

Experiment Number: 00602-05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Mouse/B6C3F1/NCTR

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

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/18/2014

Time Report Requested: 00:05:54

First Dose M/F: NA / NA

Lab: NCTR

C Number:	C00602F
Lock Date:	Not Entered.
Cage Range:	All
Date Range:	All
Reasons For Removal:	All
Removal Date Range:	All
Treatment Groups:	All
Study Gender:	Both
PWG Approval Date	NONE

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B6C3F1/NCTR Mouse MALE	0% ETH/ 0PPM URE	0% ETH/ 10PPMURE	0% ETH/ 30PPMURE	0% ETH/ 90PPMURE	2.5%ETH/0PPM URE	2.5%ETH/10PPMUR E
Disposition Summary						
Animals Initially In Study	48	48	48	48	48	48
Early Deaths						
Moribund	2	4	3	10	9	4
Natural Death	16	13	14	22	6	10
Survivors						
Moribund		4	1	1	1	1
Natural Death	3	1	4	7		3
Terminal Sacrifice	27	26	26	8	32	30
Animals Examined Microscopically	48	48	47	48	48	48
ALIMENTARY SYSTEM						
Esophagus	(47)	(47)	(46)	(46)	(48)	(48)
Gallbladder	(35)	(38)	(36)	(23)	(39)	(41)
Concretion	1					
Cyst						1 [1.0]
Epithelium, Cytoplasmic Alteration			1 [3.0]			
Infiltration Cellular, Lymphocytic	2 [2.0]					
Inflammation, Acute		2 [1.5]	2 [2.5]			1 [1.0]
Inflammation, Chronic						
Inflammation, Subacute						
Mucosa, Cyst						
Pigmentation						
Intestine Large	(0)	(0)	(0)	(0)	(0)	(0)
Anus, Epithelium, Hyperplasia						
Anus, Inflammation, Chronic Active						
Anus, Ulcer						
Intestine Large, Cecum	(39)	(37)	(40)	(31)	(46)	(40)
Hemorrhage						

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Lymphoid Tiss, Hyperplasia						
Intestine Large, Colon	(44)	(42)	(41)	(37)	(47)	(43)
Lymphoid Tiss, Hyperplasia						1 [1.0]
Intestine Large, Rectum	(45)	(47)	(45)	(44)	(47)	(47)
Anus, Cyst						
Anus, Erosion, Focal						
Anus, Inflammation, Acute						
Cyst	1 [1.0]					
Epithelium, Hyperplasia						
Erosion		1 [3.0]				
Inflammation, Acute						
Inflammation, Chronic						
Inflammation, Chronic Active		3 [3.0]			1 [3.0]	
Necrosis	1 [4.0]					
Serosa, Infiltration Cellular, Lymphocytic	1 [4.0]					
Serosa, Inflammation, Acute					1 [3.0]	
Serosa, Inflammation, Chronic Active						
Ulcer					1 [2.0]	
Intestine Small, Duodenum	(35)	(38)	(36)	(26)	(43)	(42)
Inflammation, Chronic Active				1 [2.0]		
Lymphoid Tiss, Hyperplasia						
Intestine Small, Ileum	(37)	(37)	(35)	(26)	(42)	(42)
Inflammation, Chronic						
Inflammation, Chronic Active				1 [1.0]	1 [2.0]	
Lymphoid Tiss, Hyperplasia						1 [2.0]
Intestine Small, Jejunum	(39)	(39)	(37)	(24)	(42)	(41)
Inflammation, Chronic Active				1 [1.0]		
Liver	(46)	(47)	(46)	(44)	(47)	(48)
Amyloid Deposition		1 [1.0]				

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Angiectasis		4	6	17		
Basophilic Focus	1	1	2	1	2	1
Bile Duct, Cyst	1 [4.0]		2 [1.5]		1 [3.0]	
Bile Duct, Hyperplasia			1 [1.0]			
Clear Cell Focus	3		5	2		3
Eosinophilic Focus	6	6	19	28	6	3
Eosinophilic Focus, Multiple		1				
Hematopoietic Cell Proliferation	1 [2.0]	5 [2.0]	9 [1.9]	11 [1.5]	6 [2.3]	1 [2.0]
Hepatocyte, Hypertrophy	1					
Hepatocyte, Necrosis	3 [1.0]	5 [2.0]	5 [1.8]	3 [2.3]	4 [1.5]	6 [1.7]
Hepatocyte, Nuclear Alteration	3 [1.7]				1 [1.0]	2 [2.0]
Hepatocyte, Syncytial Alteration	8 [1.4]	6 [1.5]	8 [1.3]	1 [1.0]	9 [1.4]	6 [1.5]
Hepatocyte, Vacuolization Cytoplasmic	2 [1.0]	3 [1.7]	1 [2.0]		5 [1.6]	4 [1.5]
Infiltration Cellular, Lymphocytic	1 [1.0]	2 [3.5]				2 [1.0]
Infiltration Cellular, Mixed Cell	1 [1.0]	3 [1.3]	4 [1.5]	2 [1.5]	5 [1.2]	3 [1.7]
Inflammation, Chronic Active						
Inflammation, Subacute		1 [3.0]				
Kupffer Cell, Hyperplasia	5 [1.8]	10 [2.2]	10 [2.1]	12 [2.7]	7 [1.6]	12 [1.5]
Median Lobe, Infarct						
Mixed Cell Focus	1	1	3			3
Necrosis	3 [3.0]	2 [2.0]	2 [2.0]	5 [3.0]	3 [2.7]	4 [1.8]
Oval Cell, Hyperplasia		1 [1.0]				1 [2.0]
Pigmentation					1 [2.0]	
Regeneration		1	2	1		1
Tension Lipidosis	1					
Mesentery	(1)	(1)	(1)	(1)	(0)	(3)
Cyst			1 [3.0]			
Fat, Necrosis	1	1				1
Inflammation, Chronic						

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Pancreas	(45)	(44)	(44)	(42)	(47)	(45)
Acinar Cell, Atrophy	1 [4.0]			1 [3.0]		1 [1.0]
Acinar Cell, Degeneration						
Acinar Cell, Hyperplasia, Focal						1 [2.0]
Acinar Cell, Vacuolization Cytoplasmic		1 [2.0]			3 [1.3]	1 [1.0]
Amyloid Deposition						1 [1.0]
Basophilic Focus				1		
Duct, Dilatation						
Eosinophilic Focus						1
Infiltration Cellular, Lymphocytic	4 [1.0]	3 [1.0]	5 [1.0]	2 [1.0]	2 [1.0]	5 [1.2]
Inflammation, Chronic						
Inflammation, Chronic Active						
Necrosis				1 [2.0]		
Salivary Glands	(47)	(48)	(46)	(46)	(48)	(48)
Atrophy	2 [2.0]	4 [2.3]	2 [1.5]	4 [1.5]	2 [2.0]	1 [1.0]
Duct, Hyperplasia						
Hyperplasia	1 [3.0]					
Infiltration Cellular, Lymphocytic	32 [1.7]	37 [1.6]	39 [1.6]	26 [1.3]	33 [1.8]	37 [1.5]
Infiltration Cellular, Mixed Cell					1 [3.0]	
Inflammation, Chronic						
Inflammation, Chronic Active						
Mineralization						
Parotid G1, Atrophy						1 [3.0]
Stomach, Forestomach	(46)	(47)	(44)	(45)	(47)	(47)
Cyst			1 [4.0]			2 [1.0]
Diverticulum				1		
Epithelium, Cytoplasmic Alteration				1 [1.0]		
Epithelium, Hyperplasia	1 [1.0]		4 [2.8]	1 [2.0]	1 [2.0]	3 [2.7]
Erosion						1 [1.0]

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Inflammation						
Inflammation, Chronic Active						
Stomach, Glandular	(43)	(43)	(44)	(42)	(47)	(45)
Cyst	1 [1.0]	3 [1.7]	3 [1.0]	1 [1.0]	1 [1.0]	2 [1.0]
Ectopic Tissue		1				
Epithelium, Hyperplasia		1 [2.0]				1 [4.0]
Erosion	1 [1.0]		1 [2.0]	1 [2.0]		
Infiltration Cellular, Lymphocytic	1 [1.0]	1 [1.0]			1 [1.0]	2 [1.0]
Inflammation, Acute	2 [1.5]				1 [1.0]	
Inflammation, Chronic		1 [1.0]			1 [1.0]	
Inflammation, Subacute	1 [2.0]			1 [1.0]		
Metaplasia, Squamous						
Mineralization		1 [1.0]				
Mucosa, Angiectasis						
Serosa, Angiectasis						
Ulcer						
Tongue	(47)	(48)	(47)	(48)	(47)	(48)
Artery, Inflammation, Chronic						
Epithelium, Hyperplasia, Focal						
Foreign Body						
Infiltration Cellular, Lymphocytic	1 [2.0]					1 [1.0]
Inflammation, Chronic						1 [1.0]
Inflammation, Chronic Active						
Necrosis	1 [1.0]					
CARDIOVASCULAR SYSTEM						
Blood Vessel	(47)	(46)	(47)	(45)	(48)	(48)
Mineralization						
Heart	(48)	(48)	(47)	(48)	(48)	(48)

