                            | +                    | +                    | +                    | +                    | +                    | +                    | +                    | +                    | +                    | +                    | +                    | +                    | +                    | +                    | +                    | +                    | +                    | +                    | +                    | +                    | +                    | 50 |
| Pheochromocytoma Benign                    |                      |                      |                      |                      |                      | X                    | X                    | X                    |                      |                      |                      | X                    | X                    |                      | X                    |                      |                      |                      |                      |                      | X                    | 11 |
| Pheochromocytoma Malignant                 |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      | X                    |                      |                      |                      |                      |                      |                      | 1  |
| Islets, Pancreatic                         | +                    | +                    | +                    | +                    | +                    | +                    | +                    | +                    | +                    | +                    | +                    | +                    | +                    | +                    | +                    | +                    | +                    | +                    | +                    | +                    | +                    | 50 |
| Parathyroid Gland                          | +                    | +                    | +                    | +                    | +                    | +                    | M                    | +                    | M                    | +                    | M                    | +                    | +                    | +                    | +                    | +                    | +                    | +                    | +                    | +                    | +                    | 44 |
| Pituitary Gland                            | +                    | +                    | +                    | +                    | +                    | +                    | +                    | +                    | +                    | +                    | +                    | +                    | +                    | +                    | +                    | +                    | +                    | +                    | +                    | +                    | +                    | 48 |
| Pars Distalis, Adenoma                     |                      |                      | X                    |                      | X                    | X                    |                      |                      | X                    |                      | X                    |                      |                      |                      | X                    |                      | X                    |                      | X                    | X                    | X                    | 20 |
| Thyroid Gland                              | +                    | +                    | +                    | +                    | +                    | +                    | +                    | +                    | +                    | +                    | +                    | +                    | +                    | +                    | +                    | +                    | +                    | +                    | +                    | +                    | +                    | 50 |
| C-cell, Adenoma                            | X                    |                      |                      | X                    |                      |                      |                      |                      | X                    | X                    |                      |                      |                      |                      | X                    |                      |                      |                      |                      |                      | X                    | 8  |

\* .. 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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Experiment Number: 96014 - 05  
 Test Type: CHRONIC  
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 Species/Strain: RATS/F344/N Tac

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)  
 Water disinfection byproducts (Bromodichloroacetic acid)  
 CAS Number: 71133-14-7

Date Report Requested: 03/05/2013  
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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 |                 |
| FISCHER 344-TACONIC RATS MALE |  | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |                 |
| 1000 mg/L                     |  | 7 | 7 | 0 | 0 | 0 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |                 |
| ANIMAL ID                     |  | 8 | 8 | 5 | 5 | 7 | 0 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 7 | 7 | 7 | 7 |   |                 |
|                               |  | 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 |                 |
|                               |  | 5 | 5 | 1 | 5 | 3 | 5 | 1 | 1 | 3 | 3 | 3 | 4 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 0 | 2 | 2 | 3 |                 |
|                               |  | 5 | 7 | 2 | 2 | 5 | 4 | 5 | 7 | 3 | 4 | 6 | 9 | 0 | 8 | 9 | 0 | 2 | 3 | 4 | 4 | 1 | 4 | 9 | <b>* TOTALS</b> |

Follicular Cell, Adenoma  
 Follicular Cell, Carcinoma

X

X

2  
2

**GENERAL BODY SYSTEM**

NONE

**GENITAL SYSTEM**

|                                       |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |           |                       |
|---------------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------|-----------------------|
| Epididymis                            | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | +         | <b>50</b>             |
| Preputial Gland Carcinoma             | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | +         | <b>49</b><br><b>1</b> |
| Prostate                              | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | +         | <b>50</b>             |
| Seminal Vesicle                       | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | +         | <b>50</b>             |
| Testes                                | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | +         | <b>50</b>             |
| Bilateral, Interstitial Cell, Adenoma |   |   |   | X |   |   | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X         | <b>20</b>             |
| Interstitial Cell, Adenoma            | X | X |   | X |   | X |   |   |   | X |   |   |   | X | X |   | X |   |   |   |   | X |   | <b>19</b> |                       |

**HEMATOPOIETIC SYSTEM**

|                        |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |           |
|------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------|
| Bone Marrow            | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | <b>50</b> |
| Lymph Node             |   |   |   | + | + |   |   |   |   |   | + |   |   |   |   |   | + | + |   |   |   |   |   |   | <b>7</b>  |
| Lymph Node, Mandibular | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | <b>50</b> |
| Lymph Node, Mesenteric | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | <b>50</b> |
| Spleen                 | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | <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

Experiment Number: 96014 - 05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F344/N Tac

**P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)**

Water disinfection byproducts (Bromodichloroacetic acid)

CAS Number: 71133-14-7

Date Report Requested: 03/05/2013

Time Report Requested: 08:02:51

First Dose M/F: 10/26/06 / 10/27/06

Lab: BAT

| FISCHER 344-TACONIC RATS MALE<br>1000 mg/L  | DAY ON TEST |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       | * TOTALS |      |
|---|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----------|------|
|   | 0678        | 0678  | 0705  | 0705  | 0707  | 0707  | 0707  | 0707  | 0707  | 0707  | 0707  | 0707  | 0707  | 0707  | 0707  | 0707  | 0707  | 0707  | 0707  | 0707  |          | 0707 |
| ANIMAL ID                                   | 00357       | 00357 | 00357 | 00357 | 00357 | 00357 | 00357 | 00357 | 00357 | 00357 | 00357 | 00357 | 00357 | 00357 | 00357 | 00357 | 00357 | 00357 | 00357 | 00357 | 00357    |      |
| Hemangiosarcoma                             |             |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |          | 1    |
| Osteosarcoma, Metastatic, Bone              | X           |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |          | 1    |
| Thymus                                      | +           | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +        | 49   |
| Thymoma Benign                              |             |       | X     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       | X     |          | 2    |
| <b>INTEGUMENTARY SYSTEM</b>                 |             |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |          |      |
| Mammary Gland                               | +           | M     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +        | 49   |
| Fibroadenoma                                |             |       |       |       |       |       |       |       |       |       |       |       |       |       | X     |       |       |       |       |       |          | 1    |
| Skin  | +           | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +        | 50   |
| Basal Cell Adenoma                          |             |       |       |       |       |       |       |       |       |       |       |       |       | X     |       | X     |       |       |       |       | X        | 4    |
| Basal Cell Carcinoma                        |             |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |          | 1    |
| Keratoacanthoma                             |             | X     |       |       |       | X     |       |       | X     |       |       |       | X     |       |       | X     |       | X     |       |       | X        | 12   |
| Keratoacanthoma, Multiple                   |             |       |       |       | X     |       |       |       | X     |       |       |       |       |       |       |       |       |       |       |       |          | 3    |
| Squamous Cell Papilloma                     |             |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |          | 1    |
| Sebaceous Gland, Adenoma                    |             |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |          | 2    |
| Subcutaneous Tissue, Fibroma                |             |       |       |       |       | X     |       | X     |       | X     | X     |       | X     |       |       |       |       | X     |       |       |          | 13   |
| Subcutaneous Tissue, Fibroma, Multiple      |             |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       | X        | 2    |
| Subcutaneous Tissue, Fibrosarcoma           |             |       | X     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |          | 1    |
| Subcutaneous Tissue, Fibrosarcoma, Multiple |             |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |          | 1    |
| <b>MUSCULOSKELETAL SYSTEM</b>               |             |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |          |      |
| Bone  | +           | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +        | 50   |
| Osteoma                                     |             |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       | X     |       |          | 1    |
| Osteosarcoma                                | X           |       |       |       |       |       |       |       |       |       | X     |       |       |       |       |       |       |       |       |       |          | 2    |
| Tendon, Fibrosarcoma                        |             |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       | X     |       |          | 1    |
| <b>NERVOUS SYSTEM</b>                       |             |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |          |      |
| Brain                                       | +           | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +        | 50   |

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

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

Experiment Number: 96014 - 05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F344/N Tac

**P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)**  
 Water disinfection byproducts (Bromodichloroacetic acid)  
 CAS Number: 71133-14-7

Date Report Requested: 03/05/2013  
 Time Report Requested: 08:02:51  
 First Dose M/F: 10/26/06 / 10/27/06  
 Lab: BAT

| FISCHER 344-TACONIC RATS MALE<br>1000 mg/L | DAY ON TEST |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       | * TOTALS |      |
|--|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----------|------|
|  | 0678        | 0678  | 0705  | 0705  | 0707  | 0707  | 0707  | 0707  | 0707  | 0707  | 0707  | 0707  | 0707  | 0707  | 0707  | 0707  | 0707  | 0707  | 0707  | 0707  |          | 0707 |
| ANIMAL ID                                  | 00357       | 00357 | 00357 | 00357 | 00357 | 00357 | 00357 | 00357 | 00357 | 00357 | 00357 | 00357 | 00357 | 00357 | 00357 | 00357 | 00357 | 00357 | 00357 | 00357 | 00357    |      |
|  | 0           | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0        | 2    |
|  | 6           | 6     | 7     | 7     | 7     | 7     | 7     | 7     | 7     | 7     | 7     | 7     | 7     | 7     | 7     | 7     | 7     | 7     | 7     | 7     | 7        | 1    |
|  | 7           | 7     | 0     | 0     | 0     | 1     | 2     | 2     | 2     | 2     | 2     | 2     | 2     | 2     | 2     | 2     | 2     | 2     | 2     | 2     | 2        | 1    |
|  | 8           | 8     | 5     | 5     | 7     | 0     | 6     | 6     | 6     | 6     | 6     | 6     | 6     | 6     | 6     | 6     | 6     | 6     | 6     | 6     | 6        | 1    |

|                       |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |   |
|-----------------------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|---|---|
| Glioma                |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | X | 2 |
| Oligodendroglioma Nos |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   | 1 |

**RESPIRATORY SYSTEM**

|                                |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |
|--------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|
| Lung                           | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Alveolar/Bronchiolar Adenoma   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | X |   | 1  |
| Alveolar/Bronchiolar Carcinoma |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | X |   |   | 1  |
| Osteosarcoma, Metastatic, Bone | X |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1  |
| Squamous Cell Carcinoma        |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1  |
| Nose                           | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Trachea                        | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |

**SPECIAL SENSES SYSTEM**

|                          |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |
|--------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|
| Eye                      | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Iris, Melanoma Malignant |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | X |   |   | 1  |
| Harderian Gland          | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Zymbal's Gland           |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 2  |
| Carcinoma                |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 2  |

**URINARY SYSTEM**

|                       |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |
|-----------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|
| Kidney                | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Renal Tubule, Adenoma |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | X |   |   | 1  |
| Urinary Bladder       | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |

**SYSTEMIC LESIONS**

\* .. 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

Experiment Number: 96014 - 05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F344/N Tac

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Water disinfection byproducts (Bromodichloroacetic acid)

CAS Number: 71133-14-7

Date Report Requested: 03/05/2013

Time Report Requested: 08:02:51

First Dose M/F: 10/26/06 / 10/27/06

Lab: BAT

| FISCHER 344-TACONIC RATS MALE<br><br>1000 mg/L | DAY ON TEST |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    | * TOTALS |
|--|-------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|----------|
|  | 068         | 067 | 067 | 067 | 067 | 067 | 067 | 067 | 067 | 067 | 067 | 067 | 067 | 067 | 067 | 067 | 067 | 067 | 067 | 067 | 067 | 067 | 067 |    |          |
| ANIMAL ID                                      | 000         | 000 | 000 | 000 | 000 | 000 | 000 | 000 | 000 | 000 | 000 | 000 | 000 | 000 | 000 | 000 | 000 | 000 | 000 | 000 | 000 | 000 | 000 |    |          |
|  | 335         | 335 | 335 | 335 | 335 | 335 | 335 | 335 | 335 | 335 | 335 | 335 | 335 | 335 | 335 | 335 | 335 | 335 | 335 | 335 | 335 | 335 | 335 |    |          |
|  | 557         | 557 | 557 | 557 | 557 | 557 | 557 | 557 | 557 | 557 | 557 | 557 | 557 | 557 | 557 | 557 | 557 | 557 | 557 | 557 | 557 | 557 | 557 |    |          |
| Multiple Organ                                 | +           | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | 50 |          |
| Leukemia Mononuclear                           | X           |     |     |     |     |     |     | X   | X   |     | X   |     |     |     | X   |     | X   |     |     |     |     |     |     | 11 |          |
| Mesothelioma Malignant                         | X           | X   | X   | X   |     | X   |     | X   | X   | X   | X   |     | X   |     |     |     | X   | X   |     | X   |     | X   | X   | 37 |          |

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

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

|  |               | DAY ON TEST |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 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 |                      |
| <b>FISCHER 344-TACONIC RATS<br/>FEMALE</b> |               | 3           | 4 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7                    |
|  | <b>0 mg/L</b> | 0           | 3 | 5 | 0 | 3 | 3 | 3 | 4 | 4 | 7 | 8 | 8 | 9 | 9 | 0 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2                    |
|  | ANIMAL ID     | 0           | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 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                    |
|  |               | 5           | 0 | 4 | 0 | 1 | 3 | 4 | 3 | 3 | 3 | 0 | 2 | 5 | 2 | 2 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 2 | 2 |                      |
|  |               | 4           | 1 | 8 | 2 | 6 | 5 | 9 | 4 | 0 | 1 | 3 | 6 | 3 | 5 | 4 | 4 | 5 | 9 | 7 | 8 | 9 | 1 | 2 | 2 |                      |

**ALIMENTARY SYSTEM**

|                                    |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|------------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Esophagus                          | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Large, Cecum             | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Large, Colon             | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Large, Rectum<br>Adenoma | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Small, Duodenum          | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Small, Ileum             | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Small, Jejunum           | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Liver<br>Hemangioma                | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | X | + | + | + | + | + | + | + | + | + |
| Mesentery                          |   |   | + |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | + |   |   |   | + |
| Pancreas                           | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Salivary Glands                    | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Stomach, Forestomach               | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Stomach, Glandular                 | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Tongue                             | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |

