

**Experiment Number:** 96014 - 06  
**Test Type:** CHRONIC  
**Route:** DOSED WATER  
**Species/Strain:** MICE/B6C3F1

**P03: INCIDENCE RATES OF NON-NEOPLASTIC LESIONS BY ANATOMIC SITE(a)**

Water disinfection byproducts (Bromodichloroacetic acid)

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

**Date Report Requested:** 07/05/2012

**Time Report Requested:** 09:41:46

**First Dose M/F:** 09/26/06 / 09/25/06

**Lab:** BAT

F1\_Rev.1\_M3

**NTP Study Number:** C96014B  
**Lock Date:** 09/09/2009  
**Cage Range:** ALL  
**Date Range:** ALL  
**Reasons For Removal:** ALL  
**Removal Date Range:** ALL  
**Treatment Groups:** Include ALL  
**Study Gender:** Both  
**TDMSE Version:** 2.6.0.0\_007  
**PWG Approval Date:** 02/02/2012

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Lab: BAT

B6C3F1 MICE MALE

0 mg/L

250 mg/L

500 mg/L

1000 mg/L

**Disposition Summary**

	0 mg/L	250 mg/L	500 mg/L	1000 mg/L
<b>Animals Initially In Study</b>	<b>66</b>	<b>66</b>	<b>66</b>	<b>66</b>
<b>Scheduled Sacrifice</b>	<b>16</b>	<b>16</b>	<b>16</b>	<b>15</b>
<b>Early Deaths</b>				
<b>Moribund Sacrifice</b>	<b>15</b>	<b>14</b>	<b>27</b>	<b>27</b>
<b>Natural Death</b>	<b>10</b>	<b>15</b>	<b>10</b>	<b>14</b>
<b>Survivors</b>				
<b>Terminal Sacrifice</b>	<b>25</b>	<b>21</b>	<b>12</b>	<b>10</b>
<b>Missing</b>			<b>1</b>	
<b>Animals Examined Microscopically</b>	<b>50</b>	<b>50</b>	<b>49</b>	<b>51</b>

**ALIMENTARY SYSTEM**

	0 mg/L	250 mg/L	500 mg/L	1000 mg/L
Esophagus	(50)	(50)	(49)	(51)
Gallbladder	(48)	(49)	(48)	(47)
Intestine Large, Cecum	(50)	(50)	(49)	(51)
Lymphoid Tissue, Hyperplasia		1 (2%)		
Intestine Large, Colon	(50)	(50)	(49)	(51)
Epithelium, Hyperplasia		1 (2%)		
Intestine Large, Rectum	(50)	(50)	(49)	(51)
Intestine Small, Duodenum	(50)	(50)	(49)	(51)
Intestine Small, Ileum	(50)	(50)	(49)	(51)
Inflammation	3 (6%)	1 (2%)		
Epithelium, Hyperplasia	2 (4%)			
Muscularis, Hyperplasia	1 (2%)			
Intestine Small, Jejunum	(50)	(50)	(49)	(51)
Inflammation	1 (2%)			2 (4%)
Peyer's Patch, Hyperplasia, Lymphoid		2 (4%)		1 (2%)
Liver	(50)	(50)	(49)	(51)
Amyloid Deposition			1 (2%)	
Angiectasis	1 (2%)		1 (2%)	1 (2%)
Basophilic Focus	1 (2%)	2 (4%)	6 (12%)	3 (6%)
Clear Cell Focus	18 (36%)	14 (28%)	4 (8%)	14 (27%)
Congestion				1 (2%)
Eosinophilic Focus	30 (60%)	33 (66%)	30 (61%)	16 (31%)

a - Number of animals examined microscopically at site and number of animals with lesion

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**P03: INCIDENCE RATES OF NON-NEOPLASTIC LESIONS BY ANATOMIC SITE(a)**

Water disinfection byproducts (Bromodichloroacetic acid)

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Lab: BAT

B6C3F1 MICE MALE	0 mg/L	250 mg/L	500 mg/L	1000 mg/L
Fatty Change	11 (22%)	1 (2%)		4 (8%)
Fatty Change, Focal		1 (2%)		
Focus Of Cellular Alteration, Atypical		19 (38%)	42 (86%)	43 (84%)
Hematopoietic Cell Proliferation	1 (2%)		1 (2%)	
Infarct		1 (2%)	1 (2%)	1 (2%)
Infiltration Cellular, Mixed Cell				1 (2%)
Inflammation	7 (14%)	6 (12%)	3 (6%)	4 (8%)
Mineralization			1 (2%)	
Mixed Cell Focus	13 (26%)	6 (12%)	4 (8%)	5 (10%)
Tension Lipidosis	3 (6%)	1 (2%)		
Bile Duct, Cyst		1 (2%)		1 (2%)
Capsule, Fibrosis				1 (2%)
Centrilobular, Fatty Change			1 (2%)	1 (2%)
Hepatocyte, Necrosis	5 (10%)	9 (18%)	10 (20%)	8 (16%)
Oval Cell, Hyperplasia	1 (2%)		3 (6%)	
Mesentery	(7)	(1)	(3)	(6)
Inflammation				1 (17%)
Necrosis	5 (71%)	1 (100%)	1 (33%)	2 (33%)
Pancreas	(50)	(50)	(49)	(51)
Amyloid Deposition	1 (2%)			
Fibrosis				1 (2%)
Acinus, Atrophy	2 (4%)			
Acinus, Hyperplasia		1 (2%)	1 (2%)	
Duct, Cyst				1 (2%)
Salivary Glands	(50)	(50)	(49)	(51)
Hyperplasia		1 (2%)		
Stomach, Forestomach	(50)	(50)	(49)	(51)
Inflammation	1 (2%)	1 (2%)		1 (2%)
Ulcer	3 (6%)	1 (2%)	1 (2%)	2 (4%)
Epithelium, Hyperplasia	2 (4%)		1 (2%)	1 (2%)
Stomach, Glandular	(50)	(50)	(49)	(51)
Amyloid Deposition			3 (6%)	1 (2%)
Erosion				1 (2%)
Inflammation	1 (2%)			
Mineralization	1 (2%)			
Ulcer			2 (4%)	

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B6C3F1 MICE MALE	0 mg/L	250 mg/L	500 mg/L	1000 mg/L
Epithelium, Hyperplasia	2 (4%)			
Glands, Ectasia		1 (2%)		1 (2%)
Tooth	(35)	(22)	(13)	(0)
Dysplasia	1 (3%)			
Malformation	34 (97%)	20 (91%)	13 (100%)	
Peridontal Tissue, Fibrosis		2 (9%)		
Peridontal Tissue, Inflammation		1 (5%)		

## CARDIOVASCULAR SYSTEM

Blood Vessel	(50)	(50)	(49)	(51)
Aorta, Inflammation				1 (2%)
Aorta, Mineralization			1 (2%)	1 (2%)
Heart	(50)	(50)	(49)	(51)
Cardiomyopathy	31 (62%)	41 (82%)	30 (61%)	33 (65%)
Arteriole, Hyperplasia	1 (2%)			
Arteriole, Inflammation	1 (2%)	1 (2%)		
Artery, Inflammation				1 (2%)
Artery, Mineralization			1 (2%)	
Atrium, Thrombosis	2 (4%)		1 (2%)	
Endocardium, Inflammation				1 (2%)
Epicardium, Fibrosis	1 (2%)			
Myocardium, Mineralization	1 (2%)		1 (2%)	2 (4%)
Valve, Inflammation	1 (2%)			

## ENDOCRINE SYSTEM

Adrenal Cortex	(50)	(50)	(49)	(50)
Angiectasis		1 (2%)		1 (2%)
Hyperplasia		2 (4%)		1 (2%)
Hypertrophy	14 (28%)	21 (42%)	9 (18%)	9 (18%)
Necrosis				1 (2%)
Subcapsular, Hyperplasia			1 (2%)	
Adrenal Medulla	(50)	(50)	(49)	(50)
Angiectasis	1 (2%)			

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B6C3F1 MICE MALE	0 mg/L	250 mg/L	500 mg/L	1000 mg/L
Hyperplasia		1 (2%)	1 (2%)	1 (2%)
Mineralization				1 (2%)
Necrosis				1 (2%)
Islets, Pancreatic	(50)	(50)	(49)	(51)
Parathyroid Gland	(44)	(45)	(44)	(44)
Pituitary Gland	(50)	(49)	(49)	(51)
Cyst		5 (10%)		2 (4%)
Pars Distalis, Hyperplasia	1 (2%)	2 (4%)	4 (8%)	
Thyroid Gland	(50)	(50)	(49)	(51)
Cyst		1 (2%)		
C-cell, Hyperplasia		1 (2%)		
Follicle, Cyst	1 (2%)	3 (6%)	1 (2%)	1 (2%)
Follicular Cell, Hyperplasia			1 (2%)	
<b>GENERAL BODY SYSTEM</b>				
Peritoneum	(0)	(0)	(0)	(1)
<b>GENITAL SYSTEM</b>				
Epididymis	(50)	(50)	(49)	(51)
Atrophy		7 (14%)	10 (20%)	17 (33%)
Granuloma Sperm				1 (2%)
Hypospermia		1 (2%)		17 (33%)
Inflammation	2 (4%)	1 (2%)	1 (2%)	
Epithelium, Degeneration	1 (2%)	1 (2%)	10 (20%)	6 (12%)
Mesothelium, Hyperplasia			1 (2%)	1 (2%)
Penis	(0)	(1)	(0)	(0)
Hyperplasia, Squamous		1 (100%)		
Preputial Gland	(50)	(50)	(49)	(51)
Atrophy		1 (2%)		
Inflammation	7 (14%)	4 (8%)	3 (6%)	8 (16%)
Duct, Ectasia	6 (12%)	6 (12%)	5 (10%)	10 (20%)
Prostate	(50)	(50)	(49)	(51)
Atrophy				1 (2%)

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B6C3F1 MICE MALE	0 mg/L	250 mg/L	500 mg/L	1000 mg/L
Inflammation	3 (6%)	3 (6%)	1 (2%)	2 (4%)
Arteriole, Inflammation				1 (2%)
Seminal Vesicle	(50)	(50)	(49)	(51)
Atrophy		1 (2%)		1 (2%)
Dilatation	1 (2%)	1 (2%)	1 (2%)	
Inflammation	2 (4%)	2 (4%)	3 (6%)	1 (2%)
Testes	(50)	(50)	(49)	(51)
Atrophy	4 (8%)	6 (12%)	13 (27%)	23 (45%)
Fibrosis		1 (2%)		

## HEMATOPOIETIC SYSTEM

Bone Marrow	(50)	(50)	(49)	(51)
Angiectasis				2 (4%)
Hyperplasia		2 (4%)		
Necrosis		1 (2%)		
Lymph Node	(0)	(1)	(2)	(5)
Axillary, Hyperplasia, Plasma Cell				1 (20%)
Lumbar, Hyperplasia, Lymphoid		1 (100%)		
Lumbar, Hyperplasia, Plasma Cell		1 (100%)		1 (20%)
Lumbar, Inflammation, Suppurative				1 (20%)
Renal, Hyperplasia, Plasma Cell				1 (20%)
Lymph Node, Mandibular	(50)	(50)	(49)	(51)
Degeneration, Cystic				1 (2%)
Hyperplasia, Lymphoid		1 (2%)		
Hyperplasia, Plasma Cell	3 (6%)	1 (2%)		1 (2%)
Lymph Node, Mesenteric	(50)	(48)	(48)	(48)
Hematopoietic Cell Proliferation		1 (2%)		
Hemorrhage				2 (4%)
Hyperplasia, Lymphoid				1 (2%)
Hyperplasia, Plasma Cell	2 (4%)	4 (8%)		1 (2%)
Necrosis, Lymphoid				1 (2%)
Spleen	(50)	(50)	(49)	(50)
Atrophy			3 (6%)	1 (2%)
Hematopoietic Cell Proliferation	1 (2%)	3 (6%)	5 (10%)	4 (8%)

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B6C3F1 MICE MALE	0 mg/L	250 mg/L	500 mg/L	1000 mg/L
Hyperplasia, Lymphoid Infarct	4 (8%)	7 (14%)	5 (10%) 1 (2%)	5 (10%)
Thymus Atrophy	(45)	(45) 1 (2%)	(45)	(44)
Mineralization	1 (2%)			
<hr/>				
<b>INTEGUMENTARY SYSTEM</b>				
Mammary Gland	(5)	(3)	(4)	(7)
Skin Inflammation, Suppurative Ulcer	(50)	(50)	(49) 1 (2%) 1 (2%)	(51) 1 (2%)
Dermis, Fibrosis Epidermis, Hyperplasia		1 (2%) 1 (2%)		
<hr/>				
<b>MUSCULOSKELETAL SYSTEM</b>				
Bone Cranium, Periosteum, Fibrosis Femur, Osteopetrosis	(50)	(50) 1 (2%)	(49)	(51) 1 (2%)
Skeletal Muscle	(0)	(2)	(2)	(2)
<hr/>				
<b>NERVOUS SYSTEM</b>				
Brain Cerebrum, Demyelination	(50)	(50)	(49) 1 (2%)	(51)
Peripheral Nerve Degeneration	(2) 1 (50%)	(1) 1 (100%)	(0)	(0)
Spinal Cord Demyelination	(2)	(1) 1 (100%)	(0)	(0)
<hr/>				
<b>RESPIRATORY SYSTEM</b>				

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**P03: INCIDENCE RATES OF NON-NEOPLASTIC LESIONS BY ANATOMIC SITE(a)**

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B6C3F1 MICE MALE	0 mg/L	250 mg/L	500 mg/L	1000 mg/L
Lung	(50)	(50)	(49)	(51)
Inflammation	1 (2%)		3 (6%)	4 (8%)
Thrombosis	1 (2%)	2 (4%)		2 (4%)
Alveolar Epithelium, Hyperplasia	2 (4%)	2 (4%)	4 (8%)	4 (8%)
Alveolus, Infiltration Cellular, Histiocyte		1 (2%)	4 (8%)	1 (2%)
Capillary, Thrombosis				1 (2%)
Perivascular, Infiltration Cellular, Mononuclear Cell	1 (2%)			
Vein, Mineralization			1 (2%)	
Nose	(50)	(50)	(49)	(51)
Inflammation	5 (10%)	9 (18%)	7 (14%)	9 (18%)
Glands, Dilatation			1 (2%)	
Glands, Fibrosis			1 (2%)	
Glands, Hyperplasia		3 (6%)	2 (4%)	
Respiratory Epithelium, Hyperplasia		1 (2%)		
Respiratory Epithelium, Metaplasia		1 (2%)		
Turbinate, Fibrosis, Focal				1 (2%)
Trachea	(50)	(50)	(49)	(51)
Inflammation				1 (2%)
Peritracheal Tissue, Cyst	1 (2%)			
<b>SPECIAL SENSES SYSTEM</b>				
Eye	(50)	(50)	(49)	(51)
Cataract	1 (2%)		1 (2%)	1 (2%)
Phthisis Bulbi				2 (4%)
Synechia	1 (2%)			1 (2%)
Cornea, Inflammation		2 (4%)	2 (4%)	1 (2%)
Optic Nerve, Degeneration	1 (2%)	1 (2%)		
Retina, Dysplasia	1 (2%)	1 (2%)	1 (2%)	
Harderian Gland	(50)	(50)	(49)	(51)
Inflammation				1 (2%)
Epithelium, Hyperplasia	1 (2%)	1 (2%)	3 (6%)	4 (8%)

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B6C3F1 MICE MALE	0 mg/L	250 mg/L	500 mg/L	1000 mg/L
<hr/>				
URINARY SYSTEM				
Kidney	(50)	(50)	(49)	(51)
Atrophy, Diffuse				1 (2%)
Casts Protein				1 (2%)
Hydronephrosis	2 (4%)		1 (2%)	1 (2%)
Infarct	3 (6%)	3 (6%)		5 (10%)
Infiltration Cellular, Mononuclear Cell		1 (2%)		2 (4%)
Inflammation	3 (6%)	4 (8%)	2 (4%)	3 (6%)
Metaplasia, Osseous		3 (6%)		
Mineralization	2 (4%)	1 (2%)	1 (2%)	
Nephropathy	49 (98%)	47 (94%)	45 (92%)	42 (82%)
Papilla, Necrosis	1 (2%)		1 (2%)	
Renal Tubule, Cyst	4 (8%)	3 (6%)	1 (2%)	
Renal Tubule, Hyperplasia		2 (4%)		
Ureter	(1)	(0)	(0)	(0)
Urethra	(1)	(0)	(0)	(0)
Urinary Bladder	(50)	(50)	(49)	(51)
Infiltration Cellular, Mononuclear Cell				1 (2%)
Inflammation	2 (4%)			1 (2%)
Metaplasia, Squamous	1 (2%)			
Transitional Epithelium, Hyperplasia				1 (2%)

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

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B6C3F1 MICE FEMALE	0 mg/L	250 mg/L	500 mg/L	1000 mg/L
<b>Disposition Summary</b>				
Animals Initially In Study	66	66	66	66
Scheduled Sacrifice	16	16	16	16
Early Deaths				
Moribund Sacrifice	9	9	8	11
Natural Death	11	8	13	12
Survivors				
Natural Death				1
Terminal Sacrifice	30	33	29	26
Animals Examined Microscopically	50	50	50	50

ALIMENTARY SYSTEM

Esophagus	(50)	(50)	(47)	(48)
Gallbladder	(47)	(48)	(50)	(44)
Intestine Large, Cecum	(50)	(50)	(50)	(50)
Diverticulum		1 (2%)		
Epithelium, Hyperplasia		1 (2%)		
Lymphoid Tissue, Hyperplasia		1 (2%)		
Intestine Large, Colon	(50)	(50)	(50)	(50)
Serosa, Inflammation			1 (2%)	
Intestine Large, Rectum	(49)	(50)	(50)	(50)
Serosa, Inflammation			1 (2%)	
Intestine Small, Duodenum	(49)	(50)	(50)	(49)
Intestine Small, Ileum	(50)	(50)	(50)	(49)
Inflammation	1 (2%)	1 (2%)	1 (2%)	
Intestine Small, Jejunum	(50)	(50)	(50)	(50)
Inflammation				1 (2%)
Epithelium, Hyperplasia		1 (2%)		
Peyer's Patch, Hyperplasia, Lymphoid				1 (2%)
Peyer's Patch, Mineralization		1 (2%)		
Liver	(49)	(50)	(49)	(50)
Angiectasis		1 (2%)	6 (12%)	3 (6%)
Basophilic Focus	3 (6%)	1 (2%)	1 (2%)	3 (6%)
Clear Cell Focus	5 (10%)	5 (10%)	8 (16%)	5 (10%)

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B6C3F1 MICE FEMALE	0 mg/L	250 mg/L	500 mg/L	1000 mg/L
Eosinophilic Focus	22 (45%)	33 (66%)	38 (78%)	40 (80%)
Fatty Change	4 (8%)	2 (4%)	2 (4%)	1 (2%)
Fatty Change, Focal				2 (4%)
Focus Of Cellular Alteration, Atypical		2 (4%)	6 (12%)	16 (32%)
Hematopoietic Cell Proliferation	1 (2%)	2 (4%)	2 (4%)	
Hemorrhage	1 (2%)			
Infarct		1 (2%)		
Inflammation	27 (55%)	18 (36%)	9 (18%)	15 (30%)
Mineralization		1 (2%)	1 (2%)	
Mixed Cell Focus	4 (8%)	10 (20%)	4 (8%)	4 (8%)
Pigmentation				1 (2%)
Tension Lipidosis	4 (8%)	1 (2%)	3 (6%)	
Thrombosis			1 (2%)	1 (2%)
Bile Duct, Cyst	1 (2%)			
Bile Duct, Hyperplasia	2 (4%)	4 (8%)	3 (6%)	3 (6%)
Centrilobular, Fatty Change		2 (4%)		
Hepatocyte, Hypertrophy		1 (2%)		
Hepatocyte, Necrosis	2 (4%)	4 (8%)	2 (4%)	6 (12%)
Oval Cell, Hyperplasia			1 (2%)	1 (2%)
Portal, Fibrosis			1 (2%)	
Mesentery	(10)	(13)	(13)	(10)
Inflammation	1 (10%)			
Necrosis	7 (70%)	11 (85%)	11 (85%)	9 (90%)
Oral Mucosa	(2)	(2)	(0)	(0)
Gingival, Hyperplasia	1 (50%)			
Pharyngeal, Hyperplasia		2 (100%)		
Pharyngeal, Inflammation	1 (50%)			
Pancreas	(49)	(50)	(50)	(48)
Inflammation		1 (2%)		
Mineralization, Focal		1 (2%)		
Acinus, Atrophy		3 (6%)	1 (2%)	
Acinus, Hyperplasia			1 (2%)	
Duct, Cyst				1 (2%)
Salivary Glands	(48)	(49)	(44)	(45)
Stomach, Forestomach	(50)	(50)	(50)	(50)
Inflammation			1 (2%)	1 (2%)

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Lab: BAT

B6C3F1 MICE FEMALE	0 mg/L	250 mg/L	500 mg/L	1000 mg/L
Ulcer	1 (2%)			1 (2%)
Epithelium, Hyperplasia				2 (4%)
Stomach, Glandular	(50)	(50)	(50)	(50)
Inflammation	1 (2%)			
Mineralization	1 (2%)	3 (6%)		
Epithelium, Hyperplasia				2 (4%)
Glands, Ectasia	2 (4%)			2 (4%)
Tongue	(0)	(0)	(0)	(1)
Tooth	(0)	(2)	(0)	(1)
Malformation				1 (100%)
Pulp, Inflammation		2 (100%)		

## CARDIOVASCULAR SYSTEM

Blood Vessel	(50)	(50)	(48)	(49)
Heart	(50)	(50)	(48)	(48)
Cardiomyopathy	38 (76%)	34 (68%)	33 (69%)	35 (73%)
Atrium, Thrombosis				1 (2%)
Endocardium, Inflammation	1 (2%)			1 (2%)
Myocardium, Inflammation	1 (2%)			
Myocardium, Mineralization	1 (2%)			
Valve, Thrombosis				1 (2%)
Ventricle, Thrombosis	1 (2%)	1 (2%)		

## ENDOCRINE SYSTEM

Adrenal Cortex	(49)	(50)	(47)	(49)
Degeneration, Cystic		2 (4%)		
Degeneration, Fatty			1 (2%)	
Hematopoietic Cell Proliferation		3 (6%)	1 (2%)	1 (2%)
Hyperplasia	7 (14%)	12 (24%)	5 (11%)	1 (2%)
Hypertrophy	5 (10%)	10 (20%)	3 (6%)	5 (10%)
Infiltration Cellular, Mononuclear Cell	1 (2%)			1 (2%)
Necrosis	1 (2%)			
Vacuolization Cytoplasmic		2 (4%)		

a - Number of animals examined microscopically at site and number of animals with lesion

Experiment Number: 96014 - 06

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: MICE/B6C3F1

**P03: INCIDENCE RATES OF NON-NEOPLASTIC LESIONS BY ANATOMIC SITE(a)**

Water disinfection byproducts (Bromodichloroacetic acid)

CAS Number: 71133-14-7

Date Report Requested: 07/05/2012

Time Report Requested: 09:41:46

First Dose M/F: 09/26/06 / 09/25/06

Lab: BAT

B6C3F1 MICE FEMALE	0 mg/L	250 mg/L	500 mg/L	1000 mg/L
Adrenal Medulla	(50)	(50)	(48)	(49)
Amyloid Deposition		1 (2%)		
Hyperplasia	2 (4%)	1 (2%)		
Infiltration Cellular, Mononuclear Cell			1 (2%)	
Islets, Pancreatic	(49)	(50)	(50)	(48)
Parathyroid Gland	(45)	(46)	(41)	(38)
Cyst	2 (4%)			1 (3%)
Pituitary Gland	(49)	(49)	(46)	(48)
Angiectasis	3 (6%)			
Cyst	2 (4%)	1 (2%)		2 (4%)
Mineralization	1 (2%)			
Pars Distalis, Hyperplasia	14 (29%)	12 (24%)	8 (17%)	11 (23%)
Thyroid Gland	(49)	(50)	(46)	(45)
Infiltration Cellular, Mononuclear Cell	1 (2%)		1 (2%)	
Inflammation		2 (4%)		1 (2%)
C-cell, Hyperplasia		2 (4%)		1 (2%)
Follicle, Cyst	1 (2%)	6 (12%)	4 (9%)	3 (7%)
Follicular Cell, Hyperplasia			1 (2%)	

## GENERAL BODY SYSTEM

None

## GENITAL SYSTEM

Clitoral Gland	(47)	(50)	(50)	(48)
Ovary	(50)	(50)	(50)	(50)
Angiectasis		1 (2%)		
Atrophy				2 (4%)
Cyst	4 (8%)	3 (6%)	5 (10%)	4 (8%)
Infiltration Cellular, Mononuclear Cell	1 (2%)			1 (2%)
Mineralization			1 (2%)	1 (2%)
Pigmentation, Hemosiderin			1 (2%)	
Periovarian Tissue, Inflammation			1 (2%)	
Uterus	(50)	(50)	(50)	(50)

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B6C3F1 MICE FEMALE	0 mg/L	250 mg/L	500 mg/L	1000 mg/L
Angiectasis	2 (4%)			
Infiltration Cellular, Mononuclear Cell				1 (2%)
Inflammation	4 (8%)	2 (4%)		2 (4%)
Mineralization		1 (2%)		
Thrombosis			1 (2%)	
Endometrium, Hyperplasia, Cystic	44 (88%)	45 (90%)	37 (74%)	38 (76%)
Endometrium, Hyperplasia, Reticulum Cell	1 (2%)			
Vagina	(0)	(0)	(0)	(1)

**HEMATOPOIETIC SYSTEM**

Bone Marrow	(50)	(50)	(50)	(50)
Angiectasis				1 (2%)
Hyperplasia	1 (2%)			
Necrosis			1 (2%)	
Lymph Node	(2)	(3)	(3)	(5)
Inguinal, Hyperplasia				1 (20%)
Lumbar, Hyperplasia, Plasma Cell		1 (33%)	1 (33%)	
Mediastinal, Hyperplasia, Plasma Cell		1 (33%)		
Mediastinal, Inflammation				1 (20%)
Renal, Degeneration, Cystic		1 (33%)		
Lymph Node, Mandibular	(48)	(49)	(44)	(45)
Hematopoietic Cell Proliferation		1 (2%)		
Hyperplasia, Lymphoid	1 (2%)	2 (4%)		
Inflammation	1 (2%)			
Lymph Node, Mesenteric	(48)	(50)	(47)	(47)
Degeneration, Cystic		1 (2%)		
Hematopoietic Cell Proliferation		2 (4%)		
Hyperplasia, Lymphoid	1 (2%)	2 (4%)	1 (2%)	
Hyperplasia, Plasma Cell		3 (6%)		
Inflammation		2 (4%)	1 (2%)	
Spleen	(49)	(50)	(50)	(48)
Accessory Spleen		1 (2%)		
Hematopoietic Cell Proliferation	5 (10%)	4 (8%)	2 (4%)	4 (8%)
Hyperplasia, Lymphoid	16 (33%)	16 (32%)	11 (22%)	10 (21%)

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Experiment Number: 96014 - 06

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: MICE/B6C3F1

**P03: INCIDENCE RATES OF NON-NEOPLASTIC LESIONS BY ANATOMIC SITE(a)**

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CAS Number: 71133-14-7

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First Dose M/F: 09/26/06 / 09/25/06

Lab: BAT

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B6C3F1 MICE FEMALE	0 mg/L	250 mg/L	500 mg/L	1000 mg/L
Infarct	1 (2%)			
Necrosis				1 (2%)
Pigmentation, Hemosiderin	2 (4%)	4 (8%)		
Thymus	(50)	(50)	(46)	(46)
Hyperplasia, Lymphoid	1 (2%)			
<hr/>				
INTEGUMENTARY SYSTEM				
Mammary Gland	(50)	(50)	(49)	(50)
Hyperplasia			1 (2%)	
Inflammation				1 (2%)
Skin	(50)	(50)	(50)	(50)
Inflammation, Granulomatous				1 (2%)
<hr/>				
MUSCULOSKELETAL SYSTEM				
Bone	(50)	(50)	(50)	(50)
Fibro-Osseous Lesion				3 (6%)
Osteopetrosis				1 (2%)
Maxilla, Osteomalacia	1 (2%)			
Vertebra, Fibrosis			1 (2%)	
Skeletal Muscle	(1)	(2)	(2)	(1)
<hr/>				
NERVOUS SYSTEM				
Brain	(49)	(50)	(47)	(49)
Cyst Epithelial Inclusion			1 (2%)	
Arteriole, Meninges, Inflammation				1 (2%)
<hr/>				
RESPIRATORY SYSTEM				
Lung	(50)	(50)	(48)	(48)
Inflammation	4 (8%)	5 (10%)	2 (4%)	3 (6%)

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Lab: BAT

B6C3F1 MICE FEMALE	0 mg/L	250 mg/L	500 mg/L	1000 mg/L
Thrombosis				1 (2%)
Alveolar Epithelium, Hyperplasia	3 (6%)	2 (4%)	2 (4%)	1 (2%)
Alveolus, Infiltration Cellular, Histiocyte	3 (6%)	2 (4%)		3 (6%)
Perivascular, Infiltration Cellular, Mononuclear Cell		4 (8%)	1 (2%)	2 (4%)
Nose	(50)	(50)	(50)	(50)
Accumulation, Hyaline Droplet	1 (2%)	2 (4%)		1 (2%)
Inflammation	3 (6%)	4 (8%)	7 (14%)	4 (8%)
Glands, Dilatation	1 (2%)			
Glands, Hyperplasia			1 (2%)	1 (2%)
Goblet Cell, Hypertrophy		2 (4%)		1 (2%)
Respiratory Epithelium, Hyperplasia	1 (2%)			1 (2%)
Trachea	(50)	(50)	(46)	(46)
Inflammation				1 (2%)

## SPECIAL SENSES SYSTEM

Eye	(48)	(50)	(46)	(46)
Cataract	2 (4%)	1 (2%)		
Cornea, Hyperplasia, Squamous		1 (2%)		
Cornea, Inflammation	1 (2%)	3 (6%)	1 (2%)	
Retina, Dysplasia	1 (2%)	1 (2%)		
Retrobulbar, Inflammation				1 (2%)
Harderian Gland	(48)	(50)	(46)	(46)
Inflammation				1 (2%)
Epithelium, Hyperplasia	2 (4%)	3 (6%)	1 (2%)	2 (4%)

## URINARY SYSTEM

Kidney	(50)	(50)	(50)	(49)
Hydronephrosis	3 (6%)	2 (4%)	2 (4%)	1 (2%)
Infarct	4 (8%)	2 (4%)	5 (10%)	7 (14%)
Infiltration Cellular, Mononuclear Cell	2 (4%)		2 (4%)	1 (2%)
Inflammation	3 (6%)	4 (8%)	1 (2%)	1 (2%)
Metaplasia, Osseous	1 (2%)	3 (6%)		1 (2%)

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B6C3F1 MICE FEMALE	0 mg/L	250 mg/L	500 mg/L	1000 mg/L
Mineralization		2 (4%)	1 (2%)	
Nephropathy	40 (80%)	38 (76%)	31 (62%)	30 (61%)
Glomerulus, Amyloid Deposition		1 (2%)	1 (2%)	
Papilla, Necrosis		1 (2%)		
Renal Tubule, Cyst	1 (2%)	1 (2%)		
Renal Tubule, Hyperplasia		1 (2%)		
Renal Tubule, Necrosis	1 (2%)			
Urinary Bladder	(50)	(50)	(50)	(50)
Hyperplasia, Lymphoid		1 (2%)		
Infiltration Cellular, Mononuclear Cell	1 (2%)			
Inflammation		2 (4%)	1 (2%)	
Transitional Epithelium, Hyperplasia				1 (2%)

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

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