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Abscess						
Angiectasis		1 [1.0]	2 [1.5]	11 [1.3]		
Artery, Inflammation, Chronic					2 [2.0]	1 [1.0]
Atrium, Infiltration Cellular, Lymphocytic	1 [1.0]					
Atrium, Thrombosis				1 [4.0]		
Bacterium			1			
Cardiomyopathy		1 [1.0]				
Endothelium, Hyperplasia			4 [1.5]	9 [1.6]		1 [1.0]
Epicardium, Inflammation, Acute						1 [2.0]
Epicardium, Inflammation, Chronic			1 [1.0]			
Epicardium, Inflammation, Subacute						
Inflammation, Chronic						
Mineralization		2 [1.5]	2 [2.5]			1 [2.0]
Myocardium, Inflammation, Acute	2 [1.5]		1 [2.0]			
Myocardium, Inflammation, Chronic		2 [1.0]	2 [1.5]	1 [1.0]		
Necrosis		1 [1.0]	1 [2.0]		1 [1.0]	
Parenchym Cell, Hypertrophy		2 [1.0]		1 [1.0]	4 [1.0]	
Valve, Bacterium						
Valve, Inflammation, Acute			1 [2.0]	1 [2.0]		
Valve, Inflammation, Chronic			2 [1.5]		1 [2.0]	
Valve, Inflammation, Chronic Active						
ENDOCRINE SYSTEM						
Adrenal Gland	(0)	(0)	(0)	(0)	(0)	(0)
Adrenal Gland, Cortex	(44)	(44)	(44)	(44)	(46)	(45)
Angiectasis			1 [3.0]			
Cyst	1 [2.0]					
Degeneration			1 [1.0]			
Hyperplasia, Focal	1 [3.0]	1 [2.0]	4 [3.0]	2 [2.5]	1 [4.0]	2 [1.5]

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Hypertrophy	8 [1.8]	7 [1.7]	3 [1.3]	2 [1.5]	6 [1.7]	5 [1.4]
Necrosis						
Subcapsular, Hyperplasia	38 [1.5]	35 [1.4]	33 [1.5]	36 [1.4]	35 [1.4]	38 [1.4]
Subcapsular, Hyperplasia, Focal						
Vacuolization Cytoplasmic, Focal						
Adrenal Gland, Medulla	(44)	(43)	(42)	(43)	(44)	(42)
Amyloid Deposition			1 [2.0]			
Fibrosis				1 [2.0]		
Hyperplasia			3 [2.0]	1 [3.0]	3 [2.0]	1 [1.0]
Pigmentation			1 [2.0]			
Islets, Pancreatic	(45)	(44)	(44)	(42)	(47)	(45)
Hyperplasia	4 [1.3]	2 [1.0]	2 [3.0]	2 [3.0]	2 [2.0]	3 [1.7]
Infiltration Cellular, Lymphocytic						
Parathyroid Gland	(42)	(33)	(30)	(28)	(37)	(40)
Cyst	1 [1.0]	1 [2.0]			2 [1.5]	1 [2.0]
Infiltration Cellular, Lymphocytic		1 [2.0]		1 [1.0]		
Inflammation, Acute	1 [2.0]					
Pituitary Gland	(35)	(42)	(39)	(38)	(46)	(42)
Pars Distalis, Cyst		1 [2.0]		1 [1.0]	2 [1.5]	1 [1.0]
Pars Distalis, Hyperplasia, Focal				1 [1.0]		
Thyroid Gland	(46)	(46)	(46)	(45)	(46)	(48)
C Cell, Hyperplasia, Focal						
Crystals	1	1			1	
Follicle, Cyst		1 [2.0]		3 [1.7]		1 [2.0]
Follicular Cel, Hyperplasia						
Follicular Cel, Hyperplasia, Focal				1 [1.0]		
Infiltration Cellular, Lymphocytic		1 [1.0]			1 [1.0]	1 [1.0]
Infiltration Cellular, Mixed Cell						
Inflammation, Chronic	1 [1.0]				1 [1.0]	1 [2.0]

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Ultimobranchial Cyst	8	10	12	9	11	7
GENERAL BODY SYSTEM						
Tissue NOS	(0)	(0)	(0)	(0)	(1)	(0)
GENITAL SYSTEM						
Coagulating Gland	(46)	(48)	(46)	(46)	(46)	(48)
Atrophy	1 [2.0]	2 [1.5]	5 [2.0]	5 [2.0]	4 [1.0]	6 [1.7]
Cyst						
Dilatation	1 [3.0]	3 [2.0]	1 [1.0]		1 [2.0]	
Infiltration Cellular, Lymphocytic	9 [1.0]	5 [1.2]	3 [1.0]		4 [1.3]	6 [1.0]
Infiltration Cellular, Mixed Cell					1 [2.0]	
Inflammation, Acute	2 [3.0]				1 [3.0]	
Inflammation, Chronic						
Inflammation, Chronic Active						1 [2.0]
Inflammation, Subacute						1 [1.0]
Epididymis	(47)	(48)	(46)	(44)	(48)	(48)
Atrophy						
Epithelium, Hyperplasia, Focal						
Fibrosis						
Granuloma Sperm						1 [2.0]
Infiltration Cellular, Lymphocytic	5 [1.0]	4 [1.3]	12 [1.2]	4 [1.3]	9 [1.1]	7 [1.0]
Infiltration Cellular, Mixed Cell		1 [2.0]			1 [4.0]	
Inflammation, Chronic	3 [1.7]	3 [2.0]		1 [1.0]		1 [2.0]
Inflammation, Chronic Active						
Inflammation, Subacute	1 [1.0]			1 [1.0]		
Mineralization	1 [1.0]			1 [1.0]		
Necrosis	1 [1.0]					
Penis	(0)	(1)	(1)	(2)	(0)	(0)
Adventitia, Inflammation, Chronic						

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Cyst			1 [1.0]			
Hyperplasia					1 [2.0]	
Inflammation, Acute						
Inflammation, Chronic			1 [2.0]			
Inflammation, Chronic Active		1 [3.0]			1 [2.0]	
Preputial Gland	(45)	(44)	(43)	(43)	(46)	(45)
Angiectasis	1 [4.0]	1 [1.0]				
Atrophy	18 [2.7]	14 [2.5]	14 [2.8]	28 [3.1]	14 [2.9]	19 [3.1]
Cyst		1 [3.0]			1 [1.0]	2 [2.0]
Degeneration						
Dilatation	7 [2.1]	20 [2.0]	16 [2.6]	10 [2.4]	15 [2.0]	14 [2.3]
Hyperplasia						
Inflammation, Acute	3 [3.0]	3 [1.7]			1 [3.0]	
Inflammation, Chronic	7 [1.1]	6 [1.2]	9 [1.8]	9 [1.6]	11 [1.3]	8 [1.5]
Inflammation, Chronic Active	10 [3.1]	12 [2.8]	9 [2.8]	10 [2.4]	9 [3.2]	3 [3.0]
Inflammation, Subacute			1 [1.0]	1 [2.0]		1 [1.0]
Prostate	(46)	(45)	(45)	(45)	(46)	(47)
Artery, Inflammation, Chronic	1 [3.0]					
Atrophy	1 [2.0]	1 [1.0]	1 [1.0]	5 [1.8]		2 [2.0]
Dilatation		1 [2.0]				
Epithelium, Hyperplasia			1 [4.0]			1 [4.0]
Infiltration Cellular, Lymphocytic	2 [2.5]	2 [1.0]	1 [1.0]	1 [1.0]		1 [1.0]
Infiltration Cellular, Mixed Cell					1 [3.0]	
Inflammation, Acute	3 [3.0]	2 [2.5]	1 [3.0]	3 [2.3]	2 [3.0]	
Inflammation, Chronic						
Inflammation, Chronic Active						
Inflammation, Subacute	15 [1.1]	16 [1.0]	13 [1.0]	5 [1.2]	14 [1.1]	10 [1.1]
Seminal Vesicle	(46)	(48)	(46)	(46)	(47)	(48)
Atrophy	2 [2.0]	3 [2.0]	4 [1.5]	5 [1.4]	6 [1.5]	7 [1.7]

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Route: DOSED WATER

Species/Strain: Mouse/B6C3F1/NCTR

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

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/18/2014

Time Report Requested: 00:05:57

First Dose M/F: NA / NA

Lab: NCTR

B6C3F1/NCTR Mouse MALE	0% ETH/ 0PPM URE	0% ETH/ 10PPMURE	0% ETH/ 30PPMURE	0% ETH/ 90PPMURE	2.5%ETH/0PPM URE	2.5%ETH/10PPMURE
Dilatation	5 [2.0]	2 [2.5]	4 [1.8]			
Infiltration Cellular, Lymphocytic			1 [1.0]	1 [1.0]		1 [1.0]
Inflammation, Acute	1 [1.0]	2 [3.0]		1 [2.0]	1 [4.0]	
Inflammation, Chronic			1 [2.0]			2 [2.0]
Inflammation, Chronic Active						1 [3.0]
Testes	(47)	(48)	(46)	(46)	(48)	(48)
Cyst						
Developmental Malformation			1			
Fibrosis						
Germinal Epith, Atrophy	2 [1.5]	4 [2.5]	3 [2.7]	2 [2.0]	2 [3.0]	3 [2.3]
Germinal Epith, Degeneration	3 [1.0]	4 [1.8]	3 [1.0]	1 [1.0]	2 [1.5]	3 [1.7]
Hemorrhage				1 [2.0]		1 [2.0]
Mineralization	1 [1.0]	1 [1.0]		2 [1.0]	3 [1.7]	2 [1.0]
Ovotestis			1			
HEMATOPOIETIC SYSTEM						
Bone Marrow	(46)	(47)	(45)	(45)	(48)	(48)
Angiectasis			2 [3.0]			2 [2.0]
Depletion						
Fibrosis						
Hemorrhage						
Hyperplasia	6 [1.5]	6 [1.8]	6 [1.7]	10 [1.6]	12 [1.8]	4 [1.5]
Myelofibrosis						
Necrosis	1 [4.0]					1 [2.0]
Thrombosis			1			
Lymph Node	(2)	(7)	(7)	(6)	(5)	(3)
Axillary, Hemorrhage						
Axillary, Hyperplasia				1 [2.0]	1 [2.0]	
Inguinal, Degeneration, Cystic		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: 00602-05

