Experiment Number: 96014 - 06	P18: INCIDENCE RATES OF NON-NEOPLASTIC LESIONS BY ANATOMIC SITE (a) WITH AVERAGE SEVERITY GRADES[b]	Date Report Requested: 07/05/2012
Test Type: CHRONIC	Water disinfection byproducts (Bromodichloroacetic acid)	Time Report Requested: 09:41:46
Route: DOSED WATER	CAS Number: 71133-14-7	First Dose M/F: 09/26/06 / 09/25/06
Species/Strain: MICE/B6C3F1		Lab: BAT
	F1_Rev.1_M3	
NTP Study Number:	C96014B	
Lock Date:	09/09/2009	
Cage Range:	ALL	
Date Range:	ALL	

**Reasons For Removal:** 

Removal Date Range:

**Treatment Groups:** 

Study Gender:

**TDMSE** Version:

**PWG Approval Date:** 

ALL

ALL

Both

Include ALL

2.6.0.0\_007

02/02/2012

Experiment	Number:	96014 - 06
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Species/Strain: MICE/B6C3F1

Test Type: CHRONIC

Route: DOSED WATER

#### P18: INCIDENCE RATES OF NON-NEOPLASTIC LESIONS BY ANATOMIC SITE (a) WITH Date Report Requested: 07/05/2012 AVERAGE SEVERITY GRADES[b]

Water disinfection byproducts (Bromodichloroacetic acid)

CAS Number: 71133-14-7

Time Report Requested: 09:41:46 First Dose M/F: 09/26/06 / 09/25/06 Lab: BAT

B6C3F1 MICE MALE	0 mg/L	250 mg/L	500 mg/L	1000 mg/L	
Disposition Summary					
Animals Initially In Study	66	66	66	66	
Scheduled Sacrifice	16	16	16	15	
Early Deaths					
Moribund Sacrifice	15	14	27	27	
Natural Death	10	15	10	14	
Survivors					
Terminal Sacrifice	25	21	12	10	
Missing			1		
Animals Examined Microscopically	50	50	49	51	
ALIMENTARY SYSTEM					
Esophagus	(50)	(50)	(49)	(51)	
Gallbladder	(48)	(49)	(48)	(47)	
Intestine Large, Cecum	(50)	(50)	(49)	(51)	
Lymphoid Tissue, Hyperplasia		1 [3.0]		( )	
Intestine Large, Colon	(50)	(50)	(49)	(51)	
Epithelium, Hyperplasia		1 [3.0]		( )	
Intestine Large, Rectum	(50)	(50)	(49)	(51)	
Intestine Small, Duodenum	(50)	(50)	(49)	(51)	
Intestine Small, Ileum	(50)	(50)	(49)	(51)	
Inflammation	3 [1.7]	1 [2.0]			
Epithelium, Hyperplasia	2 [2.0]				
Muscularis, Hyperplasia	1 [1.0]				
Intestine Small, Jejunum	(50)	(50)	(49)	(51)	
Inflammation	1 [2.0]			2 [1.5]	
Peyer's Patch, Hyperplasia, Lymphoid		2 [3.0]		1 [4.0]	
Liver	(50)	(50)	(49)	(51)	
Amyloid Deposition			1 [1.0]		
Angiectasis	1 [3.0]		1 [2.0]	1 [2.0]	
Basophilic Focus	1	2	6	3	
Clear Cell Focus	18	14	4	14	
Congestion				1 [2.0]	
Eosinophilic Focus	30	33	30	16	

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

#### P18: INCIDENCE RATES OF NON-NEOPLASTIC LESIONS BY ANATOMIC SITE (a) WITH Date Report Requested: 07/05/2012 AVERAGE SEVERITY GRADES[b]

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: MICE/B6C3F1

Water disinfection byproducts (Bromodichloroacetic acid)

CAS Number: 71133-14-7

Time Report Requested: 09:41:46 First Dose M/F: 09/26/06 / 09/25/06 Lab: BAT

B6C3F1 MICE MALE	0 mg/L	250 mg/L	500 mg/L	1000 mg/L	
Fatty Change	11 [1.1]	1 [1.0]		4 [1.5]	
Fatty Change, Focal		1 [2.0]			
Focus Of Cellular Alteration, Atypical		19	42	43	
Hematopoietic Cell Proliferation	1 [1.0]		1 [2.0]		
Infarct		1 [4.0]	1 [4.0]	1 [4.0]	
Infiltration Cellular, Mixed Cell				1 [3.0]	
Inflammation	7 [1.3]	6 [1.5]	3 [1.7]	4 [1.3]	
Mineralization			1 [2.0]		
Mixed Cell Focus	13	6	4	5	
Tension Lipidosis	3	1			
Bile Duct, Cyst		1 [2.0]		1 [3.0]	
Capsule, Fibrosis				1 [2.0]	
Centrilobular, Fatty Change			1 [1.0]	1 [4.0]	
Hepatocyte, Necrosis	5 [1.8]	9 [1.9]	10 [2.3]	8 [2.5]	
Oval Cell, Hyperplasia	1 [2.0]		3 [1.3]		
Mesentery	(7)	(1)	(3)	(6)	
Inflammation				1 [3.0]	
Necrosis	5 [3.0]	1 [3.0]	1 [3.0]	2 [3.0]	
Pancreas	(50)	(50)	(49)	(51)	
Amyloid Deposition	1 [1.0]				
Fibrosis				1 [1.0]	
Acinus, Atrophy	2 [1.5]				
Acinus, Hyperplasia		1 [2.0]	1 [2.0]		
Duct, Cyst				1 [2.0]	
Salivary Glands	(50)	(50)	(49)	(51)	
Hyperplasia		1 [2.0]			
Stomach, Forestomach	(50)	(50)	(49)	(51)	
Inflammation	1 [2.0]	1 [1.0]		1 [2.0]	
Ulcer	3 [2.0]	1 [2.0]	1 [2.0]	2 [1.5]	
Epithelium, Hyperplasia	2 [2.5]		1 [1.0]	1 [3.0]	
Stomach, Glandular	(50)	(50)	(49)	(51)	
Amyloid Deposition			3 [1.3]	1 [2.0]	
Erosion				1 [2.0]	
Inflammation	1 [2.0]				
Mineralization	1 [1.0]				
Ulcer			2 [2.0]		

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

Soute: DSED VATER Species/Strain: MICE/B8G3F1     CAS Number: 71133-14-7     First Dose M/F: 09/26/06 / 09/26/0 Lab: BAT       scc3F1 MICE MALE     0 mg/L     250 mg/L     500 mg/L     1000 mg/L       Epithelium, hyperplasia Glands, Ectasia     2 [4.0]     1 [1.0]     1 [1.0]       Tooth     (35)     (22)     (13)     (0)       Dyslasia     1     2     0     13       Peridontal Tissue, Fibrosis     2 [2.0]     1     1     12.0]       Antra, Inflammation     1     1.00     1     1.20       Antra, Inflammation     1     1.3.0]     1     1.2.0]       Antra, Inflammation     1     1.2.0]     3.1     1.2.0]       Antra, Inflammation     1     1.2.0]     3.1     1.2.0]       Antra, Inflammation     1     1.2.0]     3.1     1.2.0]       Antra Inflammation     1     1.2.0]     3.1     1.2.0]       Antrolog, Hyperplasia     1     1.2.0]     1.2.0]     1.2.0]       Antrolog, Hyperplasia     1     1.2.0]     1.2.0]     1.2.0]	Experiment Number: 96014 - 06	P18: INCIDENCE RAT	Date Report Requested: 07/05/2012			
Species/Strain: MICE/B6GSF1     Lab: BAT       acG3F1 MICE MALE     0 mg/L     250 mg/L     1000 mg/L       acG3F1 MICE MALE     0 mg/L     260 mg/L     1000 mg/L       Epithelium, Hyperplasia     2 [4:0]     1 [1:0]     1 [1:0]       Glands, Ectasia     1     20     13     0)       Dysplasia     1     20     13     0)       Peridontal Tissue, Fibrasis     24 [1:0]     2[2:0]     0     0       CARDIOVASCULAR SYSTEM     12:0]     130     13:0]     13:0]       Heart     (50)     (50)     (49)     (51)       Cardiomyopathy     31 [1:2]     41 [1:4]     30 [1:2]     33 [1:2]       Anterols, Inflammation     1 [2:0]     1 [3:0]     1 [3:0]       Anterols, Inflammation     1 [1:0]     1 [2:0]     1 [3:0]       Anterols, Inflammation     1 [1:0]     1 [2:0]     1 [2:0]       Anterols, Inflammation     1 [1:0]     1 [2:0]     1 [2:0]       Anterols, Inflammation     1 [1:0]     1 [2:0]     1 [2:0]       Carendum, Thrombodes	Test Type: CHRONIC	Water			etic acid)	Time Report Requested: 09:41:46
Sec2:1 MCE MALE     0 mg/L     250 mg/L     500 mg/L     1000 mg/L       Epithelium, Hyperplasia     2 [4,0]     1 [1.0]     1 [1.0]     1 [1.0]       Glands, Ectasia     1 [0.0]     1 [1.0]     1 [1.0]     1 [1.0]       Tooth     (35)     (22)     (13)     (0)       Dysplasia     1     20     13     21       Peridontal Tissue, Inflammation     34 [1.0]     20     13     22       Rood Vessel     (50)     (50)     (49)     (51)       Aorta, Inflammation     1 [3.0]     1 [3.0]     1 [3.0]       Arear, Mineralization     1 [3.0]     1 [3.0]     1 [3.0]       Heart     (50)     (50)     (49)     (51)       Carciomyopathy     31 [1.2]     41 [1.4]     30 [1.2]     33 [1.2]       Artery, Inflammation     1 [3.0]     1 [3.0]     1 [3.0]     1 [3.0]       Artery, Mineralization     1 [3.0]     1 [3.0]     1 [3.0]     1 [3.0]       Artery, Mineralization     1 [2.0]     1 [2.0]     1 [2.0]     1 [2.0]	Route: DOSED WATER		CAS Numbe	r: 71133-14-7		First Dose M/F: 09/26/06 / 09/25/06
Epithelium, Hyperplasia     2 [4.0]       Glands, Ectasia     1 [1.0]     1 [1.0]       Tooth     (35)     (22)     (13)     (0)       Dysplasia     1     Matformation     34 [1.0]     20     13       Peridontal Tissue, Fibrosis     2 [2.0]     1     2     1       ActaNIOVASCULAR SYSTEM     1     1 [3.0]     1 [2.0]     1       CARDIOVASCULAR SYSTEM     1 [3.0]     1 [3.0]     1 [3.0]     1 [3.0]       Heart     (50)     (50)     (49)     (51)       Cardionyopathy     31 [1.2]     41 [1.4]     30 [1.2]     33 [1.2]       Artery, Inflammation     1 [2.0]     1     1     1       Artery, Mineralization     1 [1.0]     1 [3.0]     1     1       Artery, Mineralization     1 [1.0]     1 [2.0]     1     1     1       Artery, Mineralization     1 [1.0]     1 [2.0]     1     1     1     1       Moccardium, Inflammation     1 [2.0]     1 [2.0]     1     2     0     1 <tr< th=""><th>Species/Strain: MICE/B6C3F1</th><th></th><th></th><th></th><th></th><th>Lab: BAT</th></tr<>	Species/Strain: MICE/B6C3F1					Lab: BAT
Glands, Edasia   1 [1.0]   1 [1.0]     Tooth   (35)   (22)   (13)   (0)     Dysplasia   1   1   1   1     Malformation   34 [1.0]   20   13   1     Peridontal Tissue, Enbrosis   2 [2.0]   13   1   12.0]     CARDIOVASCULAR SYSTEM   1   12.0]   12.0]   12.0]     Aorta, Inflammation   1   1   12.0]   13.0]     Aorta, Mineralization   1   1   12.0]   13.0]     Arterole, Inflammation   1   12.0]   33 [1.2]   13.0]     Arterole, Inflammation   1   1   12.0]   33 [1.2]   33 [1.2]     Arterole, Inflammation   1   1   1   1   30 [1.2]   33 [1.2]   33 [1.2]     Arterole, Inflammation   1   1   1   1   1   30 [1.2]   33 [1.2]   1     Arterole, Inflammation   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1	B6C3F1 MICE MALE	0 mg/L	250 mg/L	500 mg/L	1000 mg/L	
Glands, Edasia   1 [1.0]   1 [1.0]     Tooth   (35)   (22)   (13)   (0)     Dysplasia   1   1   1   1     Malformation   34 [1.0]   20   13   1     Peridontal Tissue, Enbrosis   2 [2.0]   13   1   12.0]     CARDIOVASCULAR SYSTEM   1   12.0]   12.0]   12.0]     Aorta, Inflammation   1   1   12.0]   13.0]     Aorta, Mineralization   1   1   12.0]   13.0]     Arterole, Inflammation   1   12.0]   33 [1.2]   13.0]     Arterole, Inflammation   1   1   12.0]   33 [1.2]   33 [1.2]     Arterole, Inflammation   1   1   1   1   30 [1.2]   33 [1.2]   33 [1.2]     Arterole, Inflammation   1   1   1   1   1   30 [1.2]   33 [1.2]   1     Arterole, Inflammation   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1	Epithelium, Hyperplasia	2 [4.0]				
Tooh     (35)     (22)     (13)     (0)       Dysplasia     1     1     0     0     0       Matformation     34 [1.0]     20     13     1     0       Peridontal Tissue, Fibrosis     2 [2.0]     12     1     0     0       Blood Vessel     (50)     (50)     (49)     (51)     0     0       Aorta, Inflammation     1 [2.0]     1 [3.0]     1 [3.0]     0     1     0       Adra, Inflammation     1 [2.0]     30 [1.2]     33 [1.2]     Artan, Inflammation     1     0     1			1 [1.0]		1 [1.0]	
Dysplasia     1       Matromation     34 [1.0]     20     13       Peridontal Tissue, Fibrosis     2 [2.0]     13       Peridontal Tissue, Inflammation     1 [2.0]       Acrta, Inflammation     1 [2.0]       Acrta, Inflammation     1 [2.0]       Acrta, Inflammation     1 [2.0]       Acrta, Mineralization     1 [2.0]       Acrta, Mineralization     1 [3.0]       Cardiomyopathy     31 [1.2]       Arteriole, Inflammation     1 [2.0]       Arteriole, Inflammation     1 [2.0]       Arteriole, Inflammation     1 [2.0]       Arteriole, Inflammation     1 [2.0]       Artery, Inflammation     1 [2.0]       Artery, Inflammation     1 [2.0]       Artery, Inflammation     1 [2.0]       Epicardium, Fibrosis     2 [2.0]       Valve, Inflammation     1 [2.0]       Epicardium, Fibrosis     1 [1.0]       Artery, Inflammation     1 [2.0]       Peridention, Mineralization     1 [2.0]       Valve, Inflammation     1 [2.0]       Peridentin, Fibrosis     1 [1.0]		(35)		(13)		
Matormation     34 [1.0]     20     13       Peridontal Tissue, Inflammation     1 [2.0]     1       Blood Vessel     (50)     (50)     (49)     (51)       Aorta, Inflammation     1 [2.0]     1 [2.0]       Aorta, Inflammation     1 [2.0]     1 [3.0]     1 [3.0]       Heart     (50)     (50)     (49)     (51)       Cardionyopathy     31 [1.2]     41 [1.4]     30 [1.2]     33 [1.2]       Arteriole, Inflammation     1 [2.0]     1 [3.0]     1 [3.0]       Arteriole, Inflammation     1 [1.0]     1 [3.0]     1 [3.0]       Arteriole, Inflammation     1 [1.0]     1 [3.0]     1 [3.0]       Artery, Mineralization     1 [1.0]     1 [2.0]     1 [2.0]       Endocardium, Inflammation     1 [1.0]     1 [2.0]     1 [2.0]       Epicardium, Fibrosis     1 [1.0]     1 [2.0]     1 [2.0]       Valve, Inflammation     1 [2.0]     1 [2.0]     2 [2.0]       Valve, Inflammation     1 [2.0]     1 [2.0]     1 [2.0]       Expocractium, Inflammation     1 [2.0] <td< td=""><td></td><td></td><td></td><td></td><td></td><td></td></td<>						
Peridontal Tissue, Fibrosis   2 [2.0]     Peridontal Tissue, Inflammation   1 [2.0]     Acrta, Inflammation   1 [2.0]     Acrta, Inflammation   1 [2.0]     Acrta, Inflammation   1 [3.0]     Acrta, Mineralization   1 [3.0]     Heart   (50)   (50)     Cardiomyopathy   31 [1.2]   41 [1.4]   30 [1.2]     Arteriole, Hyperplasia   1 [2.0]   1 [3.0]     Arteriole, Hyperplasia   1 [2.0]   1 [2.0]     Artery, Inflammation   1 [3.0]   1 [3.0]     Artery, Mineralization   1 [3.0]   1 [2.0]     Endocardium, Inflammation   1 [2.0]   1 [2.0]     Endocardium, Inflammation   1 [2.0]   1 [2.0]     Wyocardium, Mineralization   1 [2.0]   1 [2.0]     Wyocardium, Mineralization   1 [2.0]   1 [2.0]     Valve, Inflammation   1 [2.0]   1 [2.0]     Hyperplasia   2 [1.5]   1 [1.0]		34 [1.0]	20	13		
Peridontal Tissue, Inflammation     1 [2.0]       CARDIOVASCULAR SYSTEM     Blood Vessel     (50)     (49)     (51)       Aorta, Inflammation     1 [2.0]     1 [3.0]     1 [3.0]       Aorta, Mineralization     1 [3.0]     1 [3.0]     1 [3.0]       Heart     (50)     (50)     (49)     (51)       Cardiomyopathy     31 [1.2]     41 [1.4]     30 [1.2]     33 [1.2]       Arteriole, Hyperplasia     1 [2.0]     1 [3.0]     1 [3.0]       Arteriole, Hyperplasia     1 [2.0]     1 [3.0]       Arteriole, Inflammation     1 [1.0]     1 [2.0]       Arteriole, Inflammation     1 [2.0]     1 [2.0]       Arteriole, Inflammation     1 [2.0]     1 [2.0]       Arteriole, Inflammation     1 [2.0]     2 [2.0]       Endocardium, Inflammation     1 [2.0]     2 [2.0]       Valve, Inflammation     1 [2.0]     2 [2.0]       Valve, Inflammation     1 [2.0]     2 [2.0]       Valve, Inflammation     1 [2.0]     1 [2.0]       Adrenal Cortex     (50)     (50)     (49)       <		0.[]				
Blood Vessel     (50)     (50)     (49)     (51)       Aorta, Inflammation     1 [2.0]     1 [2.0]       Aorta, Mineralization     1 [3.0]     1 [3.0]       Heart     (50)     (50)     (49)     (51)       Cardiomyopathy     31 [1.2]     41 [1.4]     30 [1.2]     33 [1.2]       Arteriole, Hyperplasia     1 [2.0]     1     Arteriole, Inflammation     1 [3.0]       Artery, Inflammation     1 [2.0]     1 [3.0]     1     1 [3.0]       Artery, Mineralization     1 [3.0]     1     1 [2.0]     1     1       Artery, Mineralization     1 [2.0]     1 [2.0]     1						
Aorta, Inflammation   1[2.0]     Aorta, Mineralization   1[3.0]     Heart   (50)   (50)     Cardiomyopathy   31 [1.2]   41 [1.4]   30 [1.2]     Arteriole, Hyperplasia   1[2.0]   33 [1.2]     Arteriole, Inflammation   1 [1.0]   1 [2.0]     Arteriole, Inflammation   1 [1.0]   1 [2.0]     Arteriole, Inflammation   1 [1.0]   1 [2.0]     Artery, Mineralization   1 [3.0]   1 [3.0]     Artery, Inflammation   1 [2.0]   1 [2.0]     Epicardium, Inflammation   1 [2.0]   1 [2.0]     Epicardium, Inflammation   1 [2.0]   1 [2.0]     Epicardium, Inflammation   1 [2.0]   1 [2.0]     Myocardium, Mineralization   1 [2.0]   1 [2.0]     Valve, Inflarmation   1 [2.0]   2 [2.0]     Valve, Inflarmation   1 [2.0]   2 [2.0]     Valve, Inflarmation   1 [2.0]   1 [2.0]     Adrenal Cortex   (50)   (50)   (49)   (50)     Angiectasis   1 [1.0]   1 [2.0]   1 [2.0]     Hyperplasia   2 [1.5]   1 [1.0]   1	CARDIOVASCULAR SYSTEM					
Aorta, Inflammation   1 [2.0]     Aorta, Mineralization   1 [3.0]   1 [3.0]     Heart   (50)   (50)   (49)   (51)     Cardiomyopathy   31 [1.2]   41 [1.4]   30 [1.2]   33 [1.2]     Arteriole, Hyperplasia   1 [2.0]   33 [1.2]   33 [1.2]     Arteriole, Inflammation   1 [2.0]   1 [3.0]   1     Artery, Mineralization   1 [3.0]   1   1     Artery, Mineralization   1 [3.0]   1   1   1     Artery, Mineralization   1 [2.0]   1   1   2.0]   1   2.0]     Endocardium, Inflammation   1 [2.0]   1 [2.0]   1   1   1   1   1   1   1	Blood Vessel	(50)	(50)	(49)	(51)	
Aorta, Mineralization   1 [3.0]   1 [3.0]     Heart   (50)   (50)   (49)   (51)     Cardiomyopathy   31 [1.2]   41 [1.4]   30 [1.2]   33 [1.2]     Arteriole, Hyperplasia   1 [2.0]   1 [3.0]     Arteriole, Inflammation   1 [1.0]   1 [2.0]     Artery, Inflammation   1 [3.0]   1 [3.0]     Artery, Inflammation   1 [3.0]   1 [3.0]     Artery, Inflammation   1 [3.0]   1 [3.0]     Artery, Inflammation   1 [2.0]   1 [2.0]     Artery, Inflammation   1 [2.0]   1 [2.0]     Endocardium, Inflarmation   1 [2.0]   1 [2.0]     Epicardium, Mineralization   1 [2.0]   2 [2.0]     Valve, Inflammation   1 [2.0]   3 [2.0]     Adrenal Cortex   (50)   (50)   (49)   (50)     Anglectasis   1 [1.0]   1 [2.0]   1 [3.0] <td>Aorta, Inflammation</td> <td></td> <td></td> <td></td> <td>1 [2.0]</td> <td></td>	Aorta, Inflammation				1 [2.0]	
Heart   (50)   (50)   (49)   (51)     Cardiomyopathy   31 [1.2]   41 [1.4]   30 [1.2]   33 [1.2]     Arteriole, Inflammation   1 [2.0]   1   1     Artery, Inflammation   1 [1.0]   1 [2.0]   1     Artery, Mineralization   1 [3.0]   1   1     Artery, Mineralization   1 [3.0]   1   1     Artery, Mineralization   1 [2.0]   1   1   1     Endocardium, Inflammation   1 [2.0]   1   1   1   1     Byocardium, Nineralization   1 [2.0]   1   1   2   1	Aorta, Mineralization			1 [3.0]		
Cardiomyopathy   31 [1.2]   41 [1.4]   30 [1.2]   33 [1.2]     Arteriole, Hyperplasia   1 [2.0]   1   1     Arteriole, Inflammation   1 [1.0]   1 [2.0]   1     Artery, Mineralization   1 [3.0]   1   1     Artery, Mineralization   1 [3.0]   1   1     Artery, Inflammation   1 [2.0]   1   1     Endocardium, Inflammation   1   1   1   1     Epicardium, Fibrosis   1   1   1   1   1     Myocardium, Mineralization   1   1   2   0   1 <td< td=""><td></td><td>(50)</td><td>(50)</td><td></td><td></td><td></td></td<>		(50)	(50)			
Arteriole, Hyperplasia   1 [2.0]     Arteriole, Inflammation   1 [1.0]     Artery, Inflammation   1 [3.0]     Artery, Inflammation   1 [3.0]     Artery, Mineralization   1 [3.0]     Artery, Mineralization   1 [2.0]     Endocardium, Inflammation   1 [2.0]     Epicardium, Fibrosis   1 [1.0]     Myocardium, Mineralization   1 [2.0]     Valve, Inflammation   1 [2.0]     Epicardium, Fibrosis   1 [2.0]     Zendocardium, Mineralization   1 [2.0]     Myocardium, Mineralization   1 [2.0]     Valve, Inflammation   1 [2.0]     ENDOCRINE SYSTEM   1 [4.0]     Adrenal Cortex   (50)   (50)   (49)   (50)     Hyperplasia   2 [1.5]   1 [1.0]   1 [2.0]     Hyperplasia   2 [1.5]   1 [1.0]   1 [4.0]     Necrosis   1 [4.0]   1 [4.0]   1 [4.0]   1 [4.0]     Subcapsular, Hyperplasia   1 [2.0]   1 [4.0]   1 [4.0]   1 [4.0]						
Arteriole, Inflammation   1 [1.0]   1 [2.0]     Artery, Inflammation   1 [3.0]     Artery, Mineralization   1 [3.0]     Artery, Mineralization   1 [3.0]     Artum, Thrombosis   2 [2.0]     Endocardium, Inflammation   1 [2.0]     Epicardium, Fibrosis   1 [1.0]     Myocardium, Mineralization   1 [2.0]     Valve, Inflammation   1 [2.0]     EDOCCRINE SYSTEM   1 [4.0]     Adrenal Cortex   (50)   (50)   (49)   (50)     Angiectasis   1 [1.0]   1 [2.0]   1 [2.0]     Hyperplasia   2 [1.5]   1 [1.0]   1 [2.0]     Hypertrophy   14 [1.6]   21 [1.6]   9 [1.7]   9 [1.1]     Necrosis   1 [2.0]   1 [2.0]   1 [4.0]   1 [4.0]					( )	
Artery, Inflammation   1 [3.0]     Artery, Mineralization   1 [3.0]     Artery, Mineralization   1 [3.0]     Artirum, Thrombosis   2 [2.0]     Endocardium, Inflammation   1 [2.0]     Epicardium, Fibrosis   1 [1.0]     Myocardium, Mineralization   1 [2.0]     Valve, Inflammation   1 [2.0]     Explored and the end of t			1 [2.0]			
Artery, Mineralization   1 [3.0]     Atrium, Thrombosis   2 [2.0]     Endocardium, Inflammation   1 [2.0]     Epicardium, Fibrosis   1 [1.0]     Myocardium, Mineralization   1 [2.0]     Valve, Inflammation   1 [2.0]     Explored rule, Mineralization   1 [2.0]     Valve, Inflammation   1 [2.0]     Myocardium, Mineralization   1 [2.0]     Valve, Inflammation   1 [2.0]     Adrenal Cortex   (50)   (50)     Angiectasis   1 [1.0]   1 [2.0]     Hyperplasia   2 [1.5]   1 [1.0]     Hypertrophy   14 [1.6]   21 [1.6]   9 [1.7]     Necrosis   1 [2.0]   1 [4.0]     Subcapsular, Hyperplasia   1 [2.0]   1 [4.0]     Adrenal Medulla   (50)   (50)   (49)   (50)		. []	.[]		1 [3.0]	
Atrium, Thrombosis   2 [2.0]   1 [2.0]     Endocardium, Inflammation   1 [1.0]     Epicardium, Fibrosis   1 [1.0]     Myocardium, Mineralization   1 [2.0]     Valve, Inflammation   1 [2.0]     ENDOCRINE SYSTEM   1 [2.0]     Adrenal Cortex   (50)   (50)   (49)   (50)     Angiectasis   1 [1.0]   1 [2.0]   1 [2.0]     Hyperplasia   2 [1.5]   1 [1.0]   1 [2.0]     Hypertrophy   14 [1.6]   21 [1.6]   9 [1.7]   9 [1.1]     Necrosis   1 [2.0]   1 [2.0]   1 [4.0]   1 [4.0]     Subcapsular, Hyperplasia   1 [2.0]   1 [2.0]   1 [4.0]	-			1 [3 0]	. [0.0]	
Endocardium, Inflammation   1 [2.0]     Epicardium, Fibrosis   1 [1.0]     Myocardium, Mineralization   1 [2.0]     Valve, Inflammation   1 [2.0]     ENDOCRINE SYSTEM   1 [2.0]     Adrenal Cortex   (50)   (50)   (49)   (50)     Angiectasis   1 [1.0]   1 [2.0]   1 [2.0]     Hyperplasia   2 [1.5]   1 [1.0]   1 [2.0]     Hypertophy   14 [1.6]   21 [1.6]   9 [1.7]   9 [1.1]     Necrosis   1 [2.0]   1 [4.0]   1 [4.0]   1 [4.0]     Adrenal Medulla   (50)   (50)   (49)   (50)	-	2 [2 0]				
Epicardium, Fibrosis   1 [1.0]     Myocardium, Mineralization   1 [2.0]     Valve, Inflammation   1 [2.0]     ENDOCRINE SYSTEM     Adrenal Cortex   (50)   (50)     Angiectasis   1 [1.0]   1 [2.0]     Hyperplasia   2 [1.5]   1 [1.0]     Hypertrophy   14 [1.6]   21 [1.6]   9 [1.7]   9 [1.1]     Necrosis   1 [2.0]   1 [4.0]   1 [4.0]     Subcapsular, Hyperplasia   1 [2.0]   1 [4.0]   1 [4.0]		<u>     [</u> .0]		. [=:0]	1 [2 0]	
Myocardium, Mineralization   1 [2.0]   1 [2.0]   2 [2.0]     Valve, Inflammation   1 [4.0]   2 [2.0]     ENDOCRINE SYSTEM   600   (50)   (49)   (50)     Adrenal Cortex   (50)   (50)   (49)   (50)     Angiectasis   1 [1.0]   1 [2.0]   1 [2.0]     Hyperplasia   2 [1.5]   1 [1.0]   1 [1.0]     Hypertrophy   14 [1.6]   21 [1.6]   9 [1.7]   9 [1.1]     Necrosis   1 [2.0]   1 [4.0]   1 [4.0]     Subcapsular, Hyperplasia   1 [2.0]   1 [2.0]   1 [4.0]		1 [1 0]			· [2.0]	
Valve, Inflammation   1 [4.0]     ENDOCRINE SYSTEM     Adrenal Cortex   (50)   (50)   (49)   (50)     Angiectasis   1 [1.0]   1 [2.0]     Hyperplasia   2 [1.5]   1 [1.0]     Hypertrophy   14 [1.6]   21 [1.6]   9 [1.7]   9 [1.1]     Necrosis   1 [4.0]     Subcapsular, Hyperplasia   1 [2.0]     Adrenal Medulla   (50)   (50)   (49)   (50)	-			1 [2 0]	2 [2 0]	
Adrenal Cortex   (50)   (50)   (49)   (50)     Angiectasis   1 [1.0]   1 [2.0]     Hyperplasia   2 [1.5]   1 [1.0]     Hypertrophy   14 [1.6]   21 [1.6]   9 [1.7]     Necrosis   1 [4.0]   1 [4.0]     Subcapsular, Hyperplasia   50)   (50)   (49)	-			1 [2.0]	2 [2.0]	
Angiectasis   1 [1.0]   1 [2.0]     Hyperplasia   2 [1.5]   1 [1.0]     Hypertrophy   14 [1.6]   21 [1.6]   9 [1.7]     Necrosis   1 [4.0]     Subcapsular, Hyperplasia   50)   (50)   (49)	ENDOCRINE SYSTEM					
Angiectasis   1 [1.0]   1 [2.0]     Hyperplasia   2 [1.5]   1 [1.0]     Hypertrophy   14 [1.6]   21 [1.6]   9 [1.7]     Necrosis   1 [4.0]     Subcapsular, Hyperplasia   50)   (50)   (49)	Adrenal Cortex	(50)	(50)	(49)	(50)	
Hyperplasia 2 [1.5] 1 [1.0]   Hypertrophy 14 [1.6] 21 [1.6] 9 [1.7] 9 [1.1]   Necrosis 1 [4.0]   Subcapsular, Hyperplasia 1 [2.0]   Adrenal Medulla (50) (50) (49) (50)	Angiectasis					
Hypertrophy 14 [1.6] 21 [1.6] 9 [1.7] 9 [1.1]   Necrosis 1 [4.0]   Subcapsular, Hyperplasia 1 [2.0]   Adrenal Medulla (50) (50) (49) (50)	Hyperplasia					
Necrosis1 [4.0]Subcapsular, Hyperplasia1 [2.0]Adrenal Medulla(50)(50)(49)(50)(50)(50)		14 [1.6]		9 [1.7]		
Subcapsular, Hyperplasia1 [2.0]Adrenal Medulla(50)(50)(49)(50)(50)(50)						
Adrenal Medulla (50) (50) (49) (50)				1 [2.0]		
		(50)	(50)		(50)	
	Angiectasis	1 [2.0]	. /	. /	. ,	

# P18: INCIDENCE RATES OF NON-NEOPLASTIC LESIONS BY ANATOMIC SITE (a) WITH Date Report Requested: 07/05/2012 AVERAGE SEVERITY GRADES[b]

Test Type: CHRONIC Route: DOSED WATER

Species/Strain: MICE/B6C3F1

# Water disinfection byproducts (Bromodichloroacetic acid)

#### CAS Number: 71133-14-7

Time Report Requested: 09:41:46 First Dose M/F: 09/26/06 / 09/25/06 Lab: BAT

B6C3F1 MICE MALE	0 mg/L	250 mg/L	500 mg/L	1000 mg/L	
Hyperplasia		1 [4.0]	1 [1.0]	1 [2.0]	
Mineralization				1 [1.0]	
Necrosis				1 [4.0]	
Islets, Pancreatic	(50)	(50)	(49)	(51)	
Parathyroid Gland	(44)	(45)	(44)	(44)	
Pituitary Gland	(50)	(49)	(49)	(51)	
Cyst		5 [1.4]		2 [1.0]	
Pars Distalis, Hyperplasia	1 [1.0]	2 [1.0]	4 [1.0]		
Thyroid Gland	(50)	(50)	(49)	(51)	
Cyst		1 [2.0]			
C-cell, Hyperplasia		1 [1.0]			
Follicle, Cyst	1 [1.0]	3 [1.7]	1 [1.0]	1 [2.0]	
Follicular Cell, Hyperplasia			1 [1.0]		
GENERAL BODY SYSTEM					
Peritoneum	(0)	(0)	(0)	(1)	
GENITAL SYSTEM					
Epididymis	(50)	(50)	(49)	(51)	
Atrophy		7 [1.9]	10 [2.0]	17 [2.1]	
Granuloma Sperm				1 [3.0]	
Hypospermia		1 [2.0]		17 [2.7]	
Inflammation	2 [2.0]	1 [2.0]	1 [1.0]		
Epithelium, Degeneration	1 [3.0]	1 [2.0]	10 [1.6]	6 [1.3]	
Mesothelium, Hyperplasia			1 [1.0]	1 [1.0]	
Penis	(0)	(1)	(0)	(0)	
Hyperplasia, Squamous		1 [3.0]	. /		
Preputial Gland	(50)	(50)	(49)	(51)	
Atrophy		1 [2.0]	. ,		
Inflammation	7 [1.9]	4 [1.3]	3 [1.7]	8 [1.8]	
Duct, Ectasia	6 [2.0]	6 [2.5]	5 [2.2]	10 [2.4]	
Prostate	(50)	(50)	(49)	(51)	
Atrophy				1 [3.0]	

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

Experiment Number: 96014 - 06	P18: INCIDENCE RATI	Date Report Requested: 07/05/2012			
Test Type: CHRONIC	Water of	AVERAGE SEVE disinfection byproduct		etic acid)	Time Report Requested: 09:41:46
Route: DOSED WATER			<b>r:</b> 71133-14-7	,	First Dose M/F: 09/26/06 / 09/25/06
Species/Strain: MICE/B6C3F1					Lab: BAT
B6C3F1 MICE MALE	0 mg/L	250 mg/L	500 mg/L	1000 mg/L	
Inflammation	3 [1.7]	3 [2.0]	1 [4.0]	2 [1.5]	
Arteriole, Inflammation				1 [3.0]	
Seminal Vesicle	(50)	(50)	(49)	(51)	
Atrophy		1 [2.0]		1 [3.0]	
Dilatation	1 [3.0]	1 [3.0]	1 [3.0]		
Inflammation	2 [2.5]	2 [3.5]	3 [2.3]	1 [4.0]	
Testes	(50)	(50)	(49)	(51)	
Atrophy	4 [1.3]	6 [2.2]	13 [2.4]	23 [2.9]	
Fibrosis		1 [2.0]			
HEMATOPOIETIC SYSTEM					
Bone Marrow	(50)	(50)	(49)	(51)	
Angiectasis				2 [2.0]	
Hyperplasia		2 [2.0]			
Necrosis		1 [3.0]			
Lymph Node	(0)	(1)	(2)	(5)	
Axillary, Hyperplasia, Plasma Cell			. ,	1 [3.0]	
Lumbar, Hyperplasia, Lymphoid		1 [3.0]			
Lumbar, Hyperplasia, Plasma Cell		1 [2.0]		1 [2.0]	
Lumbar, Inflammation, Suppurative				1 [3.0]	
Renal, Hyperplasia, Plasma Cell				1 [2.0]	
Lymph Node, Mandibular	(50)	(50)	(49)	(51)	
Degeneration, Cystic			( )	1 [2.0]	
Hyperplasia, Lymphoid		1 [2.0]			
Hyperplasia, Plasma Cell	3 [2.0]	1 [2.0]		1 [3.0]	
Lymph Node, Mesenteric	(50)	(48)	(48)	(48)	
Hematopoietic Cell Proliferation	( ),	1 [2.0]			
Hemorrhage				2 [2.5]	
Hyperplasia, Lymphoid				1 [3.0]	
Hyperplasia, Plasma Cell	2 [2.0]	4 [1.8]		1 [3.0]	
Necrosis, Lymphoid	L - J	L - J		1 [2.0]	
Spleen	(50)	(50)	(49)	(50)	
Atrophy	<u> </u>	()	3 [2.0]	1 [3.0]	
				6 ° 4	

Experiment Number: 96014 - 06	P18: INCIDENCE RAT	Date Report Requested: 07/05/2012 Time Report Requested: 09:41:46 First Dose M/F: 09/26/06 / 09/25/06 Lab: BAT			
Test Type: CHRONIC Route: DOSED WATER Species/Strain: MICE/B6C3F1	Water				
B6C3F1 MICE MALE	0 mg/L	250 mg/L	500 mg/L	1000 mg/L	
Hyperplasia, Lymphoid Infarct	4 [1.8]	7 [2.1]	5 [1.8] 1 [4.0]	5 [2.2]	
Thymus Atrophy	(45)	(45) 1 [1.0]	(45)	(44)	
Mineralization	1 [1.0]				
INTEGUMENTARY SYSTEM					
Mammary Gland	(5)	(3)	(4)	(7)	
Skin	(50)	(50)	(49)	(51)	
Inflammation, Suppurative	1 [2 0]	2 [2 5]	1 [4.0]	1 [4 0]	
Ulcer Dermis, Fibrosis	1 [2.0]	2 [3.5] 1 [3.0]	1 [4.0]	1 [4.0]	
Epidermis, Hyperplasia		1 [2.0]			
		1 [2.0]			
MUSCULOSKELETAL SYSTEM					
Bone	(50)	(50)	(49)	(51)	
Cranium, Periosteum, Fibrosis				1 [2.0]	
Femur, Osteopetrosis		1 [2.0]			
Skeletal Muscle	(0)	(2)	(2)	(2)	
NERVOUS SYSTEM				· · · · · · · · · · · · · · · · · · ·	
Brain	(50)	(50)	(49)	(51)	
Cerebrum, Demyelination			1 [2.0]	. ,	
Peripheral Nerve	(2)	(1)	(0)	(0)	
Degeneration	1 [1.0]	1 [2.0]			
Spinal Cord	(2)	(1)	(0)	(0)	
Demyelination		1 [1.0]			

**RESPIRATORY SYSTEM** 

a - Number of animals examined microscopically at site and number of animals with lesion b-Average severity grade(1-minimal;2-mild;3-moderate;4-marked)

Experiment Number: 96014 - 06	P18: INCIDENCE RAT	Date Report Requested: 07/05/2012 Time Report Requested: 09:41:46			
Test Type: CHRONIC	Water				
Route: DOSED WATER		CAS Numbe	<b>r:</b> 71133-14-7	,	First Dose M/F: 09/26/06 / 09/25/06
Species/Strain: MICE/B6C3F1					Lab: BAT
B6C3F1 MICE MALE	0 mg/L	250 mg/L	500 mg/L	1000 mg/L	
Lung	(50)	(50)	(49)	(51)	
Inflammation	1 [2.0]		3 [1.3]	4 [1.0]	
Thrombosis	1 [1.0]	2 [2.5]		2 [1.5]	
Alveolar Epithelium, Hyperplasia	2 [1.5]	2 [2.0]	4 [2.0]	4 [1.0]	
Alveolus, Infiltration Cellular, Histiocyte		1 [3.0]	4 [1.0]	1 [1.0]	
Capillary, Thrombosis				1 [1.0]	
Perivascular, Infiltration Cellular, Mononuclear Cell	1 [1.0]				
Vein, Mineralization			1 [2.0]		
Nose	(50)	(50)	(49)	(51)	
Inflammation	5 [1.2]	9 [1.0]	7 [1.3]	9 [1.0]	
Glands, Dilatation	- 1 - 1	- [ -]	1 [1.0]	- 1 - 1	
Glands, Fibrosis			1 [3.0]		
Glands, Hyperplasia		3 [1.0]	2 [1.0]		
Respiratory Epithelium, Hyperplasia		1 [2.0]	-[]		
Respiratory Epithelium, Metaplasia		1 [2.0]			
Turbinate, Fibrosis, Focal		. [=.0]		1 [2.0]	
Trachea	(50)	(50)	(49)	(51)	
Inflammation	(00)	(00)	(10)	1 [1.0]	
Peritracheal Tissue, Cyst	1 [4.0]			. []	
SPECIAL SENSES SYSTEM					
Eye	(50)	(50)	(49)	(51)	
Cataract	1 [2.0]		1 [2.0]	1 [3.0]	
Phthisis Bulbi			-	2	
Synechia	1 [2.0]			1 [4.0]	
Cornea, Inflammation		2 [1.5]	2 [2.5]	1 [2.0]	
Optic Nerve, Degeneration	1 [3.0]	1 [1.0]			
Retina, Dysplasia	1 [2.0]	1 [1.0]	1 [2.0]		
Harderian Gland	(50)	(50)	(49)	(51)	
Inflammation			. /	1 [3.0]	
Epithelium, Hyperplasia	1 [2.0]	1 [1.0]	3 [2.3]	4 [2.0]	

a - Number of animals examined microscopically at site and number of animals with lesion b-Average severity grade(1-minimal;2-mild;3-moderate;4-marked)

Experiment	Number:	96014 - 06
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Species/Strain: MICE/B6C3F1

Test Type: CHRONIC

Route: DOSED WATER

# P18: INCIDENCE RATES OF NON-NEOPLASTIC LESIONS BY ANATOMIC SITE (a) WITH Date Report Requested: 07/05/2012 AVERAGE SEVERITY GRADES[b]

Water disinfection byproducts (Bromodichloroacetic acid)

CAS Number: 71133-14-7

Time Report Requested: 09:41:46 First Dose M/F: 09/26/06 / 09/25/06 Lab: BAT

B6C3F1 MICE MALE	0 mg/L	250 mg/L	500 mg/L	1000 mg/L	
URINARY SYSTEM					
Kidney	(50)	(50)	(49)	(51)	
Atrophy, Diffuse				1 [4.0]	
Casts Protein				1 [4.0]	
Hydronephrosis	2 [1.0]		1 [2.0]	1 [1.0]	
Infarct	3 [1.7]	3 [2.3]		5 [1.8]	
Infiltration Cellular, Mononuclear Cell		1 [2.0]		2 [2.0]	
Inflammation	3 [3.0]	4 [1.8]	2 [3.0]	3 [1.7]	
Metaplasia, Osseous		3 [1.7]			
Mineralization	2 [1.0]	1 [2.0]	1 [1.0]		
Nephropathy	49 [1.4]	47 [1.5]	45 [1.7]	42 [1.7]	
Papilla, Necrosis	1 [3.0]		1 [3.0]	-	
Renal Tubule, Cyst	4 [1.0]	3 [2.3]	1 [1.0]		
Renal Tubule, Hyperplasia		2 [1.0]			
Ureter	(1)	(0)	(0)	(0)	
Urethra	(1)	(0)	(0)	(0)	
Urinary Bladder	(50)	(50)	(49)	(51)	
Infiltration Cellular, Mononuclear Cell		·	·	1 [2.0]	
Inflammation	2 [1.5]			1 [1.0]	
Metaplasia, Squamous	1 [2.0]				
Transitional Epithelium, Hyperplasia				1 [3.0]	

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

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

<b>Experiment Number:</b>	96014 - 06
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Species/Strain: MICE/B6C3F1

Test Type: CHRONIC

Route: DOSED WATER

# P18: INCIDENCE RATES OF NON-NEOPLASTIC LESIONS BY ANATOMIC SITE (a) WITH Date Report Requested: 07/05/2012 AVERAGE SEVERITY GRADES[b]

Water disinfection byproducts (Bromodichloroacetic acid)

CAS Number: 71133-14-7

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	
Disposition Summary					
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			
Epithelium, Hyperplasia		1 [2.0]			
Lymphoid Tissue, Hyperplasia		1 [2.0]			
Intestine Large, Colon	(50)	(50)	(50)	(50)	
Serosa, Inflammation			1 [3.0]	( )	
Intestine Large, Rectum	(49)	(50)	(50)	(50)	
Serosa, Inflammation	· · ·		1 [3.0]	· · /	
Intestine Small, Duodenum	(49)	(50)	(50)	(49)	
Intestine Small, Ileum	(50)	(50)	(50)	(49)	
Inflammation	1 [1.0]	1 [2.0]	1 [2.0]	、 <i>,</i>	
Intestine Small, Jejunum	(50)	(50)	(50)	(50)	
Inflammation			. ,	1 [1.0]	
Epithelium, Hyperplasia		1 [2.0]			
Peyer's Patch, Hyperplasia, Lymphoid				1 [4.0]	
Peyer's Patch, Mineralization		1 [1.0]		- •	
Liver	(49)	(50)	(49)	(50)	
Angiectasis		1 [2.0]	6 [2.3]	3 [2.3]	
Basophilic Focus	3	1	1	3	
Clear Cell Focus	5	5	8	5	

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

Experiment Number: 96014 - 06	P18: INCIDENCE RATE	P18: INCIDENCE RATES OF NON-NEOPLASTIC LESIONS BY ANATOMIC SITE (a) WITH AVERAGE SEVERITY GRADES[b] Water disinfection byproducts (Bromodichloroacetic acid)					
Fest Type: CHRONIC	Water						
Route: DOSED WATER		CAS Numbe	er: 71133-14-7		First Dose M/F: 09/26/06 / 09/25/06		
Species/Strain: MICE/B6C3F1		Lab: BAT					
B6C3F1 MICE FEMALE	0 mg/L	250 mg/L	500 mg/L	1000 mg/L			
Eosinophilic Focus	22	33	38	40			
Fatty Change	4 [1.0]	2 [1.0]	2 [1.5]	1 [3.0]			
Fatty Change, Focal	L - J	1 - 1	r - 1	2			
Focus Of Cellular Alteration, Atypical		2	6	16			
Hematopoietic Cell Proliferation	1 [1.0]	2 [2.5]	2 [1.5]				
Hemorrhage	1 [3.0]	- [0]	2[1:0]				
Infarct	1 [0:0]	1 [4.0]					
Inflammation	27 [1.1]	18 [1.2]	9 [1.3]	15 [1.0]			
Mineralization	27 [1:1]	1 [2.0]	1 [2.0]	10[1.0]			
Mixed Cell Focus	4	10	4	4			
	4	10	4				
Pigmentation	4	4	0	1 [1.0]			
Tension Lipidosis	4	1	3	4 [0 0]			
Thrombosis			1 [3.0]	1 [3.0]			
Bile Duct, Cyst	1 [2.0]						
Bile Duct, Hyperplasia	2 [1.0]	4 [1.0]	3 [1.0]	3 [1.0]			
Centrilobular, Fatty Change		2 [3.0]					
Hepatocyte, Hypertrophy		1 [2.0]					
Hepatocyte, Necrosis	2 [2.0]	4 [1.8]	2 [1.5]	6 [2.2]			
Oval Cell, Hyperplasia			1 [1.0]	1 [1.0]			
Portal, Fibrosis			1 [2.0]				
Mesentery	(10)	(13)	(13)	(10)			
Inflammation	1 [3.0]						
Necrosis	7 [3.0]	11 [3.0]	11 [3.0]	9 [3.0]			
Oral Mucosa	(2)	(2)	(0)	(0)			
Gingival, Hyperplasia	1 [2.0]						
Pharyngeal, Hyperplasia		2 [1.5]					
Pharyngeal, Inflammation	1 [1.0]	L - 1					
Pancreas	(49)	(50)	(50)	(48)			
Inflammation	(10)	1 [3.0]	(00)	(10)			
Mineralization, Focal		1 [2.0]					
Acinus, Atrophy		3 [2.7]	1 [2.0]				
		5 [2.7]					
Acinus, Hyperplasia			1 [2.0]	4 [4 0]			
Duct, Cyst	(10)	(40)	(4.4)	1 [4.0]			
Salivary Glands	(48)	(49)	(44)	(45)			
Stomach, Forestomach	(50)	(50)	(50)	(50)			
Inflammation			1 [2.0]	1 [1.0]			

b-Average severity grade(1-minimal;2-mild;3-moderate;4-marked)

# P18: INCIDENCE RATES OF NON-NEOPLASTIC LESIONS BY ANATOMIC SITE (a) WITH Date Report Requested: 07/05/2012 AVERAGE SEVERITY GRADES[b]

Test Type: CHRONIC Route: DOSED WATER

# Species/Strain: MICE/B6C3F1

Water disinfection byproducts (Bromodichloroacetic acid)

CAS Number: 71133-14-7

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	
Ulcer	1 [3.0]			1 [3.0]	
Epithelium, Hyperplasia				2 [2.0]	
Stomach, Glandular	(50)	(50)	(50)	(50)	
Inflammation	1 [1.0]				
Mineralization	1 [2.0]	3 [1.0]			
Epithelium, Hyperplasia				2 [2.5]	
Glands, Ectasia	2 [1.0]			2 [1.0]	
Tongue	(0)	(0)	(0)	(1)	
Tooth	(0)	(2)	(0)	(1)	
Malformation	. ,			1	
Pulp, Inflammation		2 [1.5]			
CARDIOVASCULAR SYSTEM					
Blood Vessel	(50)	(50)	(48)	(49)	
Heart	(50)	(50)	(48)	(48)	
Cardiomyopathy	38 [1.2]	34 [1.2]	33 [1.2]	35 [1.2]	
Atrium, Thrombosis				1 [4.0]	
Endocardium, Inflammation	1 [2.0]			1 [3.0]	
Myocardium, Inflammation	1 [1.0]				
Myocardium, Mineralization	1 [1.0]				
Valve, Thrombosis				1 [3.0]	
Ventricle, Thrombosis	1 [2.0]	1 [3.0]		.[]	
ENDOCRINE SYSTEM					
Adrenal Cortex	(49)	(50)	(47)	(49)	
Degeneration, Cystic		2 [1.5]			
Degeneration, Fatty			1 [3.0]		
Hematopoietic Cell Proliferation		3 [1.7]	1 [3.0]	1 [2.0]	
Hyperplasia	7 [1.1]	12 [1.1]	5 [1.0]	1 [1.0]	
Hypertrophy	5 [1.0]	10 [1.1]	3 [1.0]	5 [1.2]	
Infiltration Cellular, Mononuclear Cell	1 [2.0]			1 [1.0]	
Necrosis	1 [2.0]				
Vacuolization Cytoplasmic		2 [2.5]			

#### P18: INCIDENCE RATES OF NON-NEOPLASTIC LESIONS BY ANATOMIC SITE (a) WITH Date Report Requested: 07/05/2012 AVERAGE SEVERITY GRADES[b]

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: MICE/B6C3F1

# Water disinfection byproducts (Bromodichloroacetic acid)

#### CAS Number: 71133-14-7

Time Report Requested: 09:41:46 First Dose M/F: 09/26/06 / 09/25/06 Lab: BAT

36C3F1 MICE FEMALE	0 mg/L	250 mg/L	500 mg/L	1000 mg/L	
Adrenal Medulla	(50)	(50)	(48)	(49)	
Amyloid Deposition		1 [1.0]			
Hyperplasia	2 [1.5]	1 [2.0]			
Infiltration Cellular, Mononuclear Cell			1 [2.0]		
Islets, Pancreatic	(49)	(50)	(50)	(48)	
Parathyroid Gland	(45)	(46)	(41)	(38)	
Cyst	2 [1.5]			1 [1.0]	
Pituitary Gland	(49)	(49)	(46)	(48)	
Angiectasis	3 [2.0]				
Cyst	2 [1.5]	1 [2.0]		2 [2.5]	
Mineralization	1 [1.0]				
Pars Distalis, Hyperplasia	14 [2.1]	12 [2.2]	8 [1.8]	11 [1.6]	
Thyroid Gland	(49)	(50)	(46)	(45)	
Infiltration Cellular, Mononuclear Cell	1 [1.0]		1 [1.0]		
Inflammation		2 [1.0]		1 [2.0]	
C-cell, Hyperplasia		2 [1.0]		1 [1.0]	
Follicle, Cyst	1 [2.0]	6 [1.5]	4 [1.5]	3 [2.0]	
Follicular Cell, Hyperplasia			1 [4.0]		

None

#### **GENITAL SYSTEM**

Clitoral Gland	(47)	(50)	(50)	(48)
Ovary	(50)	(50)	(50)	(50)
Angiectasis		1 [2.0]	. ,	. ,
Atrophy				2 [3.5]
Cyst	4 [2.5]	3 [2.0]	5 [3.2]	4 [1.8]
Infiltration Cellular, Mononuclear Cell	1 [1.0]			1 [3.0]
Mineralization			1 [1.0]	1 [1.0]
Pigmentation, Hemosiderin			1 [2.0]	
Periovarian Tissue, Inflammation			1 [4.0]	
Uterus	(50)	(50)	(50)	(50)

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

Test Type: CHRONIC Route: DOSED WATER Species/Strain: MICE/B6C3F1	Water o	lisinfection byproduct CAS Numbe	Time Report Requested: 09:41:4 First Dose M/F: 09/26/06 / 09/25/0 Lab: BAT		
B6C3F1 MICE FEMALE	0 mg/L	250 mg/L	500 mg/L	1000 mg/L	
Angiectasis	2 [2.5]				
Infiltration Cellular, Mononuclear Cell				1 [2.0]	
Inflammation	4 [3.3]	2 [3.5]		2 [2.0]	
Mineralization		1 [1.0]			
Thrombosis			1 [4.0]		
Endometrium, Hyperplasia, Cystic	44 [3.3]	45 [3.2]	37 [2.8]	38 [2.9]	
Endometrium, Hyperplasia, Reticulum Cell	1 [2.0]				
Vagina	(0)	(0)	(0)	(1)	
HEMATOPOIETIC SYSTEM					
Bone Marrow	(50)	(50)	(50)	(50)	
Angiectasis				1 [2.0]	
Hyperplasia	1 [2.0]				
Necrosis			1 [1.0]		
Lymph Node	(2)	(3)	(3)	(5)	
Inguinal, Hyperplasia				1 [3.0]	
Lumbar, Hyperplasia, Plasma Cell		1 [2.0]	1 [3.0]		
Mediastinal, Hyperplasia, Plasma Cell		1 [2.0]			
Mediastinal, Inflammation				1 [3.0]	
Renal, Degeneration, Cystic		1 [4.0]			
Lymph Node, Mandibular	(48)	(49)	(44)	(45)	
Hematopoietic Cell Proliferation	. ,	1 [2.0]	. ,	. ,	
Hyperplasia, Lymphoid	1 [2.0]	2 [2.0]			
Inflammation	1 [2.0]				
Lymph Node, Mesenteric	(48)	(50)	(47)	(47)	
Degeneration, Cystic	. ,	1 [4.0]	. ,	. ,	
Hematopoietic Cell Proliferation		2 [1.5]			
Hyperplasia, Lymphoid	1 [2.0]	2 [2.5]	1 [2.0]		
Hyperplasia, Plasma Cell		3 [2.3]			
Inflammation		2 [1.0]	1 [3.0]		
Spleen	(49)	(50)	(50)	(48)	
Accessory Spleen	. ,	1	. ,		
Hematopoietic Cell Proliferation	5 [2.6]	4 [2.5]	2 [2.0]	4 [2.8]	
Hyperplasia, Lymphoid	16 [2.3]	16 [2.1]	11 [2.3]	10 [2.1]	

P18: INCIDENCE RATES OF NON-NEOPLASTIC LESIONS BY ANATOMIC SITE (a) WITH Date Report Requested: 07/05/2012 AVERAGE SEVERITY GRADES[b]

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

b-Average severity grade(1-minimal;2-mild;3-moderate;4-marked)

Experiment Number: 96014 - 06

Experiment Number: 96014 - 06	P18: INCIDENCE RAT	P18: INCIDENCE RATES OF NON-NEOPLASTIC LESIONS BY ANATOMIC SITE (a) WITH AVERAGE SEVERITY GRADES[b]					
Test Type: CHRONIC Route: DOSED WATER Species/Strain: MICE/B6C3F1 B6C3F1 MICE FEMALE	Water	Time Report Requested: 09:41:46 First Dose M/F: 09/26/06 / 09/25/06 Lab: BAT					
	0 mg/L	250 mg/L	500 mg/L	1000 mg/L			
Infarct Necrosis	1 [4.0]			4 [2 0]			
Pigmentation, Hemosiderin	2 [1.5]	4 [1.3]		1 [2.0]			
Thymus	(50)	(50)	(46)	(46)			
Hyperplasia, Lymphoid	1 [4.0]	(50)	(+0)	(-0)			
INTEGUMENTARY SYSTEM							
Mammary Gland Hyperplasia	(50)	(50)	(49) 1 [3.0]	(50)			
Inflammation			. [0:0]	1 [1.0]			
Skin	(50)	(50)	(50)	(50)			
Inflammation, Granulomatous		( )		1 [4.0]			
MUSCULOSKELETAL SYSTEM							
Bone	(50)	(50)	(50)	(50)			
Fibro-Osseous Lesion	()	()	()	3 [1.7]			
Osteopetrosis				1 [1.0]			
Maxilla, Osteomalacia	1 [2.0]						
Vertebra, Fibrosis			1 [2.0]				
Skeletal Muscle	(1)	(2)	(2)	(1)			
NERVOUS SYSTEM			·				
Brain	(49)	(50)	(47)	(49)			
Cyst Epithelial Inclusion			1				
Arteriole, Meninges, Inflammation				1 [1.0]			
RESPIRATORY SYSTEM							
Lung	(50)	(50)	(48)	(48)			
Inflammation	4 [1.5]	5 [1.2]	2 [1.5]	3 [1.0]			

# P18: INCIDENCE RATES OF NON-NEOPLASTIC LESIONS BY ANATOMIC SITE (a) WITH Date Report Requested: 07/05/2012 AVERAGE SEVERITY GRADES[b]

Test Type: CHRONIC

#### Route: DOSED WATER

Species/Strain: MICE/B6C3F1

# Water disinfection byproducts (Bromodichloroacetic acid)

# CAS Number: 71133-14-7

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	
Thrombosis				1 [2.0]	
Alveolar Epithelium, Hyperplasia	3 [1.7]	2 [1.5]	2 [2.0]	1 [1.0]	
Alveolus, Infiltration Cellular, Histiocyte	3 [1.0]	2 [2.0]		3 [1.3]	
Perivascular, Infiltration Cellular, Mononuclear Cell		4 [2.0]	1 [2.0]	2 [1.5]	
Nose	(50)	(50)	(50)	(50)	
Accumulation, Hyaline Droplet	1 [2.0]	2 [1.5]		1 [1.0]	
Inflammation	3 [1.3]	4 [1.0]	7 [1.4]	4 [1.0]	
Glands, Dilatation	1 [1.0]				
Glands, Hyperplasia			1 [1.0]	1 [1.0]	
Goblet Cell, Hypertrophy		2 [2.0]		1 [2.0]	
Respiratory Epithelium, Hyperplasia	1 [2.0]			1 [1.0]	
Trachea	(50)	(50)	(46)	(46)	
Inflammation				1 [1.0]	
SPECIAL SENSES SYSTEM		,			
Eye	(48)	(50)	(46)	(46)	
Cataract	2 [1.5]	1 [2.0]			
Cornea, Hyperplasia, Squamous		1 [1.0]			
Cornea, Inflammation	1 [3.0]	3 [1.0]	1 [2.0]		
Retina, Dysplasia	1 [1.0]	1 [1.0]			
Retrobulbar, Inflammation				1 [2.0]	
Harderian Gland	(48)	(50)	(46)	(46)	
Inflammation				1 [2.0]	
Epithelium, Hyperplasia	2 [2.5]	3 [1.3]	1 [2.0]	2 [1.5]	
URINARY SYSTEM					
Kidney	(50)	(50)	(50)	(49)	
Hydronephrosis	3 [1.3]	2 [1.0]	2 [2.0]	1 [1.0]	
Infarct	4 [1.5]	2 [2.5]	5 [2.0]	7 [1.7]	
Infiltration Cellular, Mononuclear Cell	2 [1.0]	- []	2 [1.5]	1 [1.0]	
Inflammation	3 [1.0]	4 [1.8]	1 [3.0]	1 [1.0]	
Metaplasia, Osseous	1 [1.0]	3 [1.3]	. [0.0]	1 [1.0]	
	. [ • ]	0[0]		. []	

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

Experiment Number: 96014 - 06	P18: INCIDENCE RATI	P18: INCIDENCE RATES OF NON-NEOPLASTIC LESIONS BY ANATOMIC SITE (a) WITH AVERAGE SEVERITY GRADES[b]				
Test Type: CHRONIC	Water of	Time Report Requested: 09:41:46				
Route: DOSED WATER		••	<b>r:</b> 71133-14-7	,	First Dose M/F: 09/26/06 / 09/25/06	
Species/Strain: MICE/B6C3F1					Lab: BAT	
B6C3F1 MICE FEMALE	0 mg/L	250 mg/L	500 mg/L	1000 mg/L		
Mineralization		2 [1.0]	1 [1.0]			
Nephropathy	40 [1.1]	38 [1.2]	31 [1.0]	30 [1.3]		
Glomerulus, Amyloid Deposition		1 [1.0]	1 [4.0]			
Papilla, Necrosis		1 [2.0]				
Renal Tubule, Cyst	1 [2.0]	1 [1.0]				
Renal Tubule, Hyperplasia		1 [1.0]				
Renal Tubule, Necrosis	1 [2.0]					
Urinary Bladder	(50)	(50)	(50)	(50)		
Hyperplasia, Lymphoid		1 [2.0]				
Infiltration Cellular, Mononuclear Cell	1 [2.0]					
Inflammation		2 [1.5]	1 [3.0]			
Transitional Epithelium, Hyperplasia				1 [2.0]		

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

a - Number of animals examined microscopically at site and number of animals with lesion b-Average severity grade(1-minimal;2-mild;3-moderate;4-marked)