\* .. 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

Experiment Number: 96014 - 05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F344/N Tac

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)  
 Water disinfection byproducts (Bromodichloroacetic acid)  
 CAS Number: 71133-14-7

Date Report Requested: 03/05/2013  
 Time Report Requested: 08:02:51  
 First Dose M/F: 10/26/06 / 10/27/06  
 Lab: BAT

| FISCHER 344-TACONIC RATS<br>FEMALE<br>0 mg/L | DAY ON TEST |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  | 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 |  |                      |
|  | 3           | 4 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |  |                      |
|  | 3           | 4 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |  |                      |
|  | 0           | 2 | 1 | 8 | 5 | 5 | 5 | 1 | 5 | 3 | 0 | 9 | 9 | 0 | 1 | 2 | 2 | 2 | 7 | 7 | 7 | 7 | 7 |  |                      |
| 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 |  |                      |
|  | 4           | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |  |                      |
|  | 5           | 0 | 4 | 0 | 1 | 3 | 4 | 3 | 3 | 3 | 0 | 2 | 5 | 2 | 2 | 2 | 0 | 0 | 1 | 1 | 1 | 2 | 2 |  |                      |
|  | 4           | 1 | 8 | 2 | 6 | 5 | 9 | 4 | 0 | 3 | 3 | 6 | 3 | 5 | 4 | 4 | 5 | 9 | 0 | 7 | 8 | 9 | 2 |  |                      |

**CARDIOVASCULAR SYSTEM**

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

**ENDOCRINE SYSTEM**

|                            |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|----------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Adrenal Cortex             | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Adrenal Medulla            | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Pheochromocytoma Benign    |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Pheochromocytoma Malignant |   |   |   |   |   |   |   |   |   |   |   |   | X |   |   |   |   |   |   |   |   |   |   |   |
| Islets, Pancreatic Adenoma | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Parathyroid Gland          | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Pituitary Gland            | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Pars Distalis, Adenoma     |   |   | X |   | X | X |   | X | X |   | X | X |   | X | X |   | X | X |   |   |   | X |   |   |
| Thyroid Gland              | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| C-cell, Adenoma            |   |   |   |   |   | X | X |   |   |   |   |   |   |   |   | X | X |   |   | 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  
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Experiment Number: 96014 - 05  
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P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)  
 Water disinfection byproducts (Bromodichloroacetic acid)  
 CAS Number: 71133-14-7

Date Report Requested: 03/05/2013  
 Time Report Requested: 08:02:51  
 First Dose M/F: 10/26/06 / 10/27/06  
 Lab: BAT

| FISCHER 344-TACONIC RATS<br>FEMALE<br>0 mg/L | 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 | females<br>(cont...) |
|--|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----------------------|
|  |             | 3 | 4 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |   |                      |
|  |             | 3 | 3 | 5 | 0 | 3 | 3 | 3 | 4 | 4 | 7 | 8 | 8 | 9 | 9 | 0 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |   |                      |
|  | ANIMAL ID   | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |   |                      |
| Adenoma                                      |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   | X |   |   |   |   |   |   |   |   | X |   |   |                      |
| Carcinoma                                    |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |                      |
| Bilateral, Adenoma                           |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |                      |
| Ovary  |             | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |   |                      |
| Uterus                                       |             | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |   |                      |
| Deciduoma Nos                                |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |                      |
| Fibrous Histiocytoma                         |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | X |   |   |   |   |   |   |   |   |   |   |                      |
| Leiomyosarcoma                               |             |   | X |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |                      |
| Polyp Stromal                                |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | X |   |   |   |   |   |   | X |   |                      |
| Polyp Stromal, Multiple                      |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |                      |
| Sarcoma Stromal                              |             |   |   |   |   |   |   |   | X |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |                      |
| Vagina                                       |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |                      |
| <b>HEMATOPOIETIC SYSTEM</b>                  |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |                      |
| Bone Marrow                                  |             | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |   |                      |
| Lymph Node                                   |             |   |   |   | + |   |   |   |   |   | + |   |   |   |   |   | + |   |   |   |   |   |   |   |   |   |   |                      |
| Lymph Node, Mandibular                       |             | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |   |                      |
| Lymph Node, Mesenteric                       |             | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |   |                      |
| Spleen                                       |             | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |   |                      |
| Thymus                                       |             | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |   |                      |
| Thymoma Malignant                            |             |   |   |   |   |   |   |   |   | X |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |                      |
| <b>INTEGUMENTARY SYSTEM</b>                  |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |                      |

\* .. Total animals with tissue examined microscopically; Total animals with tumor  
 + .. Tissue examined microscopically  
 X .. Lesion present  
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**P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)**

Water disinfection byproducts (Bromodichloroacetic acid)

CAS Number: 71133-14-7

Date Report Requested: 03/05/2013

Time Report Requested: 08:02:51

First Dose M/F: 10/26/06 / 10/27/06

Lab: BAT

| FISCHER 344-TACONIC RATS<br>FEMALE<br>0 mg/L            | DAY ON TEST      |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  | ANIMAL ID             | females<br>(cont...) |  |
|---|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|-----------------------|----------------------|--|
|   | 0<br>3<br>3<br>0 | 0<br>4<br>3<br>2 | 0<br>5<br>5<br>1 | 0<br>6<br>0<br>8 | 0<br>6<br>3<br>5 | 0<br>6<br>3<br>5 | 0<br>6<br>4<br>1 | 0<br>6<br>3<br>5 | 0<br>6<br>4<br>1 | 0<br>6<br>7<br>3 | 0<br>6<br>8<br>0 | 0<br>6<br>8<br>9 | 0<br>6<br>9<br>0 | 0<br>6<br>9<br>4 | 0<br>7<br>0<br>9 | 0<br>7<br>1<br>4 | 0<br>7<br>2<br>7 | 0<br>7<br>2<br>7 | 0<br>7<br>2<br>7 | 0<br>7<br>2<br>7 | 0<br>7<br>2<br>7 | 0<br>7<br>2<br>7 | 0<br>7<br>2<br>7 | 0<br>7<br>2<br>7 |                       |                      |  |
| Mammary Gland   | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | 0<br>0<br>4<br>5<br>4 | +                    |  |
| Adenoma   |                  |                  |                  |                  |                  | X                |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  | 0<br>0<br>4<br>5<br>4 |                      |  |
| Fibroadenoma  |                  |                  | X                |                  | X                | X                | X                |                  |                  |                  |                  | X                |                  | X                | X                | X                |                  |                  |                  | X                | X                | X                |                  |                  | 0<br>0<br>4<br>5<br>4 |                      |  |
| Fibroadenoma, Multiple                                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  | X                | X                |                  |                  |                  |                  | X                | 0<br>0<br>4<br>5<br>4 |                      |  |
| Skin  | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | 0<br>0<br>4<br>5<br>4 | +                    |  |
| Subcutaneous Tissue, Fibroma                            |                  |                  |                  | X                |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  | 0<br>0<br>4<br>5<br>4 |                      |  |
| Subcutaneous Tissue, Lipoma                             |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  | X                |                  |                  |                  |                  |                  | X                |                  |                  |                  |                  | 0<br>0<br>4<br>5<br>4 |                      |  |
| <b>MUSCULOSKELETAL SYSTEM</b>                           |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                       |                      |  |
| Bone  | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                     |                      |  |
| <b>NERVOUS SYSTEM</b>                                   |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                       |                      |  |
| Brain   | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                     |                      |  |
| Glioma  |                  |                  |                  |                  |                  |                  |                  |                  | X                |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                       |                      |  |
| <b>RESPIRATORY SYSTEM</b>                               |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                       |                      |  |
| Lung  | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                     |                      |  |
| Pheochromocytoma Malignant, Metastatic, Adrenal Medulla |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  | X                |                  |                  |                  |                  |                  |                  |                  |                  |                  |                       |                      |  |
| Nose  | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                     |                      |  |
| Trachea   | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                     |                      |  |
| <b>SPECIAL SENSES SYSTEM</b>                            |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                       |                      |  |
| Eye   | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                     |                      |  |

\* .. Total animals with tissue examined microscopically; Total animals with tumor  
 + .. Tissue examined microscopically  
 X .. Lesion present  
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 Water disinfection byproducts (Bromodichloroacetic acid)  
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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                     |  | 3                        | 4 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |  |
| FISCHER 344-TACONIC RATS FEMALE |  | 3                        | 3 | 5 | 0 | 3 | 3 | 3 | 4 | 4 | 7 | 8 | 8 | 9 | 9 | 0 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |  |
| 0 mg/L                          |  | 0                        | 2 | 1 | 8 | 5 | 5 | 5 | 1 | 5 | 3 | 0 | 9 | 0 | 4 | 9 | 4 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |   |  |
| ANIMAL ID                       |  | 0                        | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  |
|                                 |  | 4                        | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |  |
|                                 |  | 5                        | 0 | 4 | 0 | 1 | 3 | 4 | 3 | 3 | 3 | 0 | 2 | 5 | 2 | 2 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 2 | 2 |   |  |
|                                 |  | 4                        | 1 | 8 | 2 | 6 | 5 | 9 | 4 | 0 | 1 | 3 | 0 | 6 | 3 | 5 | 4 | 4 | 5 | 9 | 0 | 7 | 8 | 9 | 1 | 2 |  |
|                                 |  | <b>females (cont...)</b> |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |
| Harderian Gland                 |  | +                        | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |  |
| <b>URINARY SYSTEM</b>           |  |                          |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |
| Kidney                          |  | +                        | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |  |
| Urinary Bladder                 |  | +                        | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |  |
| <b>SYSTEMIC LESIONS</b>         |  |                          |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |
| Multiple Organ                  |  | +                        | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |  |
| Leukemia Mononuclear            |  |                          |   | X |   |   |   |   |   | X | X |   | X |   | X |   | X |   |   |   |   |   |   |   |   |   |  |

\* .. Total animals with tissue examined microscopically; Total animals with tumor  
 + .. Tissue examined microscopically  
 X .. Lesion present  
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| FISCHER 344-TACONIC RATS<br>FEMALE<br>0 mg/L | DAY ON TEST |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | * TOTALS |
|--|-------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|----------|
|  | 0727        | 0727 | 0727 | 0727 | 0727 | 0727 | 0727 | 0727 | 0727 | 0727 | 0727 | 0727 | 0727 | 0727 | 0727 | 0727 | 0727 | 0727 | 0727 | 0727 | 0727 | 0727 | 0727 | 0727 |          |
| ANIMAL ID                                    | 0044        | 0044 | 0045 | 0046 | 0046 | 0046 | 0046 | 0046 | 0046 | 0046 | 0046 | 0046 | 0046 | 0046 | 0046 | 0046 | 0046 | 0046 | 0046 | 0046 | 0046 | 0046 | 0046 | 0046 | 0046     |
|  | 0           | 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        |
|  | 2           | 2    | 2    | 2    | 2    | 2    | 2    | 2    | 2    | 2    | 2    | 2    | 2    | 2    | 2    | 2    | 2    | 2    | 2    | 2    | 2    | 2    | 2    | 2    | 2        |
|  | 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        |

**ALIMENTARY SYSTEM**

|                                    |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |         |
|------------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---------|
| Esophagus                          | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50      |
| Intestine Large, Cecum             | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50      |
| Intestine Large, Colon             | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50      |
| Intestine Large, Rectum<br>Adenoma | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50<br>1 |
| Intestine Small, Duodenum          | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50      |
| Intestine Small, Ileum             | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50      |
| Intestine Small, Jejunum           | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50      |
| Liver<br>Hemangioma                | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50<br>1 |
| Mesentery                          |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 3       |
| Pancreas                           | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50      |
| Salivary Glands                    | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50      |
| Stomach, Forestomach               | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50      |
| Stomach, Glandular                 | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50      |
| Tongue                             | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50      |

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

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

Experiment Number: 96014 - 05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F344/N Tac

**P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)**  
 Water disinfection byproducts (Bromodichloroacetic acid)  
 CAS Number: 71133-14-7

Date Report Requested: 03/05/2013  
 Time Report Requested: 08:02:51  
 First Dose M/F: 10/26/06 / 10/27/06  
 Lab: BAT

| FISCHER 344-TACONIC RATS<br>FEMALE<br>0 mg/L | DAY ON TEST |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | * TOTALS |      |      |      |
|--|-------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|----------|------|------|------|
|  | 07          | 07   | 07   | 07   | 07   | 07   | 07   | 07   | 07   | 07   | 07   | 07   | 07   | 07   | 07   | 07   | 07   | 07   | 07   | 07   |          | 07   |      |      |
| ANIMAL ID                                    | 0044        | 0044 | 0045 | 0046 | 0047 | 0048 | 0049 | 0050 | 0051 | 0052 | 0053 | 0054 | 0055 | 0056 | 0057 | 0058 | 0059 | 0060 | 0061 | 0062 | 0063     | 0064 | 0065 | 0066 |
|  | 7           | 7    | 7    | 7    | 7    | 8    | 8    | 8    | 8    | 8    | 8    | 8    | 8    | 8    | 8    | 8    | 8    | 8    | 8    | 8    | 8        | 8    | 8    | 8    |

**CARDIOVASCULAR SYSTEM**

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

**ENDOCRINE SYSTEM**

|                            |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |
|----------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|
| Adrenal Cortex             | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Adrenal Medulla            | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Pheochromocytoma Benign    |   |   | X |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1  |
| Pheochromocytoma Malignant |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1  |
| Islets, Pancreatic         | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Adenoma                    |   |   |   | X |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1  |
| Parathyroid Gland          | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | 47 |
| Pituitary Gland            | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Pars Distalis, Adenoma     |   |   |   | X |   |   |   | X |   | X | X |   |   | X |   |   | X | X |   |   | X | X |   | 23 |
| Thyroid Gland              | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| C-cell, Adenoma            | X | X |   |   |   |   |   | X |   |   |   |   |   |   |   | X | X | X |   |   |   |   |   | 11 |

**GENERAL BODY SYSTEM**

NONE

**GENITAL SYSTEM**

|                |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |
|----------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|
| Clitoral Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
|----------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|

\* .. 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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Experiment Number: 96014 - 05  
 Test Type: CHRONIC  
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**P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)**  
 Water disinfection byproducts (Bromodichloroacetic acid)  
 CAS Number: 71133-14-7

Date Report Requested: 03/05/2013  
 Time Report Requested: 08:02:51  
 First Dose M/F: 10/26/06 / 10/27/06  
 Lab: BAT

| FISCHER 344-TACONIC RATS<br>FEMALE<br>0 mg/L | DAY ON TEST      |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |    | * TOTALS |
|--|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|----|----------|
|  | 0<br>7           | 0<br>7           | 0<br>7           | 0<br>7           | 0<br>7           | 0<br>7           | 0<br>7           | 0<br>7           | 0<br>7           | 0<br>7           | 0<br>7           | 0<br>7           | 0<br>7           | 0<br>7           | 0<br>7           | 0<br>7           | 0<br>7           | 0<br>7           | 0<br>7           | 0<br>7           | 0<br>7           | 0<br>7           | 0<br>7           |    |          |
| ANIMAL ID                                    | 0<br>4<br>4<br>6 | 0<br>4<br>4<br>7 | 0<br>4<br>5<br>0 | 0<br>4<br>6<br>4 | 0<br>4<br>6<br>5 | 0<br>4<br>6<br>6 | 0<br>4<br>2<br>6 | 0<br>4<br>2<br>7 | 0<br>4<br>2<br>8 | 0<br>4<br>2<br>9 | 0<br>4<br>3<br>2 | 0<br>4<br>3<br>3 | 0<br>4<br>4<br>1 | 0<br>4<br>4<br>2 | 0<br>4<br>4<br>3 | 0<br>4<br>4<br>4 | 0<br>4<br>5<br>5 | 0<br>4<br>5<br>1 | 0<br>4<br>5<br>2 | 0<br>4<br>5<br>3 | 0<br>4<br>5<br>5 | 0<br>4<br>5<br>7 | 0<br>4<br>5<br>8 |    |          |
| Adenoma                                      |                  |                  | X                |                  |                  |                  | X                |                  |                  |                  |                  |                  |                  |                  | X                | X                |                  |                  |                  | X                |                  |                  |                  | 7  |          |
| Carcinoma                                    |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  | X                |                  |                  |                  |                  |                  |                  |                  |                  | 1  |          |
| Bilateral, Adenoma                           |                  |                  |                  |                  |                  |                  |                  |                  |                  | X                |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  | 1  |          |
| Ovary  | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | 50 |          |
| Uterus                                       | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | 50 |          |
| Deciduoma Nos                                |                  |                  |                  |                  |                  |                  |                  |                  |                  | X                |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  | 1  |          |
| Fibrous Histiocytoma                         |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  | 1  |          |
| Leiomyosarcoma                               |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  | 1  |          |
| Polyp Stromal                                |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  | X                |                  |                  |                  | 3  |          |
| Polyp Stromal, Multiple                      |                  |                  |                  |                  |                  |                  |                  |                  |                  | X                |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  | 1  |          |
| Sarcoma Stromal                              |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  | 1  |          |
| Vagina                                       |                  |                  |                  |                  |                  |                  |                  |                  |                  | +                |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  | 1  |          |
| <b>HEMATOPOIETIC SYSTEM</b>                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |    |          |
| Bone Marrow                                  | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | 50 |          |
| Lymph Node                                   |                  |                  |                  |                  |                  |                  |                  |                  | +                |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  | 4  |          |
| Lymph Node, Mandibular                       | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | 50 |          |
| Lymph Node, Mesenteric                       | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | 50 |          |
| Spleen                                       | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | 50 |          |
| Thymus                                       | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | 48 |          |
| Thymoma Malignant                            |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  | 1  |          |
| <b>INTEGUMENTARY SYSTEM</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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Experiment Number: 96014 - 05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F344/N Tac

**P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)**

Water disinfection byproducts (Bromodichloroacetic acid)

CAS Number: 71133-14-7

Date Report Requested: 03/05/2013

Time Report Requested: 08:02:51

First Dose M/F: 10/26/06 / 10/27/06

Lab: BAT

| FISCHER 344-TACONIC RATS<br>FEMALE<br>0 mg/L            | DAY ON TEST |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | * TOTALS |  |  |
|---|-------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|----------|--|--|
|   | 0727        | 0727 | 0727 | 0727 | 0727 | 0727 | 0727 | 0727 | 0727 | 0727 | 0727 | 0727 | 0727 | 0727 | 0727 | 0727 | 0727 | 0727 | 0727 | 0727 | 0727 | 0727 | 0727 | 0727 |          |  |  |
| ANIMAL ID   | 0044        | 0044 | 0045 | 0046 | 0046 | 0046 | 0046 | 0046 | 0046 | 0046 | 0046 | 0046 | 0046 | 0046 | 0046 | 0046 | 0046 | 0046 | 0046 | 0046 | 0046 | 0046 | 0046 | 0046 |          |  |  |
| Mammary Gland   | +           | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | 50       |  |  |
| Adenoma   |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | 1        |  |  |
| Fibroadenoma  | X           | X    | X    |      |      |      |      |      |      | X    | X    | X    |      |      |      | X    |      |      | X    | X    | X    |      |      |      | 22       |  |  |
| Fibroadenoma, Multiple                                  |             |      |      |      |      |      |      |      | X    |      |      |      |      | X    |      |      |      |      | X    |      |      |      |      |      | 6        |  |  |
| Skin  | +           | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | 50       |  |  |
| Subcutaneous Tissue, Fibroma                            |             |      | X    |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | 2        |  |  |
| Subcutaneous Tissue, Lipoma                             |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | 2        |  |  |
| <b>MUSCULOSKELETAL SYSTEM</b>                           |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |          |  |  |
| Bone  | +           | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | 50       |  |  |
| <b>NERVOUS SYSTEM</b>                                   |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |          |  |  |
| Brain   | +           | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | 50       |  |  |
| Glioma  |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | 1        |  |  |
| <b>RESPIRATORY SYSTEM</b>                               |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |          |  |  |
| Lung  | +           | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | 50       |  |  |
| Pheochromocytoma Malignant, Metastatic, Adrenal Medulla |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | 1        |  |  |
| Nose  | +           | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | 50       |  |  |
| Trachea   | +           | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | 50       |  |  |
| <b>SPECIAL SENSES SYSTEM</b>                            |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |          |  |  |
| Eye   | +           | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | 50       |  |  |

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 Lab: BAT

|  |                 | DAY ON TEST           |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | * TOTALS              |                       |                       |    |
|--|-----------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|----|
|  |                 | 0<br>7<br>2<br>7      | 0<br>7<br>2<br>7      | 0<br>7<br>2<br>7      | 0<br>7<br>2<br>7      | 0<br>7<br>2<br>7      | 0<br>7<br>2<br>7      | 0<br>7<br>2<br>7      | 0<br>7<br>2<br>7      | 0<br>7<br>2<br>8      | 0<br>7<br>2<br>8      | 0<br>7<br>2<br>8      | 0<br>7<br>2<br>8      | 0<br>7<br>2<br>8      | 0<br>7<br>2<br>8      | 0<br>7<br>2<br>8      | 0<br>7<br>2<br>8      | 0<br>7<br>2<br>8      | 0<br>7<br>2<br>8      | 0<br>7<br>2<br>8      | 0<br>7<br>2<br>8      |                       | 0<br>7<br>2<br>8      |                       |    |
| FISCHER 344-TACONIC RATS<br>FEMALE<br>0 mg/L | ANIMAL ID       | 0<br>0<br>4<br>4<br>6 | 0<br>0<br>4<br>4<br>7 | 0<br>0<br>4<br>4<br>0 | 0<br>0<br>4<br>6<br>4 | 0<br>0<br>4<br>6<br>5 | 0<br>0<br>4<br>6<br>6 | 0<br>0<br>4<br>2<br>6 | 0<br>0<br>4<br>2<br>6 | 0<br>0<br>4<br>2<br>7 | 0<br>0<br>4<br>2<br>8 | 0<br>0<br>4<br>2<br>8 | 0<br>0<br>4<br>3<br>9 | 0<br>0<br>4<br>3<br>2 | 0<br>0<br>4<br>3<br>1 | 0<br>0<br>4<br>4<br>2 | 0<br>0<br>4<br>4<br>3 | 0<br>0<br>4<br>4<br>4 | 0<br>0<br>4<br>5<br>5 | 0<br>0<br>4<br>5<br>3 | 0<br>0<br>4<br>5<br>5 | 0<br>0<br>4<br>5<br>7 | 0<br>0<br>4<br>5<br>8 | 0<br>0<br>4<br>5<br>9 |    |
|  | Harderian Gland |                       | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +  |
| <b>URINARY SYSTEM</b>                        |                 |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |    |
| Kidney                                       |                 | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | 50 |
| Urinary Bladder                              |                 | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | 50 |
| <b>SYSTEMIC LESIONS</b>                      |                 |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |    |
| Multiple Organ                               |                 | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | 50                    |    |
| Leukemia Mononuclear                         |                 |                       |                       |                       | X                     | X                     | X                     | X                     | X                     | X                     | X                     | X                     | X                     | X                     | X                     | X                     | X                     | X                     | X                     | X                     |                       |                       |                       | 19                    |    |

\* .. 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

Experiment Number: 96014 - 05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F344/N Tac

**P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)**

Water disinfection byproducts (Bromodichloroacetic acid)

CAS Number: 71133-14-7

Date Report Requested: 03/05/2013

Time Report Requested: 08:02:51

First Dose M/F: 10/26/06 / 10/27/06

Lab: BAT

| FISCHER 344-TACONIC RATS<br>FEMALE<br>250 mg/L | DAY ON TEST           |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | ANIMAL ID             | females<br>(cont...) |
|--|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|----------------------|
|  | 0<br>5<br>5<br>1      | 0<br>5<br>5<br>8      | 0<br>5<br>5<br>8      | 0<br>5<br>6<br>8      | 0<br>5<br>7<br>9      | 0<br>5<br>8<br>8      | 0<br>5<br>8<br>8      | 0<br>5<br>9<br>4      | 0<br>6<br>0<br>1      | 0<br>6<br>0<br>7      | 0<br>6<br>2<br>3      | 0<br>6<br>3<br>1      | 0<br>6<br>4<br>4      | 0<br>6<br>4<br>5      | 0<br>6<br>5<br>5      | 0<br>6<br>8<br>2      | 0<br>6<br>8<br>3      | 0<br>7<br>0<br>4      | 0<br>7<br>0<br>4      | 0<br>7<br>0<br>9      | 0<br>7<br>1<br>2      | 0<br>7<br>1<br>2      | 0<br>7<br>1<br>2      | 0<br>7<br>2<br>7      |                       |                      |
|  | 0<br>0<br>5<br>5<br>8 | 0<br>0<br>5<br>5<br>8 | 0<br>0<br>5<br>5<br>9 | 0<br>0<br>5<br>3<br>6 | 0<br>0<br>5<br>4<br>1 | 0<br>0<br>5<br>4<br>6 | 0<br>0<br>5<br>4<br>6 | 0<br>0<br>5<br>6<br>3 | 0<br>0<br>5<br>2<br>9 | 0<br>0<br>5<br>1<br>7 | 0<br>0<br>5<br>4<br>9 | 0<br>0<br>5<br>5<br>1 | 0<br>0<br>5<br>5<br>9 | 0<br>0<br>5<br>5<br>0 | 0<br>0<br>5<br>4<br>2 | 0<br>0<br>5<br>6<br>0 | 0<br>0<br>5<br>5<br>4 | 0<br>0<br>5<br>5<br>8 | 0<br>0<br>5<br>5<br>6 | 0<br>0<br>5<br>5<br>1 | 0<br>0<br>5<br>5<br>1 | 0<br>0<br>5<br>0<br>0 | 0<br>0<br>5<br>1<br>6 | 0<br>0<br>5<br>6<br>2 | 0<br>0<br>5<br>7<br>7 |                      |

**ALIMENTARY SYSTEM**

|                                     |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|-------------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Esophagus                           | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Large, Cecum              | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Large, Colon              | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Large, Rectum             | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Small, Duodenum           | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Small, Ileum              | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Small, Jejunum<br>Sarcoma | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | X | + | + | + | + | + | + | + |
| Liver                               | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Mesentery                           |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | + |
| Pancreas                            | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Salivary Glands                     | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Stomach, Forestomach                | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Stomach, Glandular                  | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Tongue<br>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





Experiment Number: 96014 - 05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F344/N Tac

**P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)**

Water disinfection byproducts (Bromodichloroacetic acid)

CAS Number: 71133-14-7

Date Report Requested: 03/05/2013  
 Time Report Requested: 08:02:51  
 First Dose M/F: 10/26/06 / 10/27/06  
 Lab: BAT

| FISCHER 344-TACONIC RATS<br>FEMALE<br>250 mg/L | 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 | females<br>(cont...)             |  |
|--|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------|----------------------------------|--|
|  |             | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |           |                                  |  |
|  |             | 5 | 8 | 5 | 6 | 7 | 8 | 8 | 9 | 0 | 0 | 2 | 3 | 4 | 4 | 5 | 8 | 9 | 0 | 0 | 0 | 1 | 1 | 1 | 2         | 00551896414639791450246548861010 |  |

|   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Clitoral Gland Adenoma                    | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | X | X |   |
| Ovary                                     | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |   |   |   |
| Uterus Polyp Stromal Endometrium, Adenoma | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | X | X | X |

**HEMATOPOIETIC SYSTEM**

|                        |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Bone Marrow            | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |   |
| Lymph Node             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | + |
| Lymph Node, Mandibular | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |   |
| Lymph Node, Mesenteric | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |   |
| Spleen                 | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |   |
| Thymus                 | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + |   |

**INTEGUMENTARY SYSTEM**

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

\* .. 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

Experiment Number: 96014 - 05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F344/N Tac

**P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)**  
 Water disinfection byproducts (Bromodichloroacetic acid)  
**CAS Number: 71133-14-7**

Date Report Requested: 03/05/2013  
 Time Report Requested: 08:02:51  
 First Dose M/F: 10/26/06 / 10/27/06  
 Lab: BAT

| DAY ON TEST                                    | ANIMAL ID        |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  | females<br>(cont...) |                  |   |  |
|--|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|----------------------|------------------|---|--|
|  | 0<br>5<br>5<br>1 | 0<br>5<br>5<br>8 | 0<br>5<br>5<br>8 | 0<br>5<br>5<br>8 | 0<br>5<br>5<br>9 | 0<br>5<br>5<br>8 | 0<br>5<br>5<br>8 | 0<br>5<br>5<br>8 | 0<br>5<br>5<br>4 | 0<br>5<br>5<br>1 | 0<br>5<br>5<br>7 | 0<br>5<br>5<br>3 | 0<br>5<br>5<br>1 | 0<br>5<br>5<br>5 | 0<br>5<br>5<br>5 | 0<br>5<br>5<br>2 | 0<br>5<br>5<br>3 | 0<br>5<br>5<br>3 | 0<br>5<br>5<br>4 | 0<br>5<br>5<br>4 | 0<br>5<br>5<br>9 | 0<br>5<br>5<br>2 | 0<br>5<br>5<br>2 | 0<br>5<br>5<br>2 |                      | 0<br>5<br>5<br>7 |   |  |
| FISCHER 344-TACONIC RATS<br>FEMALE<br>250 mg/L | 0                | 0                | 0                | 0                | 0                | 0                | 0                | 0                | 0                | 0                | 0                | 0                | 0                | 0                | 0                | 0                | 0                | 0                | 0                | 0                | 0                | 0                | 0                | 0                | 0                    | 0                | 0 |  |

**MUSCULOSKELETAL SYSTEM**

|                                  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Bone                             | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Skeletal Muscle Rhabdomyosarcoma |   |   |   |   |   |   |   |   |   |   |   |   |   | + | X |   |   |   |   |   |   |   |   |   |   |   |   |   |

**NERVOUS SYSTEM**

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

**RESPIRATORY SYSTEM**

|   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Lung  | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |   |
| Alveolar/Bronchiolar Adenoma                            |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Pheochromocytoma Malignant, Metastatic, Adrenal Medulla |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | X |
| Nose  | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |   |
| Trachea   | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |   |

**SPECIAL SENSES SYSTEM**

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

**URINARY 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

Experiment Number: 96014 - 05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F344/N Tac

**P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)**  
 Water disinfection byproducts (Bromodichloroacetic acid)  
 CAS Number: 71133-14-7

Date Report Requested: 03/05/2013  
 Time Report Requested: 08:02:51  
 First Dose M/F: 10/26/06 / 10/27/06  
 Lab: BAT

| FISCHER 344-TACONIC RATS<br>FEMALE<br>250 mg/L | DAY ON TEST |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     | ANIMAL ID | females<br>(cont...) |
|--|-------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----------|----------------------|
|  | 051         | 058 | 058 | 058 | 059 | 058 | 058 | 054 | 051 | 057 | 053 | 051 | 055 | 055 | 052 | 053 | 053 | 054 | 054 | 059 | 052 | 052 | 052 | 057 |           |                      |
|  | 005         | 005 | 005 | 005 | 005 | 005 | 005 | 005 | 006 | 006 | 006 | 006 | 006 | 006 | 006 | 006 | 006 | 006 | 007 | 007 | 007 | 007 | 007 | 007 |           |                      |
|  | 551         | 558 | 558 | 558 | 559 | 558 | 558 | 554 | 551 | 557 | 553 | 551 | 555 | 555 | 552 | 553 | 553 | 554 | 554 | 559 | 552 | 552 | 552 | 557 |           |                      |
|  | 005         | 005 | 005 | 005 | 005 | 005 | 005 | 005 | 005 | 005 | 005 | 005 | 005 | 005 | 005 | 005 | 005 | 005 | 005 | 005 | 005 | 005 | 005 | 005 |           |                      |
|  | 558         | 558 | 559 | 556 | 553 | 554 | 556 | 553 | 559 | 557 | 559 | 551 | 559 | 550 | 552 | 554 | 556 | 554 | 558 | 556 | 551 | 551 | 550 | 557 |           |                      |

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

**SYSTEMIC LESIONS**

|                      |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|----------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Multiple Organ       | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Histiocytic Sarcoma  |   |   |   |   |   |   |   |   |   | X |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Leukemia Mononuclear |   |   |   |   |   |   |   | X |   |   |   |   |   | X |   |   | X | X |   | X | X |   | X | X |

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

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

Experiment Number: 96014 - 05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F344/N Tac

**P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)**  
 Water disinfection byproducts (Bromodichloroacetic acid)  
 CAS Number: 71133-14-7

Date Report Requested: 03/05/2013  
 Time Report Requested: 08:02:51  
 First Dose M/F: 10/26/06 / 10/27/06  
 Lab: BAT

|                                 |                  | DAY ON TEST |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | * TOTALS |    |
|---------------------------------|------------------|-------------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----------|----|
|                                 |                  | 07          | 07 | 07 | 07 | 07 | 07 | 07 | 07 | 07 | 07 | 07 | 07 | 07 | 07 | 07 | 07 | 07 | 07 | 07 | 07 |          | 07 |
| <b>FISCHER 344-TACONIC RATS</b> | <b>FEMALE</b>    | 27          | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27       | 27 |
|                                 |                  | 7           | 7  | 7  | 7  | 7  | 7  | 7  | 7  | 7  | 7  | 7  | 7  | 7  | 7  | 7  | 7  | 7  | 7  | 7  | 7  | 7        | 7  |
| <b>250 mg/L</b>                 | <b>ANIMAL ID</b> | 00          | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00       | 00 |
|                                 |                  | 51          | 51 | 53 | 53 | 54 | 54 | 54 | 54 | 55 | 55 | 55 | 55 | 55 | 55 | 55 | 55 | 55 | 55 | 55 | 55 | 55       | 55 |
|                                 |                  | 69          | 69 | 64 | 65 | 63 | 64 | 64 | 65 | 67 | 60 | 62 | 63 | 65 | 65 | 62 | 63 | 64 | 65 | 67 | 68 | 63       | 67 |

**ALIMENTARY SYSTEM**

|                           |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |
|---------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|
| Esophagus                 | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Intestine Large, Cecum    | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Intestine Large, Colon    | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Intestine Large, Rectum   | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Intestine Small, Duodenum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Intestine Small, Ileum    | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Intestine Small, Jejunum  | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Sarcoma                   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1  |
| Liver                     | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Mesentery                 |   |   |   |   |   |   |   | + |   |   |   | + |   |   |   |   |   |   |   |   |   |   |   | 4  |
| Pancreas                  | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Salivary Glands           | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Stomach, Forestomach      | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Stomach, Glandular        | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Tongue                    | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Squamous Cell Papilloma   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 2  |

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

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

Experiment Number: 96014 - 05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F344/N Tac

**P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)**  
 Water disinfection byproducts (Bromodichloroacetic acid)  
 CAS Number: 71133-14-7

Date Report Requested: 03/05/2013  
 Time Report Requested: 08:02:51  
 First Dose M/F: 10/26/06 / 10/27/06  
 Lab: BAT

|   |           | DAY ON TEST |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |                 |  |
|---|-----------|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------------|--|
| <b>FISCHER 344-TACONIC RATS</b><br><b>FEMALE</b><br><b>250 mg/L</b> |           | 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               |  |
|   |           | 2           | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2               |  |
|   |           | 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 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 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 |                 |  |
|   |           | 1           | 1 | 3 | 3 | 4 | 4 | 4 | 4 | 5 | 5 | 5 | 5 | 0 | 0 | 0 | 2 | 2 | 3 | 3 | 3 | 4 |                 |  |
|   |           | 6           | 9 | 4 | 5 | 3 | 4 | 4 | 5 | 7 | 0 | 2 | 3 | 5 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |                 |  |
|   |           |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | <b>* TOTALS</b> |  |

**CARDIOVASCULAR SYSTEM**

|                      |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |           |
|----------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------|
| Blood Vessel         | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | <b>50</b> |
| Heart                | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | <b>50</b> |
| Schwannoma Malignant |   |   |   |   |   |   |   |   |   |   |   |   | X |   |   |   |   |   |   |   |   |   |   | <b>1</b>  |

**ENDOCRINE SYSTEM**

|                            |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |           |
|----------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------|
| Adrenal Cortex             | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | <b>50</b> |
| Adrenal Medulla            | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | <b>50</b> |
| Pheochromocytoma Benign    |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | <b>1</b>  |
| Pheochromocytoma Malignant |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | <b>1</b>  |
| Islets, Pancreatic         | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | <b>50</b> |
| Carcinoma                  |   |   |   |   |   |   |   |   |   |   |   |   | X |   |   |   |   |   |   |   |   |   |   | <b>1</b>  |
| Parathyroid Gland          | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | <b>46</b> |
| Pituitary Gland            | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | <b>50</b> |
| Pars Distalis, Adenoma     |   |   | X | X | X | X |   |   |   |   | X |   |   | X |   |   | X | X | X | X | X |   | X | <b>20</b> |
| Thyroid Gland              | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | <b>50</b> |
| C-cell, Adenoma            |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | X |   |   |   | X |   | X | <b>10</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  
 A .. Autolysis precludes evaluation  
 BLANK .. Not examined microscopically

Experiment Number: 96014 - 05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F344/N Tac

**P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)**

Water disinfection byproducts (Bromodichloroacetic acid)

CAS Number: 71133-14-7

Date Report Requested: 03/05/2013  
 Time Report Requested: 08:02:51  
 First Dose M/F: 10/26/06 / 10/27/06  
 Lab: BAT

| FISCHER 344-TACONIC RATS<br>FEMALE<br>250 mg/L                      | DAY ON TEST |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       | * TOTALS |  |
|---|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----------|--|
|   | 07          | 07    | 07    | 07    | 07    | 07    | 07    | 07    | 07    | 07    | 07    | 07    | 07    | 07    | 07    | 07    | 07    | 07    | 07    | 07    | 07    | 07    | 07    | 07    | 07    |          |  |
| ANIMAL ID   | 00516       | 00519 | 00534 | 00534 | 00543 | 00544 | 00545 | 00547 | 00550 | 00552 | 00553 | 00555 | 00555 | 00555 | 00555 | 00555 | 00555 | 00555 | 00555 | 00555 | 00555 | 00555 | 00555 | 00555 | 00555 |          |  |
| Clitoral Gland Adenoma  |             |       | +     | +     | +     | +     | +     |       |       |       |       |       |       |       |       | M     |       |       |       |       |       |       |       |       |       |          |  |
|   | X           |       |       |       |       |       | X     |       |       |       |       |       |       | X     |       | X     |       |       |       |       | X     |       | X     |       |       |          |  |
| Ovary   | +           | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     |          |  |
| Uterus Polyp Stromal Endometrium, Adenoma                           | +           | +     | +     | +     |       | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     |       | X     |       |          |  |
|   |             |       |       |       | X     |       |       |       |       |       |       |       | X     |       |       |       |       |       |       |       |       |       |       |       |       |          |  |
| <b>HEMATOPOIETIC SYSTEM</b>   |             |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |          |  |
| Bone Marrow   | +           | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     |          |  |
| Lymph Node  | +           |       |       |       |       |       | +     |       |       |       |       |       |       |       |       |       |       |       |       |       | +     |       |       |       |       |          |  |
| Lymph Node, Mandibular  | +           | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     |          |  |
| Lymph Node, Mesenteric  | +           | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     |          |  |
| Spleen  | +           | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     |          |  |
| Thymus  | +           | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     |          |  |
| <b>INTEGUMENTARY SYSTEM</b>   |             |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |          |  |
| Mammary Gland Adenoma Carcinoma Fibroadenoma Fibroadenoma, Multiple |             |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |          |  |
|   |             |       |       |       |       |       |       |       |       |       |       |       |       |       |       | X     | X     |       |       |       |       |       |       |       |       |          |  |
|   |             |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |          |  |
|   |             |       |       |       |       | X     |       |       |       | X     |       | X     |       | X     |       |       |       |       |       |       |       |       |       | X     |       |          |  |
|   | X           | X     | X     | X     | X     | X     |       | X     | X     | X     |       | X     | X     |       | X     | X     | X     | X     | X     | X     | X     | X     | X     | X     |       |          |  |
| Skin  | +           | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     |          |  |

\* .. Total animals with tissue examined microscopically; Total animals with tumor  
 + .. Tissue examined microscopically  
 X .. Lesion present  
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**P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)**

Water disinfection byproducts (Bromodichloroacetic acid)

CAS Number: 71133-14-7

Date Report Requested: 03/05/2013

Time Report Requested: 08:02:51

First Dose M/F: 10/26/06 / 10/27/06

Lab: BAT

| FISCHER 344-TACONIC RATS<br>FEMALE<br>250 mg/L | DAY ON TEST      |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  | * TOTALS |  |
|--|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|----------|--|
|  | 0<br>7<br>2<br>7 | 0<br>7<br>2<br>7 | 0<br>7<br>2<br>7 | 0<br>7<br>2<br>7 | 0<br>7<br>2<br>7 | 0<br>7<br>2<br>7 | 0<br>7<br>2<br>7 | 0<br>7<br>2<br>7 | 0<br>7<br>2<br>7 | 0<br>7<br>2<br>7 | 0<br>7<br>2<br>7 | 0<br>7<br>2<br>7 | 0<br>7<br>2<br>7 | 0<br>7<br>2<br>7 | 0<br>7<br>2<br>7 | 0<br>7<br>2<br>7 | 0<br>7<br>2<br>7 | 0<br>7<br>2<br>7 | 0<br>7<br>2<br>7 | 0<br>7<br>2<br>7 |          |  |
| 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        |  |
| 5  | 5                | 5                | 5                | 5                | 5                | 5                | 5                | 5                | 5                | 5                | 5                | 5                | 5                | 5                | 5                | 5                | 5                | 5                | 5                | 5                | 5        |  |
| 1  | 1                | 3                | 3                | 4                | 4                | 4                | 4                | 4                | 5                | 5                | 5                | 5                | 0                | 0                | 0                | 0                | 2                | 2                | 3                | 3                | 3        |  |
| 6  | 9                | 4                | 5                | 3                | 4                | 4                | 5                | 7                | 0                | 2                | 3                | 5                | 2                | 3                | 4                | 5                | 6                | 7                | 8                | 8                | 9        |  |
|  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |          |  |

**MUSCULOSKELETAL SYSTEM**

|                  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |
|------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|
| Bone             | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Skeletal Muscle  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1  |
| Rhabdomyosarcoma |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1  |

**NERVOUS SYSTEM**

|       |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |
|-------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|
| Brain | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
|-------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|

**RESPIRATORY SYSTEM**

|   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|
| Lung  | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Alveolar/Bronchiolar Adenoma                            |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | X |   |   | 1  |
| Pheochromocytoma Malignant, Metastatic, Adrenal Medulla |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1  |
| Nose  | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Trachea   | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |

**SPECIAL SENSES SYSTEM**

|                 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |
|-----------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|
| Eye             | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Harderian Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Lacrimal Gland  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 2  |

**URINARY 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



Experiment Number: 96014 - 05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F344/N Tac

**P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)**  
 Water disinfection byproducts (Bromodichloroacetic acid)  
 CAS Number: 71133-14-7

Date Report Requested: 03/05/2013  
 Time Report Requested: 08:02:51  
 First Dose M/F: 10/26/06 / 10/27/06  
 Lab: BAT

| FISCHER 344-TACONIC RATS<br>FEMALE<br>250 mg/L | 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 | * TOTALS |
|--|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----------|
|  | 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 | 7 | 7 |          |
|  |             | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |          |
|  |             | 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 |          |
|  |             | 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 |          |
|  |             | 1 | 1 | 3 | 3 | 4 | 4 | 4 | 4 | 5 | 5 | 5 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 2 | 3 | 3 | 3 | 3 | 4 | 5 | 5 |          |
|  |             | 6 | 9 | 4 | 5 | 3 | 4 | 4 | 5 | 7 | 0 | 2 | 3 | 5 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 8 | 0 | 7 | 8 | 9 | 0 | 7 |          |
| Kidney   |             | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50       |
| Urinary Bladder                                |             | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50       |
| <b>SYSTEMIC LESIONS</b>                        |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |          |
| Multiple Organ                                 |             | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50       |
| Histiocytic Sarcoma                            |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1        |
| Leukemia Mononuclear                           |             |   | X |   |   |   |   | X | X | X | X |   | X |   |   |   |   | X | X | X |   |   |   |   |   | X |   |   | 17       |

\* .. 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

Experiment Number: 96014 - 05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F344/N Tac

**P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)**

Water disinfection byproducts (Bromodichloroacetic acid)

CAS Number: 71133-14-7

Date Report Requested: 03/05/2013

Time Report Requested: 08:02:51

First Dose M/F: 10/26/06 / 10/27/06

Lab: BAT

| FISCHER 344-TACONIC RATS<br>FEMALE<br>500 mg/L | 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 | ANIMAL ID | females<br>(cont...) |   |
|--|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------|----------------------|---|
|  |             | 3 | 3 | 4 | 4 | 4 | 4 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |           |                      | 6 |
|  |             | 3 | 8 | 2 | 4 | 9 | 9 | 3 | 6 | 6 | 6 | 6 | 6 | 7 | 7 | 8 | 8 | 9 | 0 | 0 | 2 | 2 | 2 | 3 | 3 | 3         | 6                    |   |
|  |             | 4 | 6 | 9 | 9 | 4 | 8 | 3 | 1 | 1 | 1 | 4 | 8 | 4 | 4 | 8 | 8 | 4 | 1 | 9 | 0 | 0 | 0 | 1 | 1 | 5         | 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 | 0 | 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                    |   |
|  |             | 1 | 5 | 1 | 5 | 0 | 6 | 4 | 5 | 5 | 6 | 5 | 5 | 4 | 5 | 2 | 4 | 1 | 4 | 6 | 3 | 1 | 0 | 1 | 3 | 4         | 4                    |   |
|  |             | 8 | 9 | 7 | 7 | 8 | 0 | 6 | 9 | 2 | 3 | 5 | 8 | 0 | 1 | 6 | 8 | 5 | 0 | 6 | 4 | 6 | 6 | 9 | 6 | 6         | 6                    |   |

**ALIMENTARY SYSTEM**

|                                    |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|------------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Esophagus                          | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |   |
| Intestine Large, Cecum             | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |   |
| Intestine Large, Colon             | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |   |
| Intestine Large, Rectum<br>Adenoma | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |   |
| Intestine Small, Duodenum          | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |   |
| Intestine Small, Ileum             | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |   |
| Intestine Small, Jejunum           | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |   |
| Liver<br>Hepatocellular Adenoma    | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | X |
| Mesentery                          |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | + |
| Pancreas                           | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |   |
| Salivary Glands                    | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |   |
| Stomach, Forestomach               | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |   |
| Stomach, Glandular                 | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |   |
| Tongue<br>Squamous Cell Carcinoma  | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 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

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Water disinfection byproducts (Bromodichloroacetic acid)

CAS Number: 71133-14-7

Date Report Requested: 03/05/2013

Time Report Requested: 08:02:51

First Dose M/F: 10/26/06 / 10/27/06

Lab: BAT

| FISCHER 344-TACONIC RATS<br>FEMALE<br>500 mg/L | DAY ON TEST      |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                       | ANIMAL ID | females<br>(cont...) |
|--|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|-----------------------|-----------|----------------------|
|  | 0<br>3<br>3<br>4 | 0<br>3<br>8<br>6 | 0<br>4<br>2<br>9 | 0<br>4<br>4<br>9 | 0<br>4<br>9<br>4 | 0<br>4<br>9<br>8 | 0<br>5<br>3<br>3 | 0<br>5<br>6<br>1 | 0<br>5<br>6<br>1 | 0<br>5<br>6<br>1 | 0<br>5<br>6<br>4 | 0<br>5<br>6<br>8 | 0<br>5<br>7<br>4 | 0<br>5<br>7<br>4 | 0<br>5<br>8<br>8 | 0<br>5<br>9<br>4 | 0<br>6<br>0<br>1 | 0<br>6<br>0<br>9 | 0<br>6<br>2<br>0 | 0<br>6<br>2<br>3 | 0<br>6<br>2<br>8 | 0<br>6<br>3<br>1 | 0<br>6<br>3<br>1 | 0<br>6<br>3<br>5      |           |                      |
|  | 0                | 0                | 0                | 0                | 0                | 0                | 0                | 0                | 0                | 0                | 0                | 0                | 0                | 0                | 0                | 0                | 0                | 0                | 0                | 0                | 0                | 0                | 0                | 0<br>0<br>6<br>1<br>8 |           |                      |

**CARDIOVASCULAR SYSTEM**

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

**ENDOCRINE SYSTEM**

|   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Adrenal Cortex<br>Adenoma   | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Adrenal Medulla<br>Pheochromocytoma Benign  | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Islets, Pancreatic  | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Parathyroid Gland   | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Pituitary Gland<br>Pars Distalis, Adenoma   | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M |
| Thyroid Gland<br>C-cell, Adenoma<br>C-cell, Carcinoma<br>Follicular 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  
 A .. Autolysis precludes evaluation  
 BLANK .. Not examined microscopically



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Lab: BAT

| FISCHER 344-TACONIC RATS<br>FEMALE<br>500 mg/L | DAY ON TEST      |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  | ANIMAL ID | females<br>(cont...) |                  |                  |                  |                  |                  |  |
|--|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|-----------|----------------------|------------------|------------------|------------------|------------------|------------------|--|
|  | 0<br>3<br>3<br>4 | 0<br>3<br>8<br>6 | 0<br>4<br>2<br>9 | 0<br>4<br>4<br>9 | 0<br>4<br>9<br>4 | 0<br>4<br>9<br>8 | 0<br>5<br>3<br>1 | 0<br>5<br>6<br>1 | 0<br>5<br>6<br>1 | 0<br>5<br>6<br>1 | 0<br>5<br>6<br>4 | 0<br>5<br>6<br>8 | 0<br>5<br>7<br>4 | 0<br>5<br>7<br>4 | 0<br>5<br>8<br>8 | 0<br>5<br>8<br>8 | 0<br>6<br>9<br>4 | 0<br>6<br>0<br>1 | 0<br>6<br>0<br>9 | 0<br>6<br>2<br>0 |           |                      | 0<br>6<br>2<br>3 | 0<br>6<br>2<br>8 | 0<br>6<br>3<br>1 | 0<br>6<br>3<br>1 | 0<br>6<br>3<br>5 |  |
|  | 0                | 0                | 0                | 0                | 0                | 0                | 0                | 0                | 0                | 0                | 0                | 0                | 0                | 0                | 0                | 0                | 0                | 0                | 0                | 0                | 0         | 0                    | 0                | 0                | 0                | 0                | 0                |  |
|  | 0                | 0                | 0                | 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                |  |
|  | 1                | 5                | 1                | 5                | 0                | 6                | 4                | 5                | 5                | 6                | 5                | 5                | 4                | 5                | 2                | 4                | 1                | 4                | 6                | 3                | 1         | 0                    | 1                | 3                | 4                | 6                |                  |  |
|  | 8                | 9                | 7                | 7                | 8                | 0                | 9                | 2                | 3                | 5                | 8                | 0                | 1                | 6                | 8                | 5                | 0                | 6                | 4                | 6                | 6         | 9                    | 5                | 6                | 6                | 6                |                  |  |

Fibroadenoma, Multiple

X X

Skin

+ +

Subcutaneous Tissue, Fibroma

X X X

**MUSCULOSKELETAL SYSTEM**

Bone

+ +

**NERVOUS SYSTEM**

Brain

+ +

Glioma

X X

Oligodendroglioma Nos

Spinal Cord

+

**RESPIRATORY SYSTEM**

Lung

+ +

Carcinoma, Metastatic, Mammary Gland

Nose

+ +

Trachea

+ +

**SPECIAL SENSES SYSTEM**

Eye

+ +

Harderian Gland

+ +

**URINARY 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  
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**Species/Strain:** RATS/F344/N Tac

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**Lab:** BAT

| FISCHER 344-TACONIC RATS<br>FEMALE<br>500 mg/L | DAY ON TEST |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |                      |     |
|--|-------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----------------------|-----|
|  | 034         | 036 | 039 | 044 | 049 | 053 | 055 | 056 | 061 | 062 | 065 | 066 | 067 | 071 | 072 | 075 | 076 | 081 | 082 | 085 |                      | 086 |
|  | ANIMAL ID   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     | females<br>(cont...) |     |
|  | 006         | 006 | 006 | 006 | 006 | 006 | 006 | 006 | 006 | 006 | 006 | 006 | 006 | 006 | 006 | 006 | 006 | 006 | 006 | 006 |                      | 006 |
|  | 158         | 157 | 157 | 158 | 150 | 154 | 152 | 155 | 153 | 155 | 158 | 150 | 154 | 156 | 158 | 155 | 154 | 156 | 153 | 151 |                      | 155 |
|  | 8           | 9   | 7   | 7   | 8   | 0   | 9   | 2   | 3   | 5   | 8   | 0   | 1   | 6   | 8   | 5   | 0   | 6   | 4   | 0   |                      | 6   |
| Kidney   | +           | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +                    |     |
| Urinary Bladder                                | +           | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +                    |     |
| <b>SYSTEMIC LESIONS</b>                        |             |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |                      |     |
| Multiple Organ Leukemia Mononuclear            | +           | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +                    |     |
|  |             |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     | X                    |     |

\* .. Total animals with tissue examined microscopically; Total animals with tumor  
 + .. Tissue examined microscopically  
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| FISCHER 344-TACONIC RATS<br>FEMALE<br>500 mg/L | DAY ON TEST |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       | * TOTALS |
|--|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----------|
|  | 0635        | 0641  | 0663  | 0664  | 0665  | 0665  | 0666  | 0666  | 0666  | 0666  | 0666  | 0666  | 0666  | 0666  | 0666  | 0666  | 0666  | 0666  | 0666  | 0666  | 0666  | 0666  | 0666  | 0666  |          |
| ANIMAL ID                                      | 00654       | 00663 | 00663 | 00664 | 00665 | 00665 | 00666 | 00666 | 00666 | 00666 | 00666 | 00666 | 00666 | 00666 | 00666 | 00666 | 00666 | 00666 | 00666 | 00666 | 00666 | 00666 | 00666 | 00666 | 00666    |
|  | 0           | 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        |
|  | 3           | 4     | 4     | 4     | 4     | 4     | 4     | 5     | 5     | 5     | 5     | 5     | 5     | 5     | 6     | 6     | 7     | 9     | 0     | 1     | 2     | 2     | 2     | 2     | 2        |
|  | 5           | 1     | 3     | 3     | 5     | 5     | 5     | 0     | 6     | 6     | 6     | 6     | 6     | 3     | 3     | 3     | 8     | 4     | 5     | 7     | 7     | 7     | 7     | 7     | 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     | 0        |
|  | 0           | 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        |
|  | 5           | 3     | 3     | 4     | 2     | 5     | 6     | 3     | 0     | 0     | 2     | 3     | 3     | 5     | 0     | 2     | 4     | 4     | 0     | 3     | 3     | 2     | 3     | 4     | 4        |
|  | 4           | 6     | 3     | 8     | 0     | 5     | 4     | 1     | 5     | 9     | 9     | 2     | 8     | 1     | 4     | 7     | 7     | 2     | 7     | 9     | 3     | 6     | 3     | 4     | 4        |

**ALIMENTARY SYSTEM**

|                                    |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |         |
|------------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---------|
| Esophagus                          | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50      |
| Intestine Large, Cecum             | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50      |
| Intestine Large, Colon             | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50      |
| Intestine Large, Rectum<br>Adenoma | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50<br>1 |
| Intestine Small, Duodenum          | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50      |
| Intestine Small, Ileum             | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50      |
| Intestine Small, Jejunum           | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50      |
| Liver<br>Hepatocellular Adenoma    | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50<br>2 |
| Mesentery                          |   |   |   |   | + | + |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 3       |
| Pancreas                           | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50      |
| Salivary Glands                    | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50      |
| Stomach, Forestomach               | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50      |
| Stomach, Glandular                 | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50      |
| Tongue<br>Squamous Cell Carcinoma  | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50<br>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

Experiment Number: 96014 - 05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F344/N Tac

**P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)**

Water disinfection byproducts (Bromodichloroacetic acid)

CAS Number: 71133-14-7

Date Report Requested: 03/05/2013

Time Report Requested: 08:02:51

First Dose M/F: 10/26/06 / 10/27/06

Lab: BAT

| FISCHER 344-TACONIC RATS<br>FEMALE<br>500 mg/L | 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 | * TOTALS |
|--|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----------|
|  | ANIMAL ID   | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |          |
|  |             | 3 | 4 | 4 | 4 | 4 | 4 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 6 | 6 | 7 | 9 | 0 | 1 | 2 | 2 | 2 | 2 |          |
|  |             | 5 | 1 | 3 | 3 | 5 | 5 | 5 | 0 | 6 | 6 | 6 | 6 | 6 | 3 | 3 | 3 | 8 | 4 | 5 | 7 | 7 | 7 | 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 | 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 |          |
|  |             | 5 | 3 | 3 | 4 | 2 | 5 | 6 | 3 | 0 | 0 | 2 | 3 | 3 | 5 | 0 | 2 | 4 | 4 | 0 | 3 | 3 | 2 | 3 |          |
|  |             | 4 | 6 | 3 | 8 | 0 | 5 | 4 | 1 | 5 | 9 | 2 | 8 | 1 | 4 | 7 | 7 | 7 | 2 | 7 | 9 | 6 | 3 | 4 |          |

**CARDIOVASCULAR SYSTEM**

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

**ENDOCRINE SYSTEM**

|                          |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |
|--------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|
| Adrenal Cortex           | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Adenoma                  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1  |
| Adrenal Medulla          | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Pheochromocytoma Benign  |   | X |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | X |   |   |   | 2  |
| Islets, Pancreatic       | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Parathyroid Gland        | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49 |
| Pituitary Gland          | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49 |
| Pars Distalis, Adenoma   | X |   | X |   |   |   | X |   |   |   |   |   | X |   |   | X | X |   |   |   |   |   |   | 11 |
| Thyroid Gland            | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| C-cell, Adenoma          |   |   |   |   | X |   |   |   | X |   |   |   |   |   | X |   | X |   | X |   |   |   |   | 6  |
| C-cell, Carcinoma        |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | X |   | 1  |
| Follicular Cell, Adenoma |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | X | 1  |

**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



Experiment Number: 96014 - 05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F344/N Tac

**P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)**  
 Water disinfection byproducts (Bromodichloroacetic acid)  
 CAS Number: 71133-14-7

Date Report Requested: 03/05/2013  
 Time Report Requested: 08:02:51  
 First Dose M/F: 10/26/06 / 10/27/06  
 Lab: BAT

| FISCHER 344-TACONIC RATS<br>FEMALE<br>500 mg/L | DAY ON TEST      |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  | * TOTALS |                  |                  |                  |                  |                  |                  |
|--|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|----------|------------------|------------------|------------------|------------------|------------------|------------------|
|  | 0<br>6<br>3<br>5 | 0<br>6<br>4<br>1 | 0<br>6<br>4<br>3 | 0<br>6<br>4<br>3 | 0<br>6<br>4<br>5 | 0<br>6<br>4<br>5 | 0<br>6<br>4<br>5 | 0<br>6<br>4<br>5 | 0<br>6<br>4<br>5 | 0<br>6<br>4<br>0 | 0<br>6<br>5<br>6 | 0<br>6<br>5<br>6 | 0<br>6<br>5<br>6 | 0<br>6<br>5<br>6 | 0<br>6<br>5<br>6 | 0<br>6<br>5<br>6 | 0<br>6<br>5<br>6 | 0<br>6<br>7<br>4 | 0<br>6<br>7<br>5 | 0<br>6<br>7<br>7 |          | 0<br>6<br>7<br>7 | 0<br>6<br>7<br>8 | 0<br>6<br>7<br>8 | 0<br>6<br>7<br>8 | 0<br>6<br>7<br>8 | 0<br>6<br>7<br>8 |
|  | ANIMAL ID        |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |          |                  |                  |                  |                  |                  |                  |
| Clitoral Gland Adenoma                         | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | M        | +                | +                | +                | +                | +                | 49               |
|  |                  |                  |                  | X                |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  | X                |                  |                  |                  |                  |                  | X        | X                |                  |                  |                  | 8                |                  |
| Ovary  | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +        | +                | +                | +                | +                | 50               |                  |
| Granulosa Cell Tumor Malignant                 |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |          |                  |                  |                  |                  | 1                |                  |
| Hemangiosarcoma                                |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |          |                  |                  |                  |                  | 1                |                  |
| Uterus   | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +        | +                | +                | +                | +                | 50               |                  |
| Polyp Stromal                                  |                  |                  |                  | X                |                  |                  | X                |                  |                  |                  |                  |                  |                  |                  | X                |                  |                  |                  |                  |                  |          |                  |                  |                  |                  | 8                |                  |
| Cervix, Granular Cell Tumor Nos                |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |          |                  |                  |                  |                  | 1                |                  |
| Cervix, Hemangiosarcoma                        |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |          |                  |                  |                  |                  | 1                |                  |
| <b>HEMATOPOIETIC SYSTEM</b>                    |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |          |                  |                  |                  |                  |                  |                  |
| Bone Marrow                                    | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +        | +                | +                | +                | +                | 50               |                  |
| Lymph Node                                     |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  | +                |                  |                  |                  |                  |                  |                  |                  |                  |          |                  | +                |                  |                  | 2                |                  |
| Lymph Node, Mandibular                         | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +        | +                | +                | +                | +                | 50               |                  |
| Lymph Node, Mesenteric                         | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +        | +                | +                | +                | +                | 50               |                  |
| Spleen   | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +        | +                | +                | +                | +                | 50               |                  |
| Thymus   | +                | +                | +                | +                | +                | +                | +                | +                | M                | +                | +                | +                | +                | +                | +                | +                | M                | +                | +                | +                | +        | +                | +                | +                | +                | 47               |                  |
| <b>INTEGUMENTARY SYSTEM</b>                    |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |          |                  |                  |                  |                  |                  |                  |
| Mammary Gland                                  | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +        | +                | +                | +                | +                | 50               |                  |
| Adenoma  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |          |                  |                  |                  |                  | 3                |                  |
| Carcinoma                                      |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  | X                |                  |                  | X                |                  |                  |          |                  |                  |                  |                  | 3                |                  |
| Fibroadenoma                                   |                  |                  |                  | X                |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |          |                  |                  | X                |                  | 10               |                  |

\* .. 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

Experiment Number: 96014 - 05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F344/N Tac

**P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)**

Water disinfection byproducts (Bromodichloroacetic acid)

CAS Number: 71133-14-7

Date Report Requested: 03/05/2013

Time Report Requested: 08:02:51

First Dose M/F: 10/26/06 / 10/27/06

Lab: BAT

| FISCHER 344-TACONIC RATS<br>FEMALE<br>500 mg/L | DAY ON TEST |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       | * TOTALS |
|--|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----------|
|  | 0635        | 0641  | 0663  | 0664  | 0665  | 0666  | 0666  | 0666  | 0666  | 0666  | 0666  | 0666  | 0666  | 0666  | 0666  | 0666  | 0666  | 0666  | 0666  | 0666  | 0666  | 0666  | 0666  | 0666  | 0666  |          |
|  | ANIMAL ID   |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |          |
|  | 00654       | 00666 | 00666 | 00666 | 00666 | 00666 | 00666 | 00666 | 00666 | 00666 | 00666 | 00666 | 00666 | 00666 | 00666 | 00666 | 00666 | 00666 | 00666 | 00666 | 00666 | 00666 | 00666 | 00666 | 00666 |          |
| Fibroadenoma, Multiple                         | X           | X     | X     |       | X     | X     | X     | X     | X     | X     | X     | X     | X     | X     | X     | X     | X     | X     | X     | X     | X     | X     | X     | X     | X     | 37       |
| Skin   | +           | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | 50       |
| Subcutaneous Tissue, Fibroma                   |             |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       | 3        |
| <b>MUSCULOSKELETAL SYSTEM</b>                  |             |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |          |
| Bone   | +           | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | 50       |
| <b>NERVOUS SYSTEM</b>                          |             |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |          |
| Brain  | +           | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | 50       |
| Glioma   |             |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       | 2        |
| Oligodendroglioma Nos                          |             |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       | X     |       | 1        |
| Spinal Cord                                    |             |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       | 1        |
| <b>RESPIRATORY SYSTEM</b>                      |             |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |          |
| Lung   | +           | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | 50       |
| Carcinoma, Metastatic, Mammary Gland           |             |       |       |       |       |       |       |       |       |       |       |       | X     |       |       |       |       |       |       |       |       |       |       |       |       | 1        |
| Nose   | +           | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | 50       |
| Trachea  | +           | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | 50       |
| <b>SPECIAL SENSES SYSTEM</b>                   |             |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |          |
| Eye  | +           | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | 50       |
| Harderian Gland                                | +           | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | 50       |
| <b>URINARY SYSTEM</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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Experiment Number: 96014 - 05  
 Test Type: CHRONIC  
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**P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)**  
 Water disinfection byproducts (Bromodichloroacetic acid)  
 CAS Number: 71133-14-7

Date Report Requested: 03/05/2013  
 Time Report Requested: 08:02:51  
 First Dose M/F: 10/26/06 / 10/27/06  
 Lab: BAT

| FISCHER 344-TACONIC RATS<br>FEMALE<br>500 mg/L | 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  | * TOTALS |
|--|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|----------|
|  | 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  |          |
|  |             | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | 5 | 5 | 5 | 5 | 5 | 6 | 6 | 7 | 9 | 0 | 1 | 2 | 2 | 2 | 2 | 2  |          |
|  |             | 5 | 1 | 3 | 3 | 5 | 5 | 5 | 0 | 6 | 6 | 6 | 6 | 6 | 3 | 3 | 3 | 8 | 4 | 5 | 7 | 7 | 7 | 7 | 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  |          |
|  |             | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6  |          |
|  |             | 5 | 3 | 3 | 4 | 2 | 5 | 6 | 3 | 0 | 0 | 2 | 3 | 3 | 5 | 0 | 2 | 4 | 4 | 0 | 3 | 3 | 2 | 3 | 4  |          |
|  |             | 4 | 6 | 3 | 8 | 0 | 5 | 4 | 1 | 5 | 9 | 9 | 2 | 8 | 1 | 4 | 7 | 7 | 2 | 7 | 7 | 9 | 6 | 0 | 4  |          |
|  |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |          |
| Kidney   |             | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |          |
| Urinary Bladder                                |             | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |          |
| <b>SYSTEMIC LESIONS</b>                        |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |          |
| Multiple Organ                                 |             | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |          |
| Leukemia Mononuclear                           |             |   |   |   |   |   |   | X | X | X |   |   |   | X |   |   | X |   | X |   |   | X |   |   | 8  |          |

\* .. 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

Experiment Number: 96014 - 05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F344/N Tac

**P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)**  
 Water disinfection byproducts (Bromodichloroacetic acid)  
 CAS Number: 71133-14-7

Date Report Requested: 03/05/2013  
 Time Report Requested: 08:02:51  
 First Dose M/F: 10/26/06 / 10/27/06  
 Lab: BAT

| FISCHER 344-TACONIC RATS<br>FEMALE<br>1000 mg/L | DAY ON TEST |   | ANIMAL ID |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 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 | 0 | 0 | 0 |                      |
|   | 2           | 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 | 6                    |
|   | 4           | 1 | 1         | 8 | 9 | 0 | 1 | 1 | 1 | 2 | 4 | 4 | 5 | 5 | 6 | 6 | 7 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 0 | 1                    |
|   | 7           | 1 | 4         | 8 | 4 | 9 | 9 | 9 | 9 | 9 | 4 | 4 | 1 | 4 | 1 | 8 | 2 | 5 | 6 | 7 | 4 | 4 | 4 | 6 | 6 | 1 | 0 |                      |
|   | 0           | 0 | 0         | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |                      |
|   | 0           | 0 | 0         | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |                      |
|   | 7           | 7 | 7         | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |                      |
|   | 0           | 1 | 2         | 5 | 2 | 0 | 0 | 6 | 6 | 2 | 1 | 2 | 5 | 1 | 4 | 2 | 1 | 2 | 5 | 3 | 8 | 2 | 9 | 9 | 2 | 1 |   |                      |
|   | 1           | 6 | 4         | 5 | 3 | 8 | 2 | 1 | 6 | 6 | 2 | 7 | 0 | 3 | 8 | 2 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 0 |                      |

**ALIMENTARY SYSTEM**

|                                     |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|-------------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Esophagus                           | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Large, Cecum              | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Large, Colon<br>Adenoma   | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Large, Rectum             | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Small, Duodenum           | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Small, Ileum              | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Small, Jejunum            | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Liver                               | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Hemangiosarcoma                     |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Hepatocellular Adenoma              |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | X |
| Mesentery                           |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Oral Mucosa                         |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Pharyngeal, Squamous Cell Papilloma |   |   |   |   |   |   |   |   |   |   |   |   | + | X |   |   |   |   |   |   |   |   |   |   |   |   |
| Pancreas                            | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Salivary Glands                     | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Stomach, Forestomach                | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |

\* .. 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

Experiment Number: 96014 - 05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F344/N Tac

**P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)**

Water disinfection byproducts (Bromodichloroacetic acid)

CAS Number: 71133-14-7

Date Report Requested: 03/05/2013

Time Report Requested: 08:02:51

First Dose M/F: 10/26/06 / 10/27/06

Lab: BAT

| FISCHER 344-TACONIC RATS<br>FEMALE<br>1000 mg/L | DAY ON TEST           |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | females<br>(cont...)  |
|---|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
|   | 0<br>2<br>4<br>7      | 0<br>4<br>1<br>1      | 0<br>4<br>1<br>4      | 0<br>4<br>8<br>8      | 0<br>4<br>9<br>4      | 0<br>5<br>0<br>9      | 0<br>5<br>1<br>9      | 0<br>5<br>1<br>9      | 0<br>5<br>1<br>9      | 0<br>5<br>2<br>9      | 0<br>5<br>4<br>4      | 0<br>5<br>4<br>4      | 0<br>5<br>5<br>1      | 0<br>5<br>5<br>4      | 0<br>5<br>6<br>1      | 0<br>5<br>6<br>8      | 0<br>5<br>7<br>2      | 0<br>5<br>8<br>5      | 0<br>5<br>8<br>6      | 0<br>5<br>8<br>7      | 0<br>5<br>9<br>4      | 0<br>5<br>9<br>4      | 0<br>5<br>9<br>4      | 0<br>5<br>9<br>6      | 0<br>6<br>0<br>1      |                       |
| ANIMAL ID                                       | 0<br>0<br>7<br>0<br>1 | 0<br>0<br>7<br>1<br>6 | 0<br>0<br>7<br>2<br>4 | 0<br>0<br>7<br>5<br>5 | 0<br>0<br>7<br>2<br>3 | 0<br>0<br>7<br>0<br>8 | 0<br>0<br>7<br>7<br>2 | 0<br>0<br>7<br>7<br>6 | 0<br>0<br>7<br>7<br>6 | 0<br>0<br>7<br>7<br>6 | 0<br>0<br>7<br>7<br>2 | 0<br>0<br>7<br>7<br>7 | 0<br>0<br>7<br>7<br>1 | 0<br>0<br>7<br>7<br>2 | 0<br>0<br>7<br>7<br>5 | 0<br>0<br>7<br>7<br>1 | 0<br>0<br>7<br>7<br>2 | 0<br>0<br>7<br>7<br>1 | 0<br>0<br>7<br>7<br>8 | 0<br>0<br>7<br>7<br>1 | 0<br>0<br>7<br>7<br>3 | 0<br>0<br>7<br>7<br>4 | 0<br>0<br>7<br>7<br>4 | 0<br>0<br>7<br>7<br>2 | 0<br>0<br>7<br>7<br>9 | 0<br>0<br>7<br>7<br>0 |

Stomach, Glandular

+ +

Tongue  
Squamous Cell Papilloma

+  
X

**CARDIOVASCULAR SYSTEM**

Blood Vessel

+ +

Heart

+ +

**ENDOCRINE SYSTEM**

Adrenal Cortex

+ +

Adrenal Medulla  
Pheochromocytoma Benign  
Pheochromocytoma Benign, Multiple  
Pheochromocytoma Malignant

+  
X  
X

Islets, Pancreatic

+ +

Parathyroid Gland

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

Pituitary Gland  
Pars Distalis, Adenoma

+  
X X X

Thyroid Gland  
C-cell, Adenoma  
Follicular Cell, Adenoma

+  
X 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

Experiment Number: 96014 - 05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F344/N Tac

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)  
 Water disinfection byproducts (Bromodichloroacetic acid)  
 CAS Number: 71133-14-7

Date Report Requested: 03/05/2013  
 Time Report Requested: 08:02:51  
 First Dose M/F: 10/26/06 / 10/27/06  
 Lab: BAT

| FISCHER 344-TACONIC RATS<br>FEMALE<br>1000 mg/L | DAY ON TEST           |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | ANIMAL ID             | females<br>(cont...)  |
|---|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
|   | 0<br>2<br>4<br>7      | 0<br>4<br>1<br>1      | 0<br>4<br>1<br>4      | 0<br>4<br>8<br>8      | 0<br>4<br>9<br>4      | 0<br>5<br>0<br>9      | 0<br>5<br>1<br>9      | 0<br>5<br>1<br>9      | 0<br>5<br>1<br>9      | 0<br>5<br>2<br>9      | 0<br>5<br>4<br>4      | 0<br>5<br>4<br>4      | 0<br>5<br>5<br>1      | 0<br>5<br>5<br>4      | 0<br>5<br>6<br>1      | 0<br>5<br>6<br>8      | 0<br>5<br>7<br>2      | 0<br>5<br>8<br>5      | 0<br>5<br>8<br>6      | 0<br>5<br>8<br>7      | 0<br>5<br>9<br>4      | 0<br>5<br>9<br>4      | 0<br>5<br>9<br>4      | 0<br>5<br>9<br>6      | 0<br>6<br>0<br>1      |                       |                       |
|   | 0<br>0<br>7<br>0<br>1 | 0<br>0<br>7<br>1<br>6 | 0<br>0<br>7<br>2<br>4 | 0<br>0<br>7<br>5<br>5 | 0<br>0<br>7<br>2<br>3 | 0<br>0<br>7<br>0<br>8 | 0<br>0<br>7<br>0<br>2 | 0<br>0<br>7<br>0<br>6 | 0<br>0<br>7<br>0<br>6 | 0<br>0<br>7<br>1<br>6 | 0<br>0<br>7<br>1<br>6 | 0<br>0<br>7<br>1<br>6 | 0<br>0<br>7<br>1<br>6 | 0<br>0<br>7<br>1<br>6 | 0<br>0<br>7<br>1<br>6 | 0<br>0<br>7<br>1<br>6 | 0<br>0<br>7<br>1<br>6 | 0<br>0<br>7<br>1<br>6 | 0<br>0<br>7<br>1<br>6 | 0<br>0<br>7<br>1<br>6 | 0<br>0<br>7<br>1<br>6 | 0<br>0<br>7<br>1<br>6 | 0<br>0<br>7<br>1<br>6 | 0<br>0<br>7<br>1<br>6 | 0<br>0<br>7<br>1<br>6 | 0<br>0<br>7<br>1<br>6 | 0<br>0<br>7<br>1<br>6 |

NONE

**GENITAL SYSTEM**

|  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Clitoral Gland<br>Adenoma  | + | + | + | + | + | X | + | + | + | X | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | X |
| Ovary<br>Pheochromocytoma Malignant, Metastatic,<br>Adrenal Medulla  | + | + | + | + | + | + | + | + | + | + | + | + | X | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Uterus<br>Polyp Stromal<br>Sarcoma Stromal<br>Endometrium, Carcinoma | + | + | + | + | + | + | + | + | + | + | + | + | + | X | + | + | + | + | + | + | + | + | + | + | + | + |

**HEMATOPOIETIC SYSTEM**

|                           |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|---------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Bone Marrow               | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Lymph Node                |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Lymph Node, Mandibular    | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Lymph Node, Mesenteric    | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Spleen<br>Hemangiosarcoma | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Thymus                    | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |

**INTEGUMENTARY SYSTEM**

\* .. Total animals with tissue examined microscopically; Total animals with tumor  
 + .. Tissue examined microscopically  
 X .. Lesion present  
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Experiment Number: 96014 - 05  
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 Lab: BAT

| FISCHER 344-TACONIC RATS<br>FEMALE<br>1000 mg/L         | DAY ON TEST      |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  | ANIMAL ID | females<br>(cont...) |                  |                  |                  |                  |                  |
|---|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|-----------|----------------------|------------------|------------------|------------------|------------------|------------------|
|   | 0<br>2<br>4<br>7 | 0<br>4<br>1<br>1 | 0<br>4<br>1<br>4 | 0<br>4<br>8<br>8 | 0<br>4<br>9<br>4 | 0<br>5<br>0<br>9 | 0<br>5<br>1<br>9 | 0<br>5<br>1<br>9 | 0<br>5<br>1<br>9 | 0<br>5<br>2<br>9 | 0<br>5<br>4<br>4 | 0<br>5<br>4<br>4 | 0<br>5<br>5<br>1 | 0<br>5<br>5<br>4 | 0<br>5<br>5<br>1 | 0<br>5<br>6<br>8 | 0<br>5<br>6<br>2 | 0<br>5<br>7<br>5 | 0<br>5<br>8<br>6 | 0<br>5<br>8<br>7 |           |                      | 0<br>5<br>9<br>4 | 0<br>5<br>9<br>4 | 0<br>5<br>9<br>4 | 0<br>5<br>9<br>6 | 0<br>6<br>0<br>1 |
| Mammary Gland   | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +         | +                    | +                | +                | +                |                  |                  |
| 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  | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +         | +                    | +                | +                | +                |                  |                  |
| Basal Cell Adenoma                                      |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |           |                      |                  |                  |                  |                  |                  |
| Subcutaneous Tissue, Fibroma                            |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  | X                |                  |                  |           | X                    |                  |                  |                  |                  |                  |
| <b>MUSCULOSKELETAL SYSTEM</b>                           |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |           |                      |                  |                  |                  |                  |                  |
| Bone  | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +         | +                    | +                | +                | +                | +                |                  |
| <b>NERVOUS SYSTEM</b>                                   |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |           |                      |                  |                  |                  |                  |                  |
| Brain   | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +         | +                    | +                | +                | +                | +                |                  |
| Oligodendroglioma Nos                                   |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |           |                      |                  |                  |                  |                  |                  |
| <b>RESPIRATORY SYSTEM</b>                               |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |           |                      |                  |                  |                  |                  |                  |
| Lung  | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +         | +                    | +                | +                | +                | +                |                  |
| Pheochromocytoma Malignant, Metastatic, Adrenal Medulla |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  | X                |                  |                  |                  |                  |                  |                  |                  |           |                      |                  |                  |                  |                  |                  |
| Nose  | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +         | +                    | +                | +                | +                | +                |                  |
| Trachea   | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +         | +                    | +                | +                | +                | +                |                  |
| <b>SPECIAL SENSES SYSTEM</b>                            |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |           |                      |                  |                  |                  |                  |                  |
| Eye   | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +         | +                    | +                | +                | +                | +                |                  |

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

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

Experiment Number: 96014 - 05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F344/N Tac

**P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)**  
 Water disinfection byproducts (Bromodichloroacetic acid)  
 CAS Number: 71133-14-7

Date Report Requested: 03/05/2013  
 Time Report Requested: 08:02:51  
 First Dose M/F: 10/26/06 / 10/27/06  
 Lab: BAT

|  |  | DAY ON TEST  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | females<br>(cont...) |
|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|----------------------|
| <b>FISCHER 344-TACONIC RATS<br/>FEMALE<br/>1000 mg/L</b> | <div style="display: flex; justify-content: space-between;"> <div style="width: 10%;">0</div> <div style="width: 10%;">0</div> <div style="width: 10%;">0</div> <div style="width: 10%;">0</div> <div style="width: 10%;">0</div> <div style="width: 10%;">0</div> <div style="width: 10%;">0</div> <div style="width: 10%;">0</div> <div style="width: 10%;">0</div> <div style="width: 10%;">0</div> <div style="width: 10%;">0</div> <div style="width: 10%;">0</div> <div style="width: 10%;">0</div> <div style="width: 10%;">0</div> <div style="width: 10%;">0</div> <div style="width: 10%;">0</div> <div style="width: 10%;">0</div> <div style="width: 10%;">0</div> <div style="width: 10%;">0</div> <div style="width: 10%;">0</div> </div>                                  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                      |
|  | <div style="display: flex; justify-content: space-between;"> <div style="width: 10%;">2</div> <div style="width: 10%;">4</div> <div style="width: 10%;">4</div> <div style="width: 10%;">4</div> <div style="width: 10%;">4</div> <div style="width: 10%;">5</div> <div style="width: 10%;">5</div> <div style="width: 10%;">5</div> <div style="width: 10%;">5</div> <div style="width: 10%;">5</div> <div style="width: 10%;">5</div> <div style="width: 10%;">5</div> <div style="width: 10%;">5</div> <div style="width: 10%;">5</div> <div style="width: 10%;">5</div> <div style="width: 10%;">5</div> <div style="width: 10%;">5</div> <div style="width: 10%;">5</div> <div style="width: 10%;">5</div> <div style="width: 10%;">5</div> </div>                                  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                      |
|  | <div style="display: flex; justify-content: space-between;"> <div style="width: 10%;">4</div> <div style="width: 10%;">1</div> <div style="width: 10%;">1</div> <div style="width: 10%;">8</div> <div style="width: 10%;">9</div> <div style="width: 10%;">0</div> <div style="width: 10%;">1</div> <div style="width: 10%;">1</div> <div style="width: 10%;">1</div> <div style="width: 10%;">2</div> <div style="width: 10%;">4</div> <div style="width: 10%;">4</div> <div style="width: 10%;">5</div> <div style="width: 10%;">5</div> <div style="width: 10%;">6</div> <div style="width: 10%;">6</div> <div style="width: 10%;">7</div> <div style="width: 10%;">8</div> <div style="width: 10%;">8</div> <div style="width: 10%;">8</div> <div style="width: 10%;">9</div> </div> |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                      |
|  |  | ANIMAL ID  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                      |
|  |  | <div style="display: flex; justify-content: space-between;"> <div style="width: 10%;">0</div> <div style="width: 10%;">0</div> <div style="width: 10%;">0</div> <div style="width: 10%;">0</div> <div style="width: 10%;">0</div> <div style="width: 10%;">0</div> <div style="width: 10%;">0</div> <div style="width: 10%;">0</div> <div style="width: 10%;">0</div> <div style="width: 10%;">0</div> <div style="width: 10%;">0</div> <div style="width: 10%;">0</div> <div style="width: 10%;">0</div> <div style="width: 10%;">0</div> <div style="width: 10%;">0</div> <div style="width: 10%;">0</div> <div style="width: 10%;">0</div> <div style="width: 10%;">0</div> <div style="width: 10%;">0</div> <div style="width: 10%;">0</div> <div style="width: 10%;">0</div> </div> |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                      |
|  |  | <div style="display: flex; justify-content: space-between;"> <div style="width: 10%;">7</div> <div style="width: 10%;">7</div> <div style="width: 10%;">7</div> <div style="width: 10%;">7</div> <div style="width: 10%;">7</div> <div style="width: 10%;">7</div> <div style="width: 10%;">7</div> <div style="width: 10%;">7</div> <div style="width: 10%;">7</div> <div style="width: 10%;">7</div> <div style="width: 10%;">7</div> <div style="width: 10%;">7</div> <div style="width: 10%;">7</div> <div style="width: 10%;">7</div> <div style="width: 10%;">7</div> <div style="width: 10%;">7</div> <div style="width: 10%;">7</div> <div style="width: 10%;">7</div> <div style="width: 10%;">7</div> <div style="width: 10%;">7</div> <div style="width: 10%;">7</div> </div> |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                      |
|  |  | <div style="display: flex; justify-content: space-between;"> <div style="width: 10%;">0</div> <div style="width: 10%;">1</div> <div style="width: 10%;">2</div> <div style="width: 10%;">5</div> <div style="width: 10%;">2</div> <div style="width: 10%;">0</div> <div style="width: 10%;">0</div> <div style="width: 10%;">6</div> <div style="width: 10%;">6</div> <div style="width: 10%;">2</div> <div style="width: 10%;">1</div> <div style="width: 10%;">2</div> <div style="width: 10%;">5</div> <div style="width: 10%;">1</div> <div style="width: 10%;">4</div> <div style="width: 10%;">2</div> <div style="width: 10%;">1</div> <div style="width: 10%;">2</div> <div style="width: 10%;">2</div> <div style="width: 10%;">5</div> <div style="width: 10%;">3</div> </div> |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                      |
|  |  | <div style="display: flex; justify-content: space-between;"> <div style="width: 10%;">1</div> <div style="width: 10%;">6</div> <div style="width: 10%;">4</div> <div style="width: 10%;">5</div> <div style="width: 10%;">3</div> <div style="width: 10%;">8</div> <div style="width: 10%;">2</div> <div style="width: 10%;">1</div> <div style="width: 10%;">6</div> <div style="width: 10%;">6</div> <div style="width: 10%;">7</div> <div style="width: 10%;">0</div> <div style="width: 10%;">3</div> <div style="width: 10%;">8</div> <div style="width: 10%;">2</div> <div style="width: 10%;">9</div> <div style="width: 10%;">9</div> <div style="width: 10%;">1</div> <div style="width: 10%;">8</div> <div style="width: 10%;">1</div> <div style="width: 10%;">7</div> </div> |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                      |

Harderian Gland

+ +

Zymbal's Gland  
 Carcinoma

**URINARY SYSTEM**

Kidney

+ +

Urinary Bladder

+ +

**SYSTEMIC LESIONS**

Multiple Organ  
 Leukemia Mononuclear

+  
 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  
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**Experiment Number:** 96014 - 05  
**Test Type:** CHRONIC  
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**Species/Strain:** RATS/F344/N Tac

**P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)**

Water disinfection byproducts (Bromodichloroacetic acid)

**CAS Number:** 71133-14-7

**Date Report Requested:** 03/05/2013

**Time Report Requested:** 08:02:51

**First Dose M/F:** 10/26/06 / 10/27/06

**Lab:** BAT

| FISCHER 344-TACONIC RATS<br>FEMALE<br>1000 mg/L | DAY ON TEST |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |  | * TOTALS |
|---|-------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|--|----------|
|   | 0620        | 0622 | 0620 | 0622 | 0623 | 0623 | 0623 | 0628 | 0628 | 0621 | 0621 | 0621 | 0625 | 0625 | 0626 | 0626 | 0626 | 0626 | 0626 | 0626 | 0626 | 0627 | 0627 | 0627 |  |          |
| ANIMAL ID                                       | 0070        | 0073 | 0077 | 0079 | 0083 | 0084 | 0085 | 0086 | 0087 | 0089 | 0090 | 0091 | 0092 | 0093 | 0094 | 0097 | 0097 | 0097 | 0097 | 0097 | 0097 | 0097 | 0097 | 0097 |  |          |

**ALIMENTARY SYSTEM**

|                                     |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |         |
|-------------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---------|
| Esophagus                           | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50      |
| Intestine Large, Cecum              | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50      |
| Intestine Large, Colon<br>Adenoma   | + | + | + | + | + | + | + | + | + |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 50<br>2 |
| Intestine Large, Rectum             | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50      |
| Intestine Small, Duodenum           | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50      |
| Intestine Small, Ileum              | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50      |
| Intestine Small, Jejunum            | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50      |
| Liver                               | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50      |
| Hemangiosarcoma                     |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1       |
| Hepatocellular Adenoma              |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1       |
| Mesentery                           |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 2       |
| Oral Mucosa                         |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1       |
| Pharyngeal, Squamous Cell Papilloma |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1       |
| Pancreas                            | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50      |
| Salivary Glands                     | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50      |
| Stomach, Forestomach                | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50      |

\* .. Total animals with tissue examined microscopically; Total animals with tumor  
+ .. Tissue examined microscopically  
X .. Lesion present  
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 Lab: BAT

| FISCHER 344-TACONIC RATS<br>FEMALE<br>1000 mg/L | DAY ON TEST |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | * TOTALS |         |
|---|-------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|----------|---------|
|   | 0620        | 0622 | 0623 | 0624 | 0625 | 0626 | 0627 | 0628 | 0628 | 0631 | 0631 | 0631 | 0635 | 0635 | 0636 | 0638 | 0641 | 0641 | 0644 | 0645 | 0646 | 0646 | 0653 | 0656 | 0657 |          | 0657    |
| ANIMAL ID                                       | 0704        | 0703 | 0703 | 0709 | 0703 | 0704 | 0705 | 0702 | 0703 | 0704 | 0707 | 0707 | 0707 | 0707 | 0707 | 0707 | 0707 | 0707 | 0707 | 0707 | 0707 | 0707 | 0707 | 0707 | 0707 | 0707     | 0707    |
| Stomach, Glandular                              | +           | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +        | 50      |
| Tongue<br>Squamous Cell Papilloma               | +           | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +        | 50<br>1 |
| <b>CARDIOVASCULAR SYSTEM</b>                    |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |          |         |
| Blood Vessel                                    | +           | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +        | 50      |
| Heart   | +           | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +        | 50      |
| <b>ENDOCRINE SYSTEM</b>                         |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |          |         |
| Adrenal Cortex                                  | +           | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +        | 50      |
| Adrenal Medulla                                 | +           | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +        | 50      |
| Pheochromocytoma Benign                         |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | X    |          | 1       |
| Pheochromocytoma Benign, Multiple               |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |          | 1       |
| Pheochromocytoma Malignant                      |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |          | 1       |
| Islets, Pancreatic                              | +           | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +        | 50      |
| Parathyroid Gland                               | +           | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +        | 49      |
| Pituitary Gland                                 | +           | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +        | 50      |
| Pars Distalis, Adenoma                          |             |      | X    |      |      | X    |      |      | X    | X    |      |      |      |      | X    |      |      |      |      | X    |      | X    | X    |      |      |          | 11      |
| Thyroid Gland                                   | +           | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +        | 50      |
| C-cell, Adenoma                                 |             | X    |      |      |      | X    |      |      | X    |      |      | X    |      |      |      |      |      |      |      |      |      |      |      |      | X    |          | 7       |
| Follicular Cell, Adenoma                        |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | X    |      |      |      |      |      |      |          | 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  
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|   |             | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | * TOTALS |   |
|---|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----------|---|
| FISCHER 344-TACONIC RATS<br>FEMALE<br>1000 mg/L | DAY ON TEST | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 7 | 7 |          | 7 |
|   | ANIMAL ID   | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 5 | 5 | 5 | 6 | 6 |          | 6 |
|   |             | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0        |   |

NONE

**GENITAL SYSTEM**

|   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |                   |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-------------------|
| Clitoral Gland Adenoma  | + | + | M | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48<br>7           |
| Ovary Pheochromocytoma Malignant, Metastatic, Adrenal Medulla | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50<br>1           |
| Uterus Polyp Stromal Sarcoma Stromal Endometrium, Carcinoma   | + | + | + | + | + | X | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50<br>5<br>1<br>1 |

**HEMATOPOIETIC SYSTEM**

|                        |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |         |
|------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---------|
| Bone Marrow            | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50      |
| Lymph Node             |   |   |   |   |   |   |   |   |   |   | + |   |   |   |   |   |   |   |   |   |   |   | + |   | 2       |
| Lymph Node, Mandibular | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50      |
| Lymph Node, Mesenteric | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50      |
| Spleen Hemangiosarcoma | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50<br>1 |
| Thymus                 | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48      |

**INTEGUMENTARY SYSTEM**

\* .. Total animals with tissue examined microscopically; Total animals with tumor  
 + .. Tissue examined microscopically  
 X .. Lesion present  
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| FISCHER 344-TACONIC RATS<br>FEMALE<br>1000 mg/L         | DAY ON TEST |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | * TOTALS |      |      |      |  |  |
|---|-------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|----------|------|------|------|--|--|
|   | 0620        | 0622 | 0623 | 0623 | 0623 | 0628 | 0628 | 0631 | 0631 | 0631 | 0635 | 0635 | 0636 | 0638 | 0641 | 0641 | 0644 | 0645 | 0646 | 0663 |          | 0671 | 0672 | 0677 |  |  |
|   | 0070        | 0073 | 0077 | 0077 | 0077 | 0077 | 0077 | 0077 | 0077 | 0077 | 0077 | 0077 | 0077 | 0077 | 0077 | 0077 | 0077 | 0077 | 0077 | 0077 |          | 0077 | 0077 | 0077 |  |  |
| Mammary Gland   | +           | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +        | +    | +    | 50   |  |  |
| Adenoma   |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |          |      |      | 1    |  |  |
| Carcinoma   |             |      |      |      |      |      |      |      | X    | X    |      |      |      |      | X    |      |      |      |      |      |          | X    |      | 8    |  |  |
| Fibroadenoma  |             |      |      |      |      |      |      |      |      | X    |      | X    |      | X    |      |      |      |      |      | X    |          |      | X    | 12   |  |  |
| Fibroadenoma, Multiple                                  |             | X    | X    | X    | X    | X    |      | X    | X    |      | X    | X    | X    | X    | X    | X    | X    | X    |      | X    | X        |      | X    | 27   |  |  |
| Skin  | +           | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +        | +    | +    | 50   |  |  |
| Basal Cell Adenoma                                      |             |      |      |      |      |      |      |      |      |      |      |      |      |      | X    |      |      |      |      |      |          |      |      | 1    |  |  |
| Subcutaneous Tissue, Fibroma                            |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |          |      |      | 2    |  |  |
| <b>MUSCULOSKELETAL SYSTEM</b>                           |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |          |      |      |      |  |  |
| Bone  | +           | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +        | +    | +    | 50   |  |  |
| <b>NERVOUS SYSTEM</b>                                   |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |          |      |      |      |  |  |
| Brain   | +           | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +        | +    | +    | 50   |  |  |
| Oligodendroglioma Nos                                   |             |      |      |      |      |      |      |      |      |      |      | X    |      |      |      |      |      |      |      |      |          |      |      | 1    |  |  |
| <b>RESPIRATORY SYSTEM</b>                               |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |          |      |      |      |  |  |
| Lung  | +           | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +        | +    | +    | 50   |  |  |
| Pheochromocytoma Malignant, Metastatic, Adrenal Medulla |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |          |      |      | 1    |  |  |
| Nose  | +           | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +        | +    | +    | 50   |  |  |
| Trachea   | +           | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +        | +    | +    | 50   |  |  |
| <b>SPECIAL SENSES SYSTEM</b>                            |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |          |      |      |      |  |  |
| Eye   | +           | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +        | +    | +    | 50   |  |  |

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

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

Experiment Number: 96014 - 05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F344/N Tac

**P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)**  
 Water disinfection byproducts (Bromodichloroacetic acid)  
 CAS Number: 71133-14-7

Date Report Requested: 03/05/2013  
 Time Report Requested: 08:02:51  
 First Dose M/F: 10/26/06 / 10/27/06  
 Lab: BAT

| FISCHER 344-TACONIC RATS<br>FEMALE<br>1000 mg/L | DAY ON TEST |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | * TOTALS |      |
|---|-------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|----------|------|
|   | 0620        | 0622 | 0620 | 0622 | 0623 | 0623 | 0623 | 0628 | 0628 | 0621 | 0621 | 0621 | 0625 | 0625 | 0626 | 0628 | 0621 | 0621 | 0623 | 0626 | 0626 | 0626 | 0626 | 0627 | 0627 |          | 0627 |
| ANIMAL ID                                       | 0070        | 0077 | 0077 | 0077 | 0077 | 0077 | 0077 | 0077 | 0077 | 0077 | 0077 | 0077 | 0077 | 0077 | 0077 | 0077 | 0077 | 0077 | 0077 | 0077 | 0077 | 0077 | 0077 | 0077 | 0077 | 0077     |      |
| Harderian Gland                                 | +           | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | 50       |      |
| Zymbal's Gland<br>Carcinoma                     |             | +    |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | +    |      |      |      |      |      | 2        |      |
|   |             | X    |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | X    |      |      |      |      |      | 2        |      |
| <b>URINARY SYSTEM</b>                           |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |          |      |
| Kidney  | +           | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | 50       |      |
| Urinary Bladder                                 | +           | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | 50       |      |
| <b>SYSTEMIC LESIONS</b>                         |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |          |      |
| Multiple Organ<br>Leukemia Mononuclear          | +           | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | 50       |      |
|   | X           |      |      |      |      | X    |      |      |      | X    |      |      |      |      |      |      |      |      | X    |      |      | X    |      | X    |      | 10       |      |

\*\*\* 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