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Mouse/B6C3F1/NCTR

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

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CAS Number: URETHCOMB

Date Report Requested: 10/18/2014

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First Dose M/F: NA / NA

Lab: NCTR

B6C3F1/NCTR Mouse MALE	0% ETH/ 0PPM URE	0% ETH/ 10PPMURE	0% ETH/ 30PPMURE	0% ETH/ 90PPMURE	2.5%ETH/0PPM URE	2.5%ETH/10PPMUR E
Inguinal, Hemorrhage				1 [3.0]		
Inguinal, Hyperplasia		1 [3.0]		2 [2.5]	1 [2.0]	
Inguinal, Infiltration Cellular, Histiocytic						
Inguinal, Pigmentation						
Lumbar, Hyperplasia	1 [2.0]					
Lumbar, Infiltration Cellular, Mixed Cell					1 [3.0]	
Renal, Autolysis			1			
Renal, Hyperplasia			2 [3.5]	2 [2.5]		
Thoracic, Hyperplasia						
Lymph Node, Mandibular	(46)	(46)	(46)	(45)	(48)	(48)
Angiectasis			1 [4.0]			
Atrophy						
Congestion						
Cyst						
Depletion Lymphoid						1 [2.0]
Hemorrhage		1 [1.0]		1 [1.0]		
Hyperplasia	12 [2.0]	9 [2.1]	17 [1.6]	11 [2.0]	13 [1.5]	9 [1.9]
Infiltration Cellular, Histiocytic	4 [1.5]	3 [1.3]	2 [1.0]	4 [1.3]	2 [2.0]	4 [1.8]
Infiltration Cellular, Mixed Cell					1 [1.0]	
Inflammation, Chronic						
Mineralization	1 [1.0]					
Pigmentation	1 [1.0]		1 [2.0]		2 [1.0]	
Lymph Node, Mesenteric	(43)	(47)	(43)	(38)	(48)	(48)
Angiectasis	22 [2.2]	21 [2.0]	25 [1.8]	17 [2.4]	18 [1.7]	20 [2.0]
Depletion Lymphoid						
Hematopoietic Cell Proliferation				1 [1.0]		
Hemorrhage		1 [2.0]		2 [2.0]	1 [3.0]	
Hyperplasia	6 [1.3]	13 [1.8]	11 [2.1]	5 [1.2]	13 [1.8]	12 [1.3]
Hyperplasia, Lymphoid						

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Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Mouse/B6C3F1/NCTR

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Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/18/2014

Time Report Requested: 00:05:57

First Dose M/F: NA / NA

Lab: NCTR

B6C3F1/NCTR Mouse MALE	0% ETH/ 0PPM URE	0% ETH/ 10PPMURE	0% ETH/ 30PPMURE	0% ETH/ 90PPMURE	2.5%ETH/0PPM URE	2.5%ETH/10PPMUR E
Infiltration Cellular, Histiocytic	2 [1.5]			2 [1.0]		2 [1.0]
Infiltration Cellular, Lymphocytic		1 [3.0]				
Infiltration Cellular, Mixed Cell					1 [3.0]	
Inflammation, Acute					1 [2.0]	
Inflammation, Chronic Active						
Necrosis		1 [2.0]				
Vein, Thrombosis						
Spleen	(44)	(46)	(45)	(42)	(46)	(46)
Angiectasis			2 [2.5]		1 [2.0]	1 [1.0]
Congestion					1 [4.0]	
Hematopoietic Cell Proliferation	19 [2.9]	22 [3.0]	17 [2.5]	32 [2.9]	20 [3.1]	16 [2.9]
Infiltration Cellular, Histiocytic						1 [2.0]
Infiltration Cellular, Lymphocytic		1 [3.0]				
Inflammation, Chronic Active				1 [2.0]		
Lymph Follic, Atrophy	3 [2.7]	3 [2.0]		1 [2.0]		1 [2.0]
Lymph Follic, Hyperplasia	10 [2.8]	16 [2.3]	20 [2.7]	2 [3.0]	19 [2.9]	21 [2.8]
Metaplasia, Osseous						
Necrosis				1 [3.0]		
Pigmentation			1 [2.0]			1 [2.0]
Thymus	(32)	(29)	(35)	(27)	(35)	(32)
Atrophy	15 [3.0]	11 [3.1]	14 [2.4]	18 [2.9]	12 [2.9]	13 [2.4]
Cortex, Hyperplasia			1 [1.0]			
Cyst	3 [1.0]		2 [1.5]	1 [1.0]	8 [1.1]	4 [1.0]
Epithel Cell, Hyperplasia			1 [1.0]			
Hemorrhage						
Infiltration Cellular, Mixed Cell					1 [3.0]	
Medulla, Hyperplasia	1 [1.0]	1 [2.0]				
Necrosis						1 [2.0]

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Experiment Number: 00602-05

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Mouse/B6C3F1/NCTR

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

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/18/2014

Time Report Requested: 00:05:57

First Dose M/F: NA / NA

Lab: NCTR

B6C3F1/NCTR Mouse MALE	0% ETH/ 0PPM URE	0% ETH/ 10PPMURE	0% ETH/ 30PPMURE	0% ETH/ 90PPMURE	2.5%ETH/0PPM URE	2.5%ETH/10PPMUR E
INTEGUMENTARY SYSTEM						
Mammary Gland	(0)	(2)	(5)	(1)	(0)	(2)
Cyst			1 [2.0]			
Skin	(47)	(48)	(47)	(48)	(48)	(48)
Edema			2 [2.0]	1 [2.0]	1 [3.0]	1 [2.0]
Epithelium, Hyperplasia	2 [3.0]	2 [2.0]				4 [2.3]
Erosion	1 [1.0]			1 [4.0]	1 [2.0]	1 [2.0]
Fat, Necrosis						
Inflammation, Acute	1 [1.0]					
Inflammation, Chronic	4 [2.0]	4 [1.5]		3 [2.7]	1 [2.0]	5 [2.6]
Inflammation, Chronic Active	1 [3.0]	3 [2.3]		1 [2.0]	2 [3.0]	
Metaplasia, Osseous	1 [2.0]	2 [2.5]			1 [3.0]	
Prepuce, Inflammation, Acute						1 [1.0]
Prepuce, Inflammation, Chronic Active						
Sebaceous Gl, Hyperplasia				1 [3.0]		
Ulcer	3 [3.3]	3 [3.0]			1 [2.0]	
MUSCULOSKELETAL SYSTEM						
Bone	(48)	(48)	(47)	(48)	(48)	(48)
Calvarium, Hyperostosis						
Cartilage, Femur, Joint, Degeneration	3 [1.7]	12 [1.8]	10 [1.3]	3 [2.7]	9 [1.6]	9 [1.7]
Cartilage, Sternum, Degeneration						
Cranium, Hyperostosis						
Femur, Hyperostosis				1 [2.0]		
Femur, Joint, Hyperostosis				1 [3.0]		
Femur, Joint, Inflammation, Acute						
Femur, Joint, Inflammation, Chronic						
Femur, Joint, Inflammation, Chronic Active						1 [3.0]
Femur, Osteomalacia	1 [2.0]					

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Experiment Number: 00602-05

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Mouse/B6C3F1/NCTR

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Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/18/2014

Time Report Requested: 00:05:58

First Dose M/F: NA / NA

Lab: NCTR

B6C3F1/NCTR Mouse MALE	0% ETH/ 0PPM URE	0% ETH/ 10PPMURE	0% ETH/ 30PPMURE	0% ETH/ 90PPMURE	2.5%ETH/0PPM URE	2.5%ETH/10PPMUR E
Periosteum, Sternum, Inflammation, Chronic						
Sternum, Hyperostosis	2 [1.5]			1 [1.0]		
Sternum, Inflammation, Acute						
Sternum, Osteomalacia				1 [2.0]		
Skeletal Muscle	(48)	(48)	(47)	(48)	(48)	(48)
Infiltration Cellular, Lymphocytic	2 [1.0]	3 [1.3]	4 [1.0]	2 [1.5]	2 [1.5]	2 [1.0]
Inflammation, Subacute			1 [1.0]			
Mineralization			1 [1.0]			1 [2.0]
Necrosis	1 [1.0]					
Regeneration						
NERVOUS SYSTEM						
Brain, Cerebellum	(48)	(47)	(44)	(46)	(47)	(48)
Hemorrhage						
Meninges, Inflammation, Acute			1 [2.0]			
Meninges, Mineralization						
Necrosis						
Brain, Cerebrum	(48)	(48)	(47)	(47)	(48)	(48)
Cyst Epithelial Inclusion		1				
Inflammation, Acute			1 [2.0]			
Meninges, Inflammation, Acute						
Necrosis				1 [2.0]		
Thalamus, Mineralization	25 [1.1]	24 [1.0]	23 [1.0]	17 [1.1]	27 [1.0]	25 [1.0]
Peripheral Nerve	(47)	(48)	(47)	(48)	(48)	(48)
Degeneration	6 [1.0]	7 [1.0]	5 [1.0]	2 [1.5]	3 [1.0]	5 [1.0]
Spinal Cord, Thoracic	(47)	(48)	(47)	(48)	(48)	(48)
Meninges, Inflammation, Acute						
Necrosis						1 [2.0]

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B6C3F1/NCTR Mouse MALE	0% ETH/ 0PPM URE	0% ETH/ 10PPMURE	0% ETH/ 30PPMURE	0% ETH/ 90PPMURE	2.5%ETH/0PPM URE	2.5%ETH/10PPMUR E
RESPIRATORY SYSTEM						
Larynx	(45)	(45)	(46)	(45)	(44)	(47)
Atrophy						
Cyst						2 [1.0]
Infiltration Cellular, Lymphocytic						
Inflammation, Acute				1 [1.0]		
Inflammation, Chronic		1 [1.0]				
Inflammation, Subacute						1 [1.0]
Lung	(48)	(48)	(47)	(48)	(48)	(48)
Alveolar Epith, Hyperplasia	2 [1.5]	1 [4.0]	6 [1.5]	11 [2.8]		3 [2.3]
Bronchiole, Epithelium, Hyperplasia						
Foreign Body					1	1
Hemorrhage				1 [1.0]		
Infiltration Cellular, Histiocytic			1 [1.0]	3 [1.7]		2 [1.5]
Infiltration Cellular, Lymphocytic	6 [1.5]	7 [1.4]	6 [1.3]		6 [1.2]	4 [1.0]
Infiltration Cellular, Mixed Cell					1 [3.0]	
Inflammation, Chronic	2 [1.0]	1 [1.0]		1 [1.0]	2 [1.5]	1 [1.0]
Inflammation, Chronic Active	1 [1.0]	1 [3.0]			1 [2.0]	1 [3.0]
Parasite Protozoan		1				
Pigmentation			1 [2.0]	1 [2.0]		1 [2.0]
Pleura, Infiltration Cellular, Lymphocytic	1 [2.0]					
Vein, Inflammation, Acute						
Vein, Inflammation, Chronic						
Vein, Inflammation, Subacute			1 [2.0]			
Nose	(47)	(48)	(47)	(47)	(48)	(48)
Foreign Body						1
Glands, Hyperplasia					1 [3.0]	
Inflammation			2 [1.0]	1 [2.0]		

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Mucosa, Cyst	1 [1.0]				1 [2.0]	
Nasolacrim Dct, Inflammation, Acute						
Nasolacrim Dct, Inflammation, Chronic						
Olfactory Epi, Cytoplasmic Alteration	20 [1.5]	27 [1.5]	21 [1.6]	16 [1.5]	13 [1.6]	12 [1.6]
Respirat Epith, Cytoplasmic Alteration	26 [1.7]	25 [1.7]	22 [1.8]	17 [1.5]	15 [1.4]	9 [1.4]
Trachea	(47)	(47)	(46)	(46)	(47)	(48)
Inflammation, Acute					1 [1.0]	
SPECIAL SENSES SYSTEM						
Ear	(0)	(0)	(0)	(0)	(0)	(0)
Inflammation, Chronic Active						
Ulcer						
Eye	(47)	(47)	(47)	(47)	(47)	(47)
Atrophy				1 [4.0]		
Cornea, Degeneration				1 [2.0]		
Cornea, Hyperplasia			1 [2.0]			
Cornea, Inflammation, Acute	1 [2.0]			1 [2.0]		
Cornea, Inflammation, Chronic			6 [2.0]	6 [2.8]		
Cornea, Inflammation, Chronic Active		1 [3.0]		2 [2.5]		
Inflammation, Chronic Active						1 [4.0]
Iris, Inflammation, Acute				1 [2.0]		
Lens, Cataract		1 [1.0]	3 [1.7]			1 [1.0]
Lids, Inflammation, Chronic Active			1 [1.0]			
Mineralization						
Optic Nerve, Inflammation, Acute						
Harderian Gland	(47)	(47)	(47)	(47)	(48)	(48)
Hyperplasia, Focal		1 [2.0]	4 [3.0]	2 [3.0]		
Infiltration Cellular, Lymphocytic	18 [1.1]	18 [1.1]	11 [1.2]	5 [1.0]	16 [1.2]	18 [1.1]
Infiltration Cellular, Mixed Cell					1 [3.0]	

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Test Type: CHRONIC

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Species/Strain: Mouse/B6C3F1/NCTR

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First Dose M/F: NA / NA

Lab: NCTR

B6C3F1/NCTR Mouse MALE	0% ETH/ 0PPM URE	0% ETH/ 10PPMURE	0% ETH/ 30PPMURE	0% ETH/ 90PPMURE	2.5%ETH/0PPM URE	2.5%ETH/10PPMUR E
Inflammation, Chronic		1 [1.0]		1 [2.0]		
Inflammation, Chronic Active						
Lacrimal Gland	(47)	(47)	(44)	(47)	(48)	(47)
Amyloid Deposition						
Atrophy	7 [1.7]	10 [1.5]	5 [1.2]	8 [2.3]	7 [1.4]	8 [1.8]
Atrophy, Focal				1 [2.0]		
Cyst						
Degeneration						
Duct, Hyperplasia						1 [3.0]
Hyperplasia, Focal			1 [1.0]			
Infiltration Cellular, Lymphocytic	20 [1.2]	15 [1.4]	11 [1.4]	11 [1.2]	9 [1.0]	12 [1.2]
Infiltration Cellular, Mast Cell						
Infiltration Cellular, Mixed Cell					1 [3.0]	
Inflammation, Chronic Active						
Mineralization				1 [1.0]		
Necrosis						
Zymbal's Gland	(45)	(45)	(45)	(45)	(47)	(45)
Cyst					1 [3.0]	1 [3.0]
Dilatation			1 [3.0]	1 [2.0]		
Hyperplasia			2 [2.0]		1 [1.0]	
Infiltration Cellular, Lymphocytic						
Inflammation, Subacute						
URINARY SYSTEM						
Kidney	(46)	(47)	(46)	(45)	(48)	(48)
Amyloid Deposition		5 [1.2]			4 [1.3]	4 [1.3]
Artery, Inflammation, Chronic						
Atrophy					1 [1.0]	
Atrophy, Focal						

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CAS Number: URETHCOMB

Date Report Requested: 10/18/2014

Time Report Requested: 00:05:59

First Dose M/F: NA / NA

Lab: NCTR

B6C3F1/NCTR Mouse MALE	0% ETH/ 0PPM URE	0% ETH/ 10PPMURE	0% ETH/ 30PPMURE	0% ETH/ 90PPMURE	2.5%ETH/0PPM URE	2.5%ETH/10PPMUR E
Bacterium					1	
Cyst	4 [1.3]	2 [1.0]	5 [1.4]	3 [1.0]	6 [1.5]	5 [1.0]
Glomerulosclerosis	30 [1.3]	35 [1.3]	35 [1.4]	27 [1.5]	35 [1.4]	32 [1.4]
Glomerulus, Thrombosis				1 [2.0]		
Hematopoietic Cell Proliferation			1 [2.0]			
Hypoplasia, Focal			1 [2.0]			
Infarct						
Infiltration Cellular, Lymphocytic	15 [1.3]	17 [1.1]	21 [1.3]	18 [1.1]	29 [1.3]	28 [1.3]
Infiltration Cellular, Mixed Cell					1 [3.0]	
Inflammation, Acute					1 [1.0]	
Inflammation, Chronic	1 [3.0]			1 [1.0]		
Inflammation, Chronic Active					1 [4.0]	
Metaplasia, Osseous					1 [1.0]	
Mineralization	8 [1.1]	8 [1.1]	7 [1.0]	3 [1.0]	7 [1.0]	7 [1.1]
Nephropathy		1 [1.0]				
Papilla, Necrosis		1 [2.0]				1 [2.0]
Pelvis, Dilatation		1 [1.0]			2 [2.0]	1 [3.0]
Pelvis, Inflammation					1 [2.0]	
Pelvis, Inflammation, Acute	4 [2.5]	1 [2.0]			1 [2.0]	1 [1.0]
Pelvis, Inflammation, Chronic		1 [1.0]	2 [1.0]			
Pelvis, Inflammation, Chronic Active						1 [2.0]
Pelvis, Inflammation, Subacute		1 [2.0]				
Pelvis, Mineralization						1 [2.0]
Pigmentation	1 [2.0]			1 [3.0]		
Renal Tubule, Accumulation, Hyaline Droplet			1 [3.0]			1 [1.0]
Renal Tubule, Degeneration	18 [1.2]	21 [1.2]	10 [1.1]	7 [1.6]	20 [1.1]	14 [1.3]
Renal Tubule, Hyperplasia, Focal	1 [1.0]	2 [1.0]		1 [2.0]	3 [1.7]	1 [3.0]
Renal Tubule, Necrosis						

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Species/Strain: Mouse/B6C3F1/NCTR

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Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/18/2014

Time Report Requested: 00:05:59

First Dose M/F: NA / NA

Lab: NCTR

B6C3F1/NCTR Mouse MALE	0% ETH/ 0PPM URE	0% ETH/ 10PPMURE	0% ETH/ 30PPMURE	0% ETH/ 90PPMURE	2.5%ETH/0PPM URE	2.5%ETH/10PPMUR E
Vein, Thrombosis				1 [2.0]		
Ureter	(0)	(0)	(0)	(0)	(0)	(0)
Urethra	(0)	(1)	(0)	(1)	(0)	(0)
Bulboureth GI, Congestion		1 [4.0]				
Bulboureth GI, Inflammation, Acute						
Urinary Bladder	(46)	(46)	(46)	(40)	(47)	(46)
Calculus Gross Observation						
Dilatation	1 [4.0]	1 [2.0]		2 [3.0]		1 [3.0]
Edema	1 [1.0]	1 [3.0]	1 [2.0]	1 [2.0]		
Infiltration Cellular, Lymphocytic	19 [1.2]	21 [1.1]	20 [1.2]	9 [1.3]	24 [1.3]	23 [1.1]
Infiltration Cellular, Mixed Cell					1 [3.0]	
Inflammation, Acute	4 [2.0]	2 [3.5]	1 [1.0]	4 [1.8]	2 [3.0]	
Inflammation, Chronic						
Inflammation, Chronic Active	2 [3.0]					
Mineralization	1 [2.0]					
Transit Epithe, Hyperplasia						
Ulcer						

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: 00602-05

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Mouse/B6C3F1/NCTR

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

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/18/2014

Time Report Requested: 00:05:59

First Dose M/F: NA / NA

Lab: NCTR

B6C3F1/NCTR Mouse MALE	2.5%ETH/30PPMUR E	2.5%ETH/90PPMUR E	5.0%ETH/0PPM URE	5.0%ETH/10PPMUR E	5.0%ETH/30PPMUR E	5.0%ETH/90PPMUR E
Disposition Summary						
Animals Initially In Study	48	48	48	48	48	48
Early Deaths						
Moribund	5	6	4	3	6	11
Natural Death	14	19	4	12	15	17
Survivors						
Moribund	2	3	1	3		4
Natural Death	2	4	3	1	2	4
Terminal Sacrifice	25	16	36	29	25	12
Animals Examined Microscopically	47	48	48	48	48	48
ALIMENTARY SYSTEM						
Esophagus	(46)	(48)	(47)	(46)	(48)	(48)
Gallbladder	(40)	(39)	(42)	(37)	(30)	(32)
Concretion						
Cyst						
Epithelium, Cytoplasmic Alteration					1 [3.0]	
Infiltration Cellular, Lymphocytic						
Inflammation, Acute				2 [1.0]		
Inflammation, Chronic			2 [1.5]			1 [2.0]
Inflammation, Subacute				1 [1.0]		
Mucosa, Cyst					1 [2.0]	
Pigmentation	1 [3.0]					
Intestine Large	(0)	(0)	(0)	(0)	(2)	(2)
Anus, Epithelium, Hyperplasia						1 [2.0]
Anus, Inflammation, Chronic Active					1 [2.0]	
Anus, Ulcer					1 [3.0]	
Intestine Large, Cecum	(42)	(43)	(45)	(45)	(38)	(39)
Hemorrhage		1 [4.0]				

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Lymphoid Tiss, Hyperplasia				1 [2.0]	1 [3.0]	
Intestine Large, Colon	(44)	(46)	(47)	(45)	(43)	(43)
Lymphoid Tiss, Hyperplasia						
Intestine Large, Rectum	(47)	(47)	(47)	(46)	(48)	(46)
Anus, Cyst				1 [1.0]		
Anus, Erosion, Focal	1 [2.0]					
Anus, Inflammation, Acute				1 [1.0]		
Cyst						
Epithelium, Hyperplasia						1 [2.0]
Erosion					1 [3.0]	
Inflammation, Acute						1 [3.0]
Inflammation, Chronic					1 [2.0]	
Inflammation, Chronic Active						1 [3.0]
Necrosis						
Serosa, Infiltration Cellular, Lymphocytic						
Serosa, Inflammation, Acute						
Serosa, Inflammation, Chronic Active	1 [4.0]					
Ulcer						
Intestine Small, Duodenum	(40)	(42)	(46)	(43)	(36)	(38)
Inflammation, Chronic Active						
Lymphoid Tiss, Hyperplasia			1 [4.0]			
Intestine Small, Ileum	(41)	(41)	(42)	(43)	(36)	(39)
Inflammation, Chronic			1 [2.0]			
Inflammation, Chronic Active						
Lymphoid Tiss, Hyperplasia						
Intestine Small, Jejunum	(41)	(37)	(45)	(46)	(38)	(36)
Inflammation, Chronic Active						
Liver	(46)	(48)	(48)	(46)	(48)	(48)
Amyloid Deposition	1 [3.0]			1 [1.0]	1 [2.0]	

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Experiment Number: 00602-05

Test Type: CHRONIC

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Angiectasis	7	16	1	1	8	19
Basophilic Focus	1	2	1	4	1	
Bile Duct, Cyst			1 [2.0]			1 [3.0]
Bile Duct, Hyperplasia						2 [1.5]
Clear Cell Focus	5		2	4	4	
Eosinophilic Focus	17	22	10	9	18	25
Eosinophilic Focus, Multiple						
Hematopoietic Cell Proliferation	5 [2.0]	11 [2.4]	1 [3.0]	1 [3.0]	5 [1.4]	13 [1.4]
Hepatocyte, Hypertrophy						
Hepatocyte, Necrosis	5 [1.8]	3 [1.7]	7 [1.3]	5 [1.8]	2 [1.0]	5 [2.4]
Hepatocyte, Nuclear Alteration	1 [1.0]		1 [2.0]	3 [2.0]	6 [1.5]	3 [2.3]
Hepatocyte, Syncytial Alteration	5 [1.2]	4 [1.3]	16 [1.4]	13 [1.4]	10 [1.8]	5 [1.8]
Hepatocyte, Vacuolization Cytoplasmic	2 [1.5]	1 [3.0]	2 [1.0]	5 [2.0]	4 [2.3]	1 [2.0]
Infiltration Cellular, Lymphocytic				2 [1.0]		
Infiltration Cellular, Mixed Cell	5 [1.0]		4 [1.0]	3 [1.0]	2 [1.0]	
Inflammation, Chronic Active	1 [3.0]					1 [4.0]
Inflammation, Subacute						
Kupffer Cell, Hyperplasia	9 [2.0]	13 [2.5]	7 [2.1]	9 [1.3]	10 [1.6]	13 [2.4]
Median Lobe, Infarct			1			
Mixed Cell Focus	4	1	1	4	5	
Necrosis	4 [2.5]	4 [3.0]	3 [2.0]	1 [3.0]	3 [1.3]	4 [3.5]
Oval Cell, Hyperplasia			1 [2.0]			1 [2.0]
Pigmentation						
Regeneration	1	9			3	5
Tension Lipidosis			1			
Mesentery	(2)	(3)	(4)	(1)	(2)	(0)
Cyst						
Fat, Necrosis	1	1	3	1		
Inflammation, Chronic					1 [3.0]	

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Experiment Number: 00602-05

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Mouse/B6C3F1/NCTR

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

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/18/2014

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First Dose M/F: NA / NA

Lab: NCTR

B6C3F1/NCTR Mouse MALE	2.5%ETH/30PPMUR E	2.5%ETH/90PPMUR E	5.0%ETH/0PPM URE	5.0%ETH/10PPMUR E	5.0%ETH/30PPMUR E	5.0%ETH/90PPMUR E
Pancreas	(46)	(46)	(48)	(46)	(45)	(44)
Acinar Cell, Atrophy			1 [2.0]			1 [4.0]
Acinar Cell, Degeneration	1 [2.0]			1 [1.0]		
Acinar Cell, Hyperplasia, Focal						
Acinar Cell, Vacuolization Cytoplasmic		1 [1.0]			1 [1.0]	2 [2.0]
Amyloid Deposition						
Basophilic Focus	1					
Duct, Dilatation					1 [2.0]	
Eosinophilic Focus						
Infiltration Cellular, Lymphocytic	2 [1.0]	1 [1.0]	1 [1.0]	7 [1.0]	4 [1.0]	1 [1.0]
Inflammation, Chronic	1 [1.0]					
Inflammation, Chronic Active						1 [4.0]
Necrosis						1 [2.0]
Salivary Glands	(46)	(48)	(48)	(48)	(48)	(48)
Atrophy	2 [3.0]	3 [2.0]	8 [1.8]	2 [2.0]	3 [1.7]	8 [2.1]
Duct, Hyperplasia			1 [3.0]			
Hyperplasia						
Infiltration Cellular, Lymphocytic	28 [1.4]	29 [1.4]	40 [1.6]	38 [1.6]	34 [1.6]	16 [1.4]
Infiltration Cellular, Mixed Cell						
Inflammation, Chronic			1 [2.0]			
Inflammation, Chronic Active	1 [3.0]					
Mineralization	1 [1.0]				1 [1.0]	
Parotid G1, Atrophy						
Stomach, Forestomach	(46)	(46)	(48)	(47)	(45)	(48)
Cyst	1 [1.0]		2 [1.5]		1 [1.0]	
Diverticulum						
Epithelium, Cytoplasmic Alteration						
Epithelium, Hyperplasia		5 [1.6]	1 [2.0]		3 [2.3]	2 [2.0]
Erosion						

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Route: DOSED WATER

Species/Strain: Mouse/B6C3F1/NCTR

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Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/18/2014

Time Report Requested: 00:06:00

First Dose M/F: NA / NA

Lab: NCTR

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Inflammation	1 [2.0]					
Inflammation, Chronic Active					1 [2.0]	
Stomach, Glandular	(45)	(46)	(48)	(46)	(45)	(45)
Cyst				1 [1.0]	1 [1.0]	
Ectopic Tissue						
Epithelium, Hyperplasia	3 [1.7]		1 [3.0]			1 [3.0]
Erosion	1 [2.0]	1 [2.0]	1 [1.0]	1 [2.0]		1 [1.0]
Infiltration Cellular, Lymphocytic			1 [1.0]		1 [1.0]	
Inflammation, Acute						
Inflammation, Chronic			1 [1.0]			
Inflammation, Subacute			1 [1.0]			
Metaplasia, Squamous			1 [1.0]			
Mineralization				1 [1.0]		
Mucosa, Angiectasis		1 [1.0]				
Serosa, Angiectasis		1 [3.0]				
Ulcer				1 [2.0]		
Tongue	(46)	(48)	(48)	(48)	(48)	(48)
Artery, Inflammation, Chronic				1 [2.0]		
Epithelium, Hyperplasia, Focal	1 [4.0]					
Foreign Body	1		1			2
Infiltration Cellular, Lymphocytic						
Inflammation, Chronic	2 [1.0]		1 [1.0]			2 [1.0]
Inflammation, Chronic Active		1 [1.0]				
Necrosis						
CARDIOVASCULAR SYSTEM						
Blood Vessel	(45)	(48)	(47)	(46)	(47)	(47)
Mineralization	1 [2.0]					
Heart	(47)	(48)	(47)	(48)	(48)	(48)

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Experiment Number: 00602-05

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Abscess				1 [3.0]		
Angiectasis	7 [2.0]	13 [2.1]			1 [1.0]	5 [1.4]
Artery, Inflammation, Chronic				1 [2.0]		
Atrium, Infiltration Cellular, Lymphocytic						
Atrium, Thrombosis					1 [3.0]	1 [2.0]
Bacterium				3		
Cardiomyopathy		2 [1.0]	3 [1.0]		2 [1.5]	
Endothelium, Hyperplasia	4 [2.0]	9 [1.4]				2 [1.5]
Epicardium, Inflammation, Acute						
Epicardium, Inflammation, Chronic	1 [2.0]					
Epicardium, Inflammation, Subacute	1 [1.0]				1 [1.0]	
Inflammation, Chronic				1 [1.0]		
Mineralization	1 [1.0]		1 [2.0]	2 [1.5]		1 [3.0]
Myocardium, Inflammation, Acute						
Myocardium, Inflammation, Chronic	1 [1.0]	3 [1.7]		1 [1.0]		
Necrosis		1 [1.0]				1 [2.0]
Parenchym Cell, Hypertrophy	1 [1.0]				1 [1.0]	3 [1.3]
Valve, Bacterium		1				
Valve, Inflammation, Acute	1 [3.0]			2 [4.0]		
Valve, Inflammation, Chronic					1 [1.0]	
Valve, Inflammation, Chronic Active		1 [4.0]				
ENDOCRINE SYSTEM						
Adrenal Gland	(0)	(0)	(0)	(0)	(0)	(1)
Adrenal Gland, Cortex	(46)	(46)	(46)	(47)	(47)	(45)
Angiectasis						
Cyst	1 [1.0]			1 [2.0]	1 [1.0]	
Degeneration						
Hyperplasia, Focal	1 [2.0]	1 [1.0]	1 [3.0]	2 [3.5]	1 [1.0]	1 [2.0]

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Hypertrophy	7 [1.9]	11 [2.0]	9 [2.0]	6 [1.7]	5 [2.2]	5 [2.0]
Necrosis				1 [2.0]	1 [4.0]	
Subcapsular, Hyperplasia	38 [1.5]	42 [1.2]	39 [1.5]	41 [1.4]	38 [1.4]	39 [1.3]
Subcapsular, Hyperplasia, Focal Vacuolization Cytoplasmic, Focal		1 [2.0]			1 [2.0]	
Adrenal Gland, Medulla	(45)	(46)	(46)	(46)	(46)	(45)
Amyloid Deposition					1 [2.0]	
Fibrosis						
Hyperplasia		1 [3.0]		1 [1.0]		
Pigmentation						
Islets, Pancreatic	(46)	(46)	(48)	(46)	(46)	(44)
Hyperplasia	3 [1.7]	2 [2.5]	1 [2.0]	2 [1.5]	2 [1.5]	3 [2.7]
Infiltration Cellular, Lymphocytic		1 [1.0]	1 [1.0]			
Parathyroid Gland	(43)	(38)	(38)	(38)	(41)	(37)
Cyst	1 [2.0]	1 [2.0]			1 [2.0]	1 [2.0]
Infiltration Cellular, Lymphocytic Inflammation, Acute	1 [2.0]					1 [1.0]
Pituitary Gland	(41)	(42)	(39)	(39)	(42)	(42)
Pars Distalis, Cyst	2 [1.5]	1 [2.0]		4 [1.3]		1 [2.0]
Pars Distalis, Hyperplasia, Focal						
Thyroid Gland	(46)	(47)	(45)	(47)	(48)	(47)
C Cell, Hyperplasia, Focal						1 [2.0]
Crystals			1		1	1
Follicle, Cyst					1 [2.0]	
Follicular Cel, Hyperplasia			1 [1.0]		1 [3.0]	1 [1.0]
Follicular Cel, Hyperplasia, Focal						
Infiltration Cellular, Lymphocytic	1 [1.0]		1 [1.0]	1 [1.0]		
Infiltration Cellular, Mixed Cell Inflammation, Chronic					1 [2.0]	

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Experiment Number: 00602-05

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Species/Strain: Mouse/B6C3F1/NCTR

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Ultimobranchial Cyst	13	14	10	11	12	10
GENERAL BODY SYSTEM						
Tissue NOS	(0)	(0)	(0)	(0)	(0)	(1)
GENITAL SYSTEM						
Coagulating Gland	(45)	(46)	(47)	(47)	(48)	(44)
Atrophy	4 [1.3]	8 [1.4]	3 [2.0]	5 [1.8]	4 [2.0]	8 [1.5]
Cyst				1 [4.0]		
Dilatation				1 [2.0]	1 [2.0]	1 [2.0]
Infiltration Cellular, Lymphocytic	1 [1.0]	2 [1.0]	3 [1.0]	2 [1.5]		
Infiltration Cellular, Mixed Cell						
Inflammation, Acute					1 [4.0]	
Inflammation, Chronic	1 [2.0]					
Inflammation, Chronic Active						1 [3.0]
Inflammation, Subacute						
Epididymis	(46)	(48)	(48)	(48)	(48)	(47)
Atrophy				1 [2.0]		
Epithelium, Hyperplasia, Focal		1 [1.0]				
Fibrosis		1 [2.0]				
Granuloma Sperm			1 [2.0]			3 [2.0]
Infiltration Cellular, Lymphocytic	2 [1.0]	3 [1.7]	4 [1.3]	7 [1.4]	2 [1.0]	3 [1.3]
Infiltration Cellular, Mixed Cell						
Inflammation, Chronic	1 [2.0]	2 [1.5]		1 [2.0]	3 [1.7]	3 [1.7]
Inflammation, Chronic Active						1 [2.0]
Inflammation, Subacute						
Mineralization						
Necrosis						
Penis	(2)	(2)	(0)	(0)	(2)	(0)
Adventitia, Inflammation, Chronic					1 [2.0]	

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Cyst						
Hyperplasia						
Inflammation, Acute		1 [3.0]				
Inflammation, Chronic	1 [1.0]	1 [2.0]				
Inflammation, Chronic Active	1 [4.0]					
Preputial Gland	(45)	(46)	(45)	(46)	(45)	(44)
Angiectasis						
Atrophy	20 [3.1]	24 [3.0]	13 [2.7]	17 [2.8]	13 [3.0]	29 [3.1]
Cyst	2 [2.0]			1 [1.0]	2 [2.0]	2 [3.0]
Degeneration	1					
Dilatation	15 [2.1]	17 [2.4]	20 [2.1]	17 [2.3]	15 [2.3]	12 [2.3]
Hyperplasia				2 [2.0]		
Inflammation, Acute		1 [3.0]				
Inflammation, Chronic	6 [1.8]	11 [1.5]	9 [1.4]	7 [1.4]	10 [1.7]	2 [1.0]
Inflammation, Chronic Active	8 [2.9]	4 [2.5]	10 [3.0]	7 [2.9]	11 [2.9]	11 [2.8]
Inflammation, Subacute	1 [2.0]	1 [2.0]	4 [1.3]	1 [1.0]		
Prostate	(43)	(48)	(46)	(46)	(45)	(48)
Artery, Inflammation, Chronic						
Atrophy		2 [1.0]	1 [1.0]	1 [1.0]	1 [2.0]	5 [1.6]
Dilatation						
Epithelium, Hyperplasia	1 [4.0]	1 [4.0]	1 [2.0]			
Infiltration Cellular, Lymphocytic		1 [1.0]	1 [2.0]			
Infiltration Cellular, Mixed Cell						
Inflammation, Acute	2 [1.5]			1 [3.0]	1 [4.0]	2 [2.5]
Inflammation, Chronic					1 [2.0]	
Inflammation, Chronic Active	1 [1.0]		1 [2.0]		1 [2.0]	1 [2.0]
Inflammation, Subacute	7 [1.0]	8 [1.1]	19 [1.0]	17 [1.2]	9 [1.2]	7 [1.0]
Seminal Vesicle	(46)	(47)	(47)	(47)	(48)	(45)
Atrophy	6 [1.3]	10 [1.5]	3 [2.0]	5 [1.6]	3 [2.0]	10 [1.4]

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: 00602-05

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Mouse/B6C3F1/NCTR

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

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/18/2014

Time Report Requested: 00:06:01

First Dose M/F: NA / NA

Lab: NCTR

B6C3F1/NCTR Mouse MALE	2.5%ETH/30PPMUR E	2.5%ETH/90PPMUR E	5.0%ETH/0PPM URE	5.0%ETH/10PPMUR E	5.0%ETH/30PPMUR E	5.0%ETH/90PPMUR E
Dilatation				3 [1.3]	2 [2.5]	2 [2.0]
Infiltration Cellular, Lymphocytic			1 [1.0]		1 [1.0]	1 [1.0]
Inflammation, Acute	1 [2.0]				1 [2.0]	2 [2.0]
Inflammation, Chronic	1 [3.0]			1 [2.0]	1 [3.0]	
Inflammation, Chronic Active						1 [2.0]
Testes	(47)	(47)	(48)	(48)	(48)	(48)
Cyst		1 [3.0]				
Developmental Malformation						
Fibrosis					1 [4.0]	
Germinal Epith, Atrophy	1 [2.0]	4 [2.0]	2 [2.5]	3 [3.0]	4 [1.3]	2 [3.0]
Germinal Epith, Degeneration	1 [1.0]	6 [1.8]		4 [1.3]	2 [1.5]	4 [1.3]
Hemorrhage						
Mineralization	2 [2.0]	4 [1.3]	1 [1.0]	1 [1.0]	3 [1.7]	
Ovotestis						
HEMATOPOIETIC SYSTEM						
Bone Marrow	(47)	(46)	(48)	(46)	(46)	(46)
Angiectasis						
Depletion						1 [1.0]
Fibrosis			1 [2.0]			
Hemorrhage	1 [4.0]				1 [3.0]	
Hyperplasia	6 [1.8]	9 [1.4]	5 [1.6]	5 [1.4]	4 [1.5]	5 [2.0]
Myelofibrosis					1 [3.0]	
Necrosis			1 [2.0]			2 [2.5]
Thrombosis						
Lymph Node	(4)	(6)	(2)	(3)	(6)	(10)
Axillary, Hemorrhage		1 [3.0]				
Axillary, Hyperplasia						
Inguinal, Degeneration, Cystic						

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

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Experiment Number: 00602-05

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Mouse/B6C3F1/NCTR

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

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/18/2014

Time Report Requested: 00:06:01

First Dose M/F: NA / NA

Lab: NCTR

B6C3F1/NCTR Mouse MALE	2.5%ETH/30PPMUR E	2.5%ETH/90PPMUR E	5.0%ETH/0PPM URE	5.0%ETH/10PPMUR E	5.0%ETH/30PPMUR E	5.0%ETH/90PPMUR E
Inguinal, Hemorrhage						
Inguinal, Hyperplasia					1 [2.0]	
Inguinal, Infiltration Cellular, Histiocytic				1 [2.0]		1 [1.0]
Inguinal, Pigmentation						1 [2.0]
Lumbar, Hyperplasia	1 [3.0]			1 [2.0]		
Lumbar, Infiltration Cellular, Mixed Cell						
Renal, Autolysis						
Renal, Hyperplasia					1 [3.0]	
Thoracic, Hyperplasia	1 [2.0]					
Lymph Node, Mandibular	(45)	(47)	(48)	(47)	(48)	(47)
Angiectasis		1 [2.0]			1 [1.0]	
Atrophy					1 [3.0]	1 [3.0]
Congestion		1 [2.0]				
Cyst				1 [3.0]		
Depletion Lymphoid						
Hemorrhage		2 [2.0]		1 [3.0]		1 [1.0]
Hyperplasia	11 [2.1]	13 [2.2]	10 [1.4]	10 [2.2]	8 [1.4]	1 [2.0]
Infiltration Cellular, Histiocytic	3 [2.3]	4 [1.5]	2 [2.0]	1 [2.0]		5 [2.0]
Infiltration Cellular, Mixed Cell						
Inflammation, Chronic				1 [2.0]		
Mineralization						
Pigmentation		1 [1.0]			1 [2.0]	
Lymph Node, Mesenteric	(45)	(44)	(46)	(44)	(42)	(43)
Angiectasis	22 [2.3]	18 [2.2]	26 [1.7]	22 [2.0]	17 [1.8]	17 [2.1]
Depletion Lymphoid				1 [2.0]		
Hematopoietic Cell Proliferation			1 [2.0]	2 [2.0]		
Hemorrhage		2 [2.0]	1 [2.0]		2 [2.5]	1 [3.0]
Hyperplasia	6 [1.7]	3 [2.0]	11 [1.7]	10 [1.9]	6 [1.5]	
Hyperplasia, Lymphoid			1 [1.0]			

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: 00602-05

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Mouse/B6C3F1/NCTR

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

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/18/2014

Time Report Requested: 00:06:01

First Dose M/F: NA / NA

Lab: NCTR

B6C3F1/NCTR Mouse MALE	2.5%ETH/30PPMUR E	2.5%ETH/90PPMUR E	5.0%ETH/0PPM URE	5.0%ETH/10PPMUR E	5.0%ETH/30PPMUR E	5.0%ETH/90PPMUR E
Infiltration Cellular, Histiocytic		1 [1.0]	3 [1.3]	1 [1.0]	1 [1.0]	2 [3.0]
Infiltration Cellular, Lymphocytic						
Infiltration Cellular, Mixed Cell						
Inflammation, Acute	1 [3.0]					
Inflammation, Chronic Active	1 [2.0]					
Necrosis						
Vein, Thrombosis						1 [4.0]
Spleen	(46)	(46)	(48)	(46)	(46)	(45)
Angiectasis	1 [1.0]					
Congestion					1 [2.0]	
Hematopoietic Cell Proliferation	22 [3.1]	32 [3.0]	14 [2.9]	12 [3.3]	16 [3.1]	27 [2.7]
Infiltration Cellular, Histiocytic	1 [3.0]					
Infiltration Cellular, Lymphocytic						
Inflammation, Chronic Active						
Lymph Follic, Atrophy		2 [2.0]		1 [2.0]	3 [2.0]	1 [2.0]
Lymph Follic, Hyperplasia	21 [2.6]	11 [2.3]	24 [2.5]	22 [2.7]	19 [2.9]	5 [2.0]
Metaplasia, Osseous			1 [1.0]			
Necrosis						
Pigmentation						
Thymus	(28)	(32)	(34)	(33)	(32)	(35)
Atrophy	13 [3.2]	22 [3.1]	11 [2.5]	13 [2.5]	13 [3.1]	19 [3.6]
Cortex, Hyperplasia						
Cyst	2 [1.0]	1 [1.0]	3 [1.0]	4 [1.0]	3 [1.0]	2 [1.0]
Epithel Cell, Hyperplasia						
Hemorrhage					1 [1.0]	
Infiltration Cellular, Mixed Cell						
Medulla, Hyperplasia						
Necrosis						

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Experiment Number: 00602-05

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Mouse/B6C3F1/NCTR

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

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

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First Dose M/F: NA / NA

Lab: NCTR

B6C3F1/NCTR Mouse MALE	2.5%ETH/30PPMUR E	2.5%ETH/90PPMUR E	5.0%ETH/0PPM URE	5.0%ETH/10PPMUR E	5.0%ETH/30PPMUR E	5.0%ETH/90PPMUR E
INTEGUMENTARY SYSTEM						
Mammary Gland	(2)	(1)	(1)	(1)	(2)	(1)
Cyst						1 [2.0]
Skin	(46)	(47)	(48)	(47)	(48)	(45)
Edema	1 [1.0]	2 [2.0]	2 [2.0]	1 [2.0]	1 [1.0]	2 [2.5]
Epithelium, Hyperplasia		2 [2.5]	1 [4.0]		1 [2.0]	3 [2.0]
Erosion	2 [2.5]	1 [3.0]				
Fat, Necrosis					1 [3.0]	
Inflammation, Acute	1 [1.0]					1 [3.0]
Inflammation, Chronic	2 [1.5]	4 [1.3]		2 [1.5]	3 [1.7]	3 [2.3]
Inflammation, Chronic Active	2 [3.5]	5 [2.6]	1 [2.0]		3 [3.0]	1 [2.0]
Metaplasia, Osseous					1 [4.0]	
Prepuce, Inflammation, Acute						
Prepuce, Inflammation, Chronic Active					1 [2.0]	
Sebaceous Gl, Hyperplasia						
Ulcer	2 [3.5]	5 [2.4]	2 [2.0]		3 [2.7]	
MUSCULOSKELETAL SYSTEM						
Bone	(47)	(48)	(48)	(48)	(47)	(47)
Calvarium, Hyperostosis					1 [2.0]	1 [3.0]
Cartilage, Femur, Joint, Degeneration	9 [2.0]	9 [1.7]	15 [1.6]	12 [1.8]	9 [1.9]	8 [2.1]
Cartilage, Sternum, Degeneration						1 [4.0]
Cranium, Hyperostosis		1 [2.0]	1 [2.0]			
Femur, Hyperostosis					1 [2.0]	
Femur, Joint, Hyperostosis						
Femur, Joint, Inflammation, Acute		1 [2.0]				
Femur, Joint, Inflammation, Chronic						1 [2.0]
Femur, Joint, Inflammation, Chronic Active						
Femur, Osteomalacia						

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Experiment Number: 00602-05

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Mouse/B6C3F1/NCTR

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

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/18/2014

Time Report Requested: 00:06:01

First Dose M/F: NA / NA

Lab: NCTR

B6C3F1/NCTR Mouse MALE	2.5%ETH/30PPMUR E	2.5%ETH/90PPMUR E	5.0%ETH/0PPM URE	5.0%ETH/10PPMUR E	5.0%ETH/30PPMUR E	5.0%ETH/90PPMUR E
Periosteum, Sternum, Inflammation, Chronic						1 [2.0]
Sternum, Hyperostosis					1 [2.0]	
Sternum, Inflammation, Acute						1 [3.0]
Sternum, Osteomalacia						
Skeletal Muscle	(47)	(48)	(48)	(48)	(48)	(47)
Infiltration Cellular, Lymphocytic	1 [1.0]	1 [1.0]	2 [1.5]	1 [1.0]	1 [1.0]	
Inflammation, Subacute						
Mineralization						
Necrosis					1 [3.0]	2 [1.5]
Regeneration					1 [3.0]	
NERVOUS SYSTEM						
Brain, Cerebellum	(47)	(48)	(47)	(48)	(46)	(46)
Hemorrhage		1 [1.0]				
Meninges, Inflammation, Acute						
Meninges, Mineralization				1 [1.0]		
Necrosis	1 [4.0]					
Brain, Cerebrum	(47)	(48)	(48)	(48)	(48)	(48)
Cyst Epithelial Inclusion						
Inflammation, Acute						
Meninges, Inflammation, Acute				1 [4.0]		
Necrosis	1 [3.0]					
Thalamus, Mineralization	22 [1.0]	23 [1.0]	35 [1.0]	24 [1.0]	26 [1.0]	24 [1.1]
Peripheral Nerve	(47)	(48)	(47)	(48)	(48)	(47)
Degeneration	6 [1.0]	7 [1.3]	3 [1.0]	3 [1.0]	2 [1.0]	4 [1.3]
Spinal Cord, Thoracic	(47)	(48)	(48)	(48)	(48)	(48)
Meninges, Inflammation, Acute				1 [3.0]		
Necrosis		1 [1.0]				

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Experiment Number: 00602-05

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Mouse/B6C3F1/NCTR

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

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/18/2014

Time Report Requested: 00:06:02

First Dose M/F: NA / NA

Lab: NCTR

B6C3F1/NCTR Mouse MALE	2.5%ETH/30PPMUR E	2.5%ETH/90PPMUR E	5.0%ETH/0PPM URE	5.0%ETH/10PPMUR E	5.0%ETH/30PPMUR E	5.0%ETH/90PPMUR E
RESPIRATORY SYSTEM						
Larynx	(46)	(47)	(46)	(47)	(45)	(47)
Atrophy					1 [2.0]	
Cyst		1 [2.0]				
Infiltration Cellular, Lymphocytic					1 [1.0]	
Inflammation, Acute		1 [1.0]		1 [1.0]		1 [2.0]
Inflammation, Chronic						
Inflammation, Subacute	1 [1.0]			1 [1.0]		
Lung	(47)	(48)	(48)	(48)	(48)	(48)
Alveolar Epith, Hyperplasia	4 [2.3]	6 [2.2]	1 [1.0]	3 [3.0]	7 [2.3]	12 [2.8]
Bronchiole, Epithelium, Hyperplasia			1 [3.0]			
Foreign Body				1		
Hemorrhage				1 [2.0]		
Infiltration Cellular, Histiocytic		1 [1.0]	1 [1.0]			1 [2.0]
Infiltration Cellular, Lymphocytic	3 [2.0]	2 [1.5]	14 [1.2]	11 [1.3]	4 [1.3]	2 [1.0]
Infiltration Cellular, Mixed Cell						
Inflammation, Chronic	5 [2.2]	1 [1.0]	4 [1.5]	1 [1.0]	1 [1.0]	1 [1.0]
Inflammation, Chronic Active				1 [1.0]		
Parasite Protozoan	1		1			
Pigmentation	1 [4.0]	1 [1.0]				
Pleura, Infiltration Cellular, Lymphocytic						
Vein, Inflammation, Acute		1 [2.0]				
Vein, Inflammation, Chronic			1 [1.0]			
Vein, Inflammation, Subacute						
Nose	(47)	(48)	(48)	(48)	(48)	(46)
Foreign Body						
Glands, Hyperplasia						
Inflammation	1 [1.0]	1 [1.0]			1 [2.0]	

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Route: DOSED WATER

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

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Mucosa, Cyst			1 [1.0]			
Nasolacrim Dct, Inflammation, Acute			1 [2.0]			
Nasolacrim Dct, Inflammation, Chronic				1 [2.0]		
Olfactory Epi, Cytoplasmic Alteration	4 [1.3]	7 [1.4]	1 [1.0]	3 [1.3]	3 [1.3]	4 [1.3]
Respirat Epith, Cytoplasmic Alteration	5 [1.4]	3 [1.0]	5 [1.2]	5 [1.6]	8 [1.3]	1 [1.0]
Trachea	(45)	(48)	(47)	(48)	(48)	(48)
Inflammation, Acute						
SPECIAL SENSES SYSTEM						
Ear	(1)	(0)	(0)	(0)	(0)	(1)
Inflammation, Chronic Active	1 [3.0]					
Ulcer	1 [3.0]					
Eye	(47)	(46)	(48)	(48)	(48)	(46)
Atrophy	1 [4.0]					
Cornea, Degeneration						
Cornea, Hyperplasia					1 [2.0]	
Cornea, Inflammation, Acute		3 [2.0]	2 [2.5]		1 [3.0]	2 [2.0]
Cornea, Inflammation, Chronic	2 [1.5]	5 [2.4]		1 [3.0]	2 [2.0]	4 [2.3]
Cornea, Inflammation, Chronic Active	4 [2.8]	3 [3.0]	1 [2.0]		1 [3.0]	5 [3.2]
Inflammation, Chronic Active						
Iris, Inflammation, Acute						1 [2.0]
Lens, Cataract	3 [2.0]	6 [2.5]		2 [2.0]	3 [1.7]	4 [2.3]
Lids, Inflammation, Chronic Active						
Mineralization	1 [1.0]					
Optic Nerve, Inflammation, Acute				1 [3.0]		
Harderian Gland	(47)	(48)	(47)	(48)	(48)	(45)
Hyperplasia, Focal	1 [4.0]	1 [2.0]			2 [2.5]	
Infiltration Cellular, Lymphocytic	8 [1.1]	6 [1.2]	17 [1.1]	17 [1.0]	19 [1.1]	2 [1.0]
Infiltration Cellular, Mixed Cell						

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: 00602-05

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Mouse/B6C3F1/NCTR

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

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/18/2014

Time Report Requested: 00:06:02

First Dose M/F: NA / NA

Lab: NCTR

B6C3F1/NCTR Mouse MALE	2.5%ETH/30PPMUR E	2.5%ETH/90PPMUR E	5.0%ETH/0PPM URE	5.0%ETH/10PPMUR E	5.0%ETH/30PPMUR E	5.0%ETH/90PPMUR E
Inflammation, Chronic		1 [1.0]				
Inflammation, Chronic Active	1 [2.0]					
Lacrimal Gland	(45)	(46)	(47)	(47)	(48)	(47)
Amyloid Deposition						1 [1.0]
Atrophy	10 [1.3]	14 [1.9]	6 [1.5]	11 [1.6]	7 [1.6]	10 [1.7]
Atrophy, Focal						
Cyst	1 [2.0]					
Degeneration				1 [2.0]		
Duct, Hyperplasia					1 [2.0]	
Hyperplasia, Focal			1 [2.0]			
Infiltration Cellular, Lymphocytic	12 [1.3]	15 [1.1]	16 [1.1]	16 [1.3]	14 [1.3]	11 [1.2]
Infiltration Cellular, Mast Cell		1 [3.0]				
Infiltration Cellular, Mixed Cell						
Inflammation, Chronic Active	1 [2.0]					
Mineralization						
Necrosis			1 [2.0]			
Zymbal's Gland	(46)	(43)	(46)	(45)	(47)	(42)
Cyst						
Dilatation		1 [2.0]				
Hyperplasia				1 [2.0]		
Infiltration Cellular, Lymphocytic			1 [1.0]			
Inflammation, Subacute						1 [1.0]
URINARY SYSTEM						
Kidney	(47)	(47)	(48)	(47)	(48)	(48)
Amyloid Deposition		2 [1.5]	4 [1.0]	6 [1.7]	1 [1.0]	1 [1.0]
Artery, Inflammation, Chronic					1 [2.0]	
Atrophy		1 [4.0]				
Atrophy, Focal						1 [2.0]

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Experiment Number: 00602-05

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Species/Strain: Mouse/B6C3F1/NCTR

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Lab: NCTR

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Bacterium		1		1		
Cyst	3 [1.3]	3 [1.3]	7 [1.1]	3 [1.3]	4 [1.0]	4 [1.3]
Glomerulosclerosis	34 [1.4]	34 [1.4]	44 [1.4]	33 [1.4]	34 [1.2]	29 [1.5]
Glomerulus, Thrombosis						
Hematopoietic Cell Proliferation						
Hypoplasia, Focal		1 [1.0]	1 [2.0]			
Infarct				1 [2.0]	1 [2.0]	1 [1.0]
Infiltration Cellular, Lymphocytic	19 [1.1]	14 [1.2]	31 [1.4]	27 [1.3]	25 [1.4]	15 [1.0]
Infiltration Cellular, Mixed Cell						
Inflammation, Acute						
Inflammation, Chronic	1 [1.0]			1 [3.0]	1 [2.0]	
Inflammation, Chronic Active					1 [2.0]	
Metaplasia, Osseous				1 [1.0]		
Mineralization	8 [1.1]	4 [1.8]	5 [1.0]	9 [1.1]	4 [1.0]	2 [1.0]
Nephropathy		1 [1.0]				
Papilla, Necrosis		1 [3.0]				
Pelvis, Dilatation	2 [1.0]	2 [2.5]		1 [4.0]	1 [3.0]	1 [2.0]
Pelvis, Inflammation						
Pelvis, Inflammation, Acute	1 [1.0]				1 [2.0]	
Pelvis, Inflammation, Chronic		1 [3.0]			1 [2.0]	
Pelvis, Inflammation, Chronic Active	1 [2.0]	1 [4.0]			1 [2.0]	
Pelvis, Inflammation, Subacute						
Pelvis, Mineralization						
Pigmentation						
Renal Tubule, Accumulation, Hyaline Droplet					2 [2.5]	2 [2.0]
Renal Tubule, Degeneration	16 [1.3]	6 [1.0]	17 [1.4]	20 [1.2]	11 [1.2]	8 [1.4]
Renal Tubule, Hyperplasia, Focal	2 [2.0]	3 [1.7]	3 [1.0]	1 [1.0]	1 [2.0]	1 [1.0]
Renal Tubule, Necrosis		1 [4.0]				

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: 00602-05

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Mouse/B6C3F1/NCTR

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

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/18/2014

Time Report Requested: 00:06:02

First Dose M/F: NA / NA

Lab: NCTR

B6C3F1/NCTR Mouse MALE	2.5%ETH/30PPMUR E	2.5%ETH/90PPMUR E	5.0%ETH/0PPM URE	5.0%ETH/10PPMUR E	5.0%ETH/30PPMUR E	5.0%ETH/90PPMUR E
Vein, Thrombