

**Experiment Number:** 99038-01  
**Test Type:** 1-YEAR  
**Species/Strain:** Mouse/P53(C57BL/6)

**P18: INCIDENCE RATES OF NON-NEOPLASTIC LESIONS BY ANATOMIC SITE (a) WITH AVERAGE SEVERITY GRADES[b]**  
**Test Compound:** Bromodichloromethane  
**CAS Number:** 75-27-4  
**Date Report Requested:** 04/19/2016  
**Time Report Requested:** 21:13:28  
**First Dose M/F:** NA / NA  
**Lab:** CIT

**C Number:** C99038  
**Lock Date:** Not Entered.  
**Cage Range:** All  
**Date Range:** All  
**Reasons For Removal:** All  
**Removal Date Range:** All  
**Treatment Groups:** All  
**Study Gender:** Male  
**PWG Approval Date:** NONE

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P53(C57BL/6) Mouse MALE	0 PPM	0.5 PPM	3 PPM	10 PPM	15 PPM
<b>Disposition Summary</b>					
Animals Initially In Study	96	96	96	96	96
Scheduled Sacrifice	59	59	58	55	57
<b>Early Deaths</b>					
Moribund Sacrifice	3	6	6	6	4
Natural Death	2	3	1	2	
<b>Survivors</b>					
Moribund Sacrifice	7	1	3	3	2
Natural Death	1	1	1		2
Terminal Sacrifice	23	25	23	28	31
Other	1	1	4	2	
<b>Animals Examined Microscopically</b>	<b>94</b>	<b>95</b>	<b>94</b>	<b>95</b>	<b>95</b>
<b>ALIMENTARY SYSTEM</b>					
Esophagus	(90)	(92)	(84)	(88)	(82)
Inflammation, Chronic	1 [2.0]			2 [1.5]	
Gallbladder	(84)	(86)	(86)	(91)	(90)
Epithelium, Degeneration, Hyaline Infiltration Cellular, Lymphocyte		1 [2.0]		1 [2.0]	1 [1.0]
Infiltration Cellular, Polymorphnuclr Inflammation, Chronic	39 [1.3] 1 [3.0]	45 [1.3]	31 [1.2]	28 [1.3]	16 [1.4]
Mineralization					1 [1.0]
Intestine Large, Cecum	(92)	(94)	(93)	(93)	(93)
Epithelium, Necrosis Hemorrhage			1 [1.0] 1 [1.0]		
Intestine Large, Colon	(92)	(93)	(94)	(94)	(95)
Hemorrhage Inflammation, Acute		1 [2.0]	1 [3.0] 1 [3.0]		
Intestine Large, Rectum	(89)	(91)	(92)	(93)	(95)

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P53(C57BL/6) Mouse MALE	0 PPM	0.5 PPM	3 PPM	10 PPM	15 PPM
Dilatation		1 [2.0]			
Intestine Small, Duodenum	(89)	(82)	(85)	(92)	(91)
Duct, Inflammation, Chronic Active	1 [1.0]	1 [1.0]			
Intestine Small, Ileum	(90)	(91)	(89)	(92)	(93)
Hyperplasia, Lymphoid				1 [1.0]	
Inflammation, Acute			1 [1.0]		1 [2.0]
Intestine Small, Jejunum	(92)	(92)	(90)	(92)	(93)
Liver	(94)	(95)	(94)	(95)	(95)
Bile Duct, Hyperplasia	1 [1.0]				
Clear Cell Focus	10	4	6	8	5 [2.0]
Congestion	1 [2.0]	1 [1.0]			
Hematopoietic Cell Proliferation	1 [1.0]	4 [1.0]	3 [1.7]		4 [1.0]
Infarct					1 [3.0]
Infiltration Cellular, Lymphocyte	46 [1.3]	48 [1.4]	39 [1.3]	35 [1.3]	46 [1.3]
Infiltration Cellular, Mixed Cell	18 [1.0]	20 [1.0]	18 [1.1]	14 [1.0]	16 [1.0]
Infiltration Cellular, Mononuclear Cl	3 [1.3]		1 [1.0]	3 [1.0]	
Inflammation, Acute	8 [1.1]	13 [1.1]	7 [1.1]	8 [1.0]	7 [1.1]
Inflammation, Chronic Active	15 [1.1]	16 [1.1]	19 [1.2]	26 [1.1]	31 [1.0]
Kupffer Cell, Hyperplasia			1 [1.0]		1 [1.0]
Leukocytosis	1 [3.0]	1 [3.0]	2 [1.5]		1 [1.0]
Mixed Cell Focus	1	1		1	1
Necrosis	3 [1.7]	2 [1.0]	2 [2.0]	1 [2.0]	1 [1.0]
Thrombosis			1 [1.0]		1 [1.0]
Vacuolization Cytoplasmic	41 [1.4]	49 [1.4]	36 [1.2]	16 [1.3]	22 [1.1]
Mesentery	(3)	(0)	(1)	(0)	(2)
Edema					1 [2.0]
Fat, Necrosis	3 [2.0]				
Infiltration Cellular, Lymphocyte					1 [3.0]
Oral Mucosa	(0)	(0)	(0)	(0)	(1)

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Test Compound: Bromodichloromethane

CAS Number: 75-27-4

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First Dose M/F: NA / NA

Lab: CIT

<b>P53(C57BL/6) Mouse MALE</b>	<b>0 PPM</b>	<b>0.5 PPM</b>	<b>3 PPM</b>	<b>10 PPM</b>	<b>15 PPM</b>
Pancreas	(93)	(92)	(91)	(95)	(94)
Amyloid Deposition		1 [1.0]			
Atrophy	2 [1.5]	1 [1.0]	2 [2.0]	1 [1.0]	
Degeneration	1 [1.0]	2 [1.0]			
Depletion Secretory	1 [3.0]				1 [2.0]
Duct, Inflammation, Chronic Active	1 [2.0]				
Fat, Inflammation, Acute		1 [1.0]			
Fat, Mineralization			1 [2.0]		
Fat, Necrosis	1 [2.0]				
Infiltration Cellular, Lymphocyte	29 [1.2]	30 [1.2]	26 [1.3]	38 [1.2]	36 [1.3]
Infiltration Cellular, Mononuclear Cl	1 [1.0]				
Inflammation, Chronic	2 [1.5]	3 [1.7]	2 [2.0]	3 [1.3]	1 [1.0]
Inflammation, Chronic Active	1 [1.0]	1 [1.0]			2 [1.0]
Necrosis		1 [1.0]	1 [1.0]		
Pharynx	(12)	(0)	(0)	(0)	(9)
Salivary Glands	(94)	(94)	(94)	(95)	(95)
Atrophy	2 [2.0]	1 [2.0]	1 [2.0]	1 [1.0]	3 [1.7]
Cyst				1	
Infiltration Cellular, Lymphocyte	66 [1.5]	68 [1.6]	61 [1.4]	58 [1.6]	70 [1.4]
Infiltration Cellular, Polymorphnuclr		1 [1.0]			
Inflammation, Chronic	1 [2.0]		1 [1.0]	2 [1.0]	2 [1.5]
Inflammation, Chronic Active	3 [2.3]		2 [1.0]		
Mineralization	1 [1.0]		2 [1.0]		
Stomach, Forestomach	(92)	(95)	(90)	(94)	(93)
Cyst				1	
Epithelium, Hyperplasia, Squamous					1 [1.0]
Stomach, Glandular	(91)	(95)	(91)	(94)	(93)
Inflammation, Acute	1 [1.0]	1 [1.0]	1 [2.0]		1 [1.0]
Mineralization	5 [1.6]	2 [1.0]	1 [1.0]	1 [1.0]	3 [1.3]

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Lab: CIT

P53(C57BL/6) Mouse MALE	0 PPM	0.5 PPM	3 PPM	10 PPM	15 PPM
Tongue	(89)	(91)	(73)	(64)	(74)
Inflammation, Acute	1 [1.0]				1 [1.0]
Inflammation, Chronic Active		1 [1.0]		1 [3.0]	
Mineralization		1 [1.0]			
Tooth	(0)	(0)	(0)	(0)	(1)
<b>CARDIOVASCULAR SYSTEM</b>					
Blood Vessel	(87)	(83)	(79)	(84)	(77)
Aorta, Mineralization			1 [1.0]		
Pigmentation, Hemosiderin	1 [1.0]				
Heart	(93)	(92)	(94)	(95)	(95)
Cardiomyopathy	1 [1.0]		1 [1.0]		2 [1.0]
Degeneration				1 [3.0]	
Fibrosis	2 [2.0]				
Infiltration Cellular, Lymphocyte	1 [1.0]	2 [1.5]	2 [1.0]	1 [1.0]	
Infiltration Cellular, Mixed Cell	1 [1.0]	1 [1.0]			
Infiltration Cellular, Mononuclear Cl	1 [1.0]				1 [1.0]
Inflammation, Acute			2 [1.5]	2 [1.0]	1 [1.0]
Inflammation, Chronic	2 [2.5]		1 [1.0]	2 [1.5]	2 [2.5]
Inflammation, Chronic Active		1 [2.0]		1 [4.0]	2 [1.0]
Leukocytosis	1 [2.0]				
Mineralization		1 [1.0]		1 [1.0]	1 [1.0]
Necrosis					1 [1.0]
Thrombosis			2 [1.5]		
Vacuolization Cytoplasmic	1 [1.0]	1 [1.0]	1 [1.0]		
<b>ENDOCRINE SYSTEM</b>					
Adrenal Cortex	(82)	(84)	(91)	(90)	(85)
Atrophy		2 [2.0]			
Congestion			1 [2.0]		

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P53(C57BL/6) Mouse MALE	0 PPM	0.5 PPM	3 PPM	10 PPM	15 PPM
Cyst		1			
Hematopoietic Cell Proliferation			1 [1.0]		
Hyperplasia				1 [3.0]	
Hypertrophy	15 [2.0]	14 [1.9]	13 [1.7]	8 [1.4]	11 [1.5]
Inflammation, Acute	1 [1.0]	3 [1.0]	3 [1.0]		1 [1.0]
Mineralization	2 [1.0]	2 [1.0]	4 [1.0]		1 [1.0]
Necrosis	1 [1.0]				1 [1.0]
Pigmentation	64 [1.2]	75 [1.3]	82 [1.2]	65 [1.1]	56 [1.1]
Spindle Cell, Subcapsular, Hyperplasia	15 [1.3]	20 [1.2]	24 [1.2]	14 [1.1]	19 [1.4]
Adrenal Medulla	(76)	(79)	(86)	(80)	(75)
Islets, Pancreatic	(93)	(89)	(90)	(95)	(93)
Hyperplasia	1 [2.0]				
Parathyroid Gland	(54)	(69)	(53)	(69)	(58)
Cyst	1	1	1		
Infiltration Cellular, Lymphocyte		2 [1.5]			
Pituitary Gland	(65)	(70)	(66)	(82)	(67)
Cyst	8 [1.0]	14	8	10	12
Thyroid Gland	(90)	(90)	(91)	(92)	(88)
Cyst	1	1		3	3
Infiltration Cellular, Lymphocyte	3 [2.0]		2 [1.0]		1 [1.0]

GENERAL BODY SYSTEM

None

GENITAL SYSTEM

Coagulating Gland	(5)	(1)	(2)	(1)	(1)
Epithelium, Hyperplasia	1 [1.0]	1 [4.0]	1 [1.0]		
Inflammation, Chronic	1 [2.0]				
Inflammation, Chronic Active	1 [3.0]	1 [2.0]		1 [4.0]	
Epididymis	(93)	(94)	(91)	(94)	(94)

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P53(C57BL/6) Mouse MALE	0 PPM	0.5 PPM	3 PPM	10 PPM	15 PPM
Cyst					1
Epithelium, Degeneration				1 [2.0]	
Granuloma Sperm	2 [2.5]			4 [2.8]	2 [3.0]
Hypospermia	6 [2.8]	4 [2.5]	3 [2.3]	5 [2.6]	2 [3.5]
Inflammation, Acute			1 [2.0]		
Inflammation, Chronic	3 [2.0]	2 [3.0]	1 [3.0]	2 [2.5]	5 [1.6]
Inflammation, Chronic Active				1 [3.0]	1 [2.0]
Spermatocele					1 [2.0]
Penis	(0)	(2)	(1)	(1)	(0)
Inflammation, Acute				1 [4.0]	
Inflammation, Chronic Active		2 [2.5]	1 [3.0]		
Preputial Gland	(92)	(92)	(93)	(93)	(91)
Atrophy		1 [3.0]	2 [3.0]		
Congestion	1 [2.0]				
Cyst		2	1	1	1
Dilatation	1 [3.0]	2 [3.0]	1 [3.0]	2 [2.5]	
Diverticulum					1 [3.0]
Hyperplasia	1 [1.0]	1 [1.0]	2 [2.0]	1 [2.0]	1 [2.0]
Hyperplasia, Atypical					1 [2.0]
Infiltration Cellular, Lymphocyte	46 [1.3]	44 [1.3]	38 [1.4]	38 [1.2]	33 [1.2]
Inflammation, Acute		1 [3.0]	1 [2.0]		
Inflammation, Chronic Active	21 [1.6]	25 [1.5]	29 [1.7]	26 [2.0]	19 [1.4]
Pigmentation	1 [1.0]				
Prostate	(90)	(88)	(92)	(92)	(94)
Amyloid Deposition			1 [1.0]		
Hyperplasia	1 [1.0]		1 [2.0]		1 [1.0]
Infiltration Cellular, Lymphocyte	34 [1.4]	32 [1.2]	47 [1.3]	39 [1.3]	40 [1.2]
Inflammation, Acute			2 [2.5]	2 [2.5]	1 [1.0]
Inflammation, Chronic	3 [2.0]	2 [1.0]	2 [1.0]	1 [2.0]	3 [1.0]

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P53(C57BL/6) Mouse MALE	0 PPM	0.5 PPM	3 PPM	10 PPM	15 PPM
Inflammation, Chronic Active	1 [1.0]	2 [3.0]	2 [1.5]	4 [2.8]	5 [1.8]
Seminal Vesicle	(92)	(92)	(94)	(94)	(95)
Capsule, Fibrosis			1 [2.0]		1 [2.0]
Cyst			1		
Depletion Secretory	4	5	7	4	5
Dilatation	6	2	5	3	1
Edema		1 [3.0]			
Hemorrhage	1 [2.0]	1 [1.0]			
Infiltration Cellular, Lymphocyte	1 [2.0]				1 [1.0]
Inflammation, Chronic	1 [1.0]				
Inflammation, Chronic Active	1 [2.0]				
Spermatocoele		1 [3.0]			
Testes	(93)	(94)	(92)	(94)	(94)
Hemorrhage		1 [3.0]			
Infiltration Cellular, Lymphocyte			2 [1.0]		
Interstit Cell, Hyperplasia	6 [1.8]	2 [1.5]	2 [1.5]	1 [1.0]	1 [4.0]
Mineralization	3 [2.3]	2 [2.5]	2 [2.0]	4 [2.3]	3 [1.3]
Rete Testes, Inflammation, Chronic Active			1 [1.0]		
Rete Testes, Spermatocoele		1 [3.0]			
Seminif Tub, Degeneration	32 [1.6]	33 [1.4]	38 [1.6]	25 [1.4]	27 [1.3]
<b>HEMATOPOIETIC SYSTEM</b>					
Bone Marrow	(94)	(95)	(94)	(92)	(93)
Depletion Cellular					1 [3.0]
Erythroid Cell, Hyperplasia	5 [2.0]	2 [2.0]	1 [2.0]		2 [2.0]
Hyperplasia	6 [2.2]	5 [2.8]	13 [2.3]	9 [2.6]	6 [2.0]
Hyperplasia, Megakaryocyte		1 [2.0]			
Myelofibrosis					2 [1.5]
Lymph Node	(0)	(1)	(3)	(1)	(3)
Inguinal, Hyperplasia, Lymphoid		1 [2.0]			

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Inguinal, Hyperplasia, Reticulum Cell		1 [2.0]			
Lumbar, Hyperplasia, Plasma Cell			1 [3.0]		
Lymph Node, Bronchial	(8)	(2)	(1)	(0)	(1)
Lymph Node, Mandibular	(84)	(87)	(81)	(83)	(75)
Cyst					1
Ectasia		1 [2.0]	1 [2.0]	1 [2.0]	
Hemorrhage	1 [1.0]				
Hyperplasia, Lymphoid	5 [1.4]	6 [2.0]	4 [1.8]	2 [2.5]	6 [2.0]
Hyperplasia, Plasma Cell	4 [1.5]	3 [2.0]	5 [1.2]	1 [3.0]	6 [2.2]
Hyperplasia, Reticulum Cell	5 [1.2]	8 [1.5]	12 [1.2]	8 [1.5]	9 [1.2]
Infiltration Cellular, Polymorphnuclr	1 [1.0]		1 [1.0]	1 [1.0]	5 [1.2]
Lymph Node, Mediastinal	(15)	(3)	(6)	(11)	(13)
Hemorrhage			1 [2.0]		
Hyperplasia, Lymphoid		1 [3.0]	1 [2.0]	2 [2.5]	1 [2.0]
Hyperplasia, Plasma Cell	2 [2.0]				2 [1.0]
Hyperplasia, Reticulum Cell			1 [1.0]		1 [1.0]
Infiltration Cellular, Polymorphnuclr				1 [1.0]	
Inflammation, Acute					1 [1.0]
Lymph Node, Mesenteric	(89)	(88)	(89)	(82)	(88)
Amyloid Deposition		1 [1.0]			
Depletion Lymphoid		1 [2.0]			1 [3.0]
Ectasia	1 [2.0]				
Hemorrhage	1 [1.0]	1 [2.0]	1 [2.0]		
Hyperplasia, Lymphoid	5 [1.4]	2 [3.0]	2 [2.5]	2 [2.5]	4 [1.5]
Hyperplasia, Plasma Cell					1 [2.0]
Hyperplasia, Reticulum Cell	5 [1.8]	4 [1.5]	1 [1.0]	4 [1.3]	2 [1.0]
Infiltration Cellular, Polymorphnuclr	1 [1.0]				1 [1.0]
Inflammation, Acute		1 [2.0]			
Inflammation, Chronic Active				3 [2.7]	

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P53(C57BL/6) Mouse MALE	0 PPM	0.5 PPM	3 PPM	10 PPM	15 PPM
Spleen	(91)	(94)	(94)	(95)	(95)
Congestion	2 [2.0]		1 [1.0]		3 [1.7]
Cyst			1		
Depletion Lymphoid		1 [2.0]	2 [2.0]		1 [3.0]
Hematopoietic Cell Proliferation	4 [2.8]	7 [2.9]	14 [2.2]	7 [2.4]	8 [2.4]
Hyperplasia, Lymphoid	1 [2.0]	1 [1.0]	5 [2.2]	3 [1.3]	1 [3.0]
Hyperplasia, Plasma Cell	1 [3.0]				
Hyperplasia, Reticulum Cell	1 [2.0]		1 [3.0]	1 [3.0]	1 [2.0]
Inflammation, Chronic		1 [1.0]			
Thymus	(89)	(86)	(78)	(86)	(84)
Cyst	20	22	19	31	32
Depletion Lymphoid	1 [1.0]	2 [3.5]	2 [1.0]	2 [2.0]	8 [2.8]
Hemorrhage		2 [2.0]	1 [1.0]	1 [1.0]	
Hyperplasia, Lymphoid	2 [2.0]				
Inflammation, Chronic Active				1 [1.0]	1 [1.0]
Medulla, Hyperplasia	1 [2.0]	1 [2.0]			
Mineralization					1 [2.0]
<b>INTEGUMENTARY SYSTEM</b>					
Mammary Gland	(1)	(2)	(1)	(0)	(2)
Skin	(94)	(94)	(90)	(93)	(91)
Hyperplasia, Lymphoid		2 [2.0]			
Hyperplasia, Plasma Cell		1 [3.0]		1 [3.0]	
Infiltration Cellular, Lymphocyte		1 [1.0]	1 [1.0]		
Inflammation, Chronic Active			2 [1.0]	1 [1.0]	
Necrosis			1 [3.0]		
Other, Acanthosis		1 [2.0]			2 [2.5]
Other, Inflammation, Chronic Active	2 [3.5]	3 [3.0]	2 [3.5]	3 [3.3]	4 [3.3]
Pinna, Acanthosis	2 [2.0]	3 [2.0]	2 [1.5]	2 [2.0]	4 [1.3]
Pinna, Cyst Epithelial Inclusion			1		1

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: 99038-01  
 Test Type: 1-YEAR  
 Species/Strain: Mouse/P53(C57BL/6)

**P18: INCIDENCE RATES OF NON-NEOPLASTIC LESIONS BY ANATOMIC SITE (a) WITH  
 AVERAGE SEVERITY GRADES[b]**  
 Test Compound: Bromodichloromethane  
 CAS Number: 75-27-4

Date Report Requested: 04/19/2016  
 Time Report Requested: 21:13:29  
 First Dose M/F: NA / NA  
 Lab: CIT

P53(C57BL/6) Mouse MALE	0 PPM	0.5 PPM	3 PPM	10 PPM	15 PPM
Pinna, Exudate		1 [4.0]	1 [4.0]		
Pinna, Inflammation, Acute					1 [2.0]
Pinna, Inflammation, Chronic		1 [2.0]			
Pinna, Inflammation, Chronic Active	3 [2.7]	5 [3.0]	2 [3.0]	3 [3.0]	6 [3.0]
Pinna, Metaplasia		1 [2.0]			
<b>MUSCULOSKELETAL SYSTEM</b>					
Bone	(83)	(90)	(67)	(89)	(92)
Cartilage, Rib, Degeneration	1 [2.0]				
Cartilage, Sternum, Degeneration		1 [2.0]	1 [1.0]		
Femur, Hyperostosis		2 [2.0]	1 [2.0]		
Sternum, Dysplasia		1 [2.0]	1 [2.0]		
Skeletal Muscle	(90)	(95)	(66)	(64)	(75)
<b>NERVOUS SYSTEM</b>					
Brain	(93)	(89)	(93)	(94)	(95)
Capillary, Hyperplasia				1 [1.0]	
Cyst Epithelial Inclusion				1	
Gliosis		1 [1.0]			
Hemorrhage	1 [1.0]				
Infiltration Cellular, Lymphocyte				1 [1.0]	
Inflammation, Acute				1 [1.0]	
Inflammation, Chronic Active					1 [3.0]
Mineralization	22 [1.1]	21 [1.1]	13 [1.0]	22 [1.0]	17 [1.0]
Pigmentation	1 [1.0]				
Thrombosis			1 [1.0]		
Peripheral Nerve	(11)	(0)	(0)	(0)	(5)
Spinal Cord	(89)	(90)	(65)	(64)	(74)
<b>RESPIRATORY SYSTEM</b>					
Larynx	(73)	(60)	(70)	(69)	(69)

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Experiment Number: 99038-01

Test Type: 1-YEAR

Species/Strain: Mouse/P53(C57BL/6)

**P18: INCIDENCE RATES OF NON-NEOPLASTIC LESIONS BY ANATOMIC SITE (a) WITH AVERAGE SEVERITY GRADES[b]**

Test Compound: Bromodichloromethane

CAS Number: 75-27-4

Date Report Requested: 04/19/2016

Time Report Requested: 21:13:29

First Dose M/F: NA / NA

Lab: CIT

P53(C57BL/6) Mouse MALE	0 PPM	0.5 PPM	3 PPM	10 PPM	15 PPM
Artery, Hypertrophy					1 [1.0]
Exudate		1 [1.0]			
Inflammation, Acute	3 [1.0]	2 [1.0]	1 [1.0]	2 [1.0]	1 [1.0]
Inflammation, Chronic				1 [2.0]	
Inflammation, Chronic Active					1 [1.0]
Respirat Epith, Necrosis		1 [1.0]			
Lung	(94)	(94)	(92)	(93)	(95)
Alveolus, Infiltration Cellular, Histiocyte	15 [1.9]	21 [1.6]	17 [1.7]	12 [1.6]	19 [1.4]
Bronchus, Metaplasia, Squamous		1 [1.0]			
Congestion		1 [3.0]	2 [2.0]		
Epithelium, Hyperplasia	4 [1.0]				
Foreign Body	7	4	12	3	8
Hemorrhage	4 [1.3]	5 [1.4]	2 [1.5]	3 [1.3]	4 [1.8]
Infiltration Cellular, Lymphocyte			2 [1.0]	1 [1.0]	
Inflammation, Acute	2 [1.5]	3 [1.7]	5 [1.8]	2 [1.5]	5 [1.6]
Inflammation, Chronic		1 [1.0]	1 [1.0]	2 [1.0]	1 [1.0]
Inflammation, Chronic Active	9 [1.3]	9 [1.1]	10 [1.5]	7 [1.3]	15 [1.4]
Leukocytosis	1 [3.0]				1 [3.0]
Mineralization		1 [1.0]			
Peribronchial, Hyperplasia, Lymphoid	5 [1.6]	3 [1.3]	7 [1.0]	5 [1.2]	6 [1.3]
Peribronchial, Infiltration Cellular, Lymphoid	1 [1.0]				
Thrombosis			2 [2.0]		
Nose	(94)	(95)	(93)	(95)	(93)
Arteriole, Inflammation, Chronic Active				1 [2.0]	
Cyst				1	
Exudate	3 [1.3]	9 [1.1]	5 [1.0]	41 [1.2]	53 [1.5]
Exudate, Serous	16 [1.0]	17 [1.0]	15 [1.1]	50 [1.7]	75 [2.0]
Glands, Inflammation, Acute	1 [2.0]	1 [2.0]	1 [1.0]		1 [1.0]
Hemorrhage					1 [1.0]

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Experiment Number: 99038-01

Test Type: 1-YEAR

Species/Strain: Mouse/P53(C57BL/6)

**P18: INCIDENCE RATES OF NON-NEOPLASTIC LESIONS BY ANATOMIC SITE (a) WITH AVERAGE SEVERITY GRADES[b]**

Test Compound: Bromodichloromethane

CAS Number: 75-27-4

Date Report Requested: 04/19/2016

Time Report Requested: 21:13:29

First Dose M/F: NA / NA

Lab: CIT

P53(C57BL/6) Mouse MALE	0 PPM	0.5 PPM	3 PPM	10 PPM	15 PPM
Hyperplasia, Squamous				1 [2.0]	
Myelofibrosis					1 [3.0]
Nasolacrim Dct, Hyperplasia				1 [2.0]	
Olfactory Epi, Atrophy			8 [1.3]	11 [1.4]	12 [1.4]
Olfactory Epi, Degeneration	1 [1.0]	6 [1.0]	31 [1.1]	37 [1.4]	24 [1.5]
Olfactory Epi, Degeneration, Hyaline	2 [1.5]	1 [1.0]		10 [1.5]	4 [1.5]
Olfactory Epi, Hyperplasia, Basal Cell	2 [2.0]	2 [1.0]	4 [1.0]	2 [1.5]	3 [1.7]
Olfactory Epi, Inflammation, Acute			4 [1.0]		4 [1.3]
Olfactory Epi, Metaplasia			1 [3.0]	4 [1.3]	2 [2.0]
Olfactory Epi, Necrosis			9 [1.2]	9 [1.6]	9 [2.0]
Respirat Epith, Degeneration				5 [1.2]	1 [2.0]
Respirat Epith, Degeneration, Hyaline	2 [1.0]	2 [1.0]	8 [1.0]	67 [1.7]	72 [1.7]
Respirat Epith, Hyperplasia		1 [1.0]	1 [1.0]	2 [2.0]	4 [2.0]
Respirat Epith, Hyperplasia, Basal Cell				1 [1.0]	
Respirat Epith, Inflammation, Acute	5 [1.2]	5 [1.0]	11 [1.2]	39 [1.5]	47 [1.6]
Respirat Epith, Metaplasia					4 [2.3]
Respirat Epith, Necrosis			1 [1.0]		
Squam Epithel, Degeneration					1 [2.0]
Squam Epithel, Foreign Body		1			
Squam Epithel, Hyperplasia					2 [2.5]
Squam Epithel, Inflammation, Acute	4 [1.0]	4 [1.0]	10 [1.0]	37 [1.3]	28 [1.3]
Pleura	(0)	(1)	(0)	(0)	(0)
Trachea	(92)	(92)	(91)	(94)	(87)
Inflammation, Acute	2 [1.0]			1 [1.0]	2 [1.0]
Inflammation, Chronic Active				1 [3.0]	
<b>SPECIAL SENSES SYSTEM</b>					
Ear	(0)	(0)	(1)	(0)	(0)
Eye	(88)	(93)	(67)	(64)	(74)
Harderian Gland	(91)	(94)	(67)	(64)	(75)

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: 99038-01

Test Type: 1-YEAR

Species/Strain: Mouse/P53(C57BL/6)

**P18: INCIDENCE RATES OF NON-NEOPLASTIC LESIONS BY ANATOMIC SITE (a) WITH AVERAGE SEVERITY GRADES[b]**

Test Compound: Bromodichloromethane

CAS Number: 75-27-4

Date Report Requested: 04/19/2016

Time Report Requested: 21:13:29

First Dose M/F: NA / NA

Lab: CIT

P53(C57BL/6) Mouse MALE	0 PPM	0.5 PPM	3 PPM	10 PPM	15 PPM
Infiltration Cellular, Lymphocyte	3 [1.0]	6 [1.0]			
Infiltration Cellular, Mononuclear Cl	2 [1.0]	2 [1.5]			1 [2.0]
Lacrimal Gland	(31)	(30)	(13)	(3)	(14)
Atrophy	12 [1.1]	15 [1.2]		1 [1.0]	5 [1.0]
Extraorbital, Inflammation, Chronic	1 [1.0]				
Hyperplasia		1 [2.0]			
Infiltration Cellular, Lymphocyte	25 [1.9]	28 [1.6]	12 [1.7]	3 [1.7]	12 [1.8]
Infiltration Cellular, Mononuclear Cl	1 [2.0]				
Inflammation, Chronic	2 [1.5]		1 [1.0]		
Inflammation, Chronic Active	2 [1.5]	3 [1.0]	1 [1.0]		2 [1.0]
Necrosis		1 [1.0]	1 [1.0]	1 [1.0]	
Zymbal's Gland	(83)	(82)	(66)	(64)	(73)
Infiltration Cellular, Lymphocyte	1 [1.0]				
Inflammation, Acute	1 [1.0]				
Inflammation, Chronic		1 [1.0]			
Inflammation, Chronic Active	1 [2.0]		1 [1.0]		1 [1.0]
<b>URINARY SYSTEM</b>					
Kidney	(92)	(95)	(92)	(95)	(95)
Casts Protein					2 [2.0]
Congestion	1 [1.0]				2 [1.0]
Cortex, Mineralization	2 [2.0]	3 [1.0]	1 [1.0]	7 [1.0]	13 [1.3]
Cyst		2	1	1	10
Degeneration					1 [1.0]
Degeneration, Hydropic					1 [1.0]
Epithelium, Renal Tubule, Cytomegaly		1 [1.0]		43 [1.0]	85 [1.0]
Epithelium, Renal Tubule, Vacuolization	62 [1.1]	73 [1.1]	20 [1.0]	10 [1.0]	20 [1.0]
Cytoplasmic					
Fibrosis				1 [2.0]	
Glomerulus, Amyloid Deposition			1 [3.0]		

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Experiment Number: 99038-01

Test Type: 1-YEAR

Species/Strain: Mouse/P53(C57BL/6)

**P18: INCIDENCE RATES OF NON-NEOPLASTIC LESIONS BY ANATOMIC SITE (a) WITH AVERAGE SEVERITY GRADES[b]**

Test Compound: Bromodichloromethane

CAS Number: 75-27-4

Date Report Requested: 04/19/2016

Time Report Requested: 21:13:30

First Dose M/F: NA / NA

Lab: CIT

P53(C57BL/6) Mouse MALE	0 PPM	0.5 PPM	3 PPM	10 PPM	15 PPM
Glomerulus, Nephropathy	1 [1.0]				
Hematopoietic Cell Proliferation		1 [2.0]			
Infiltration Cellular, Histiocyte		1 [1.0]			
Infiltration Cellular, Lymphocyte	52 [1.2]	43 [1.2]	49 [1.2]	53 [1.2]	59 [1.2]
Infiltration Cellular, Mononuclear Cl	1 [2.0]	2 [1.0]			
Inflammation, Acute			1 [1.0]	1 [1.0]	
Inflammation, Chronic	3 [1.0]	3 [1.3]		4 [1.3]	1 [1.0]
Inflammation, Chronic Active			1 [3.0]	2 [1.5]	
Mineralization			1 [1.0]		
Nephropathy	6 [1.5]	4 [1.0]	4 [1.8]	6 [1.2]	8 [1.4]
Papilla, Mineralization	15 [1.0]	14 [1.0]	10 [1.0]	20 [1.0]	17 [1.1]
Pelvis, Dilatation	1 [2.0]	1 [2.0]	4 [1.8]	2 [2.5]	1 [1.0]
Pelvis, Inflammation, Acute			1 [2.0]	1 [2.0]	
Renal Tubule, Degeneration		1 [1.0]	1 [1.0]	21 [1.0]	73 [1.3]
Renal Tubule, Degeneration, Hydropic			1 [2.0]		
Renal Tubule, Dilatation	2 [1.5]	1 [1.0]	2 [2.0]	1 [1.0]	1 [3.0]
Renal Tubule, Hyperplasia, Atypical					1 [1.0]
Renal Tubule, Necrosis	1 [4.0]				
Renal Tubule, Regeneration	25 [1.0]	15 [1.1]	21 [1.1]	16 [1.0]	17 [1.0]
Urinary Bladder	(91)	(93)	(91)	(91)	(91)
Dilatation	7 [3.0]	9 [3.0]	7 [3.0]	5 [3.0]	10 [2.8]
Edema		1 [2.0]			
Infiltration Cellular, Lymphocyte	4 [1.0]	8 [1.0]	5 [1.6]	8 [1.0]	4 [1.3]
Inflammation, Acute				1 [3.0]	1 [2.0]
Inflammation, Chronic Active	1 [3.0]			3 [2.0]	1 [1.0]
Mineralization	1 [2.0]		1 [1.0]		
Muscularis, Hypertrophy	1 [3.0]				
Transit Epithe, Necrosis	1 [1.0]				

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**Experiment Number:** 99038-01  
**Test Type:** 1-YEAR  
**Species/Strain:** Mouse/P53(C57BL/6)

**P18: INCIDENCE RATES OF NON-NEOPLASTIC LESIONS BY ANATOMIC SITE (a) WITH AVERAGE SEVERITY GRADES[b]**  
**Test Compound:** Bromodichloromethane  
**CAS Number:** 75-27-4

**Date Report Requested:** 04/19/2016  
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**\*\* END OF REPORT \*\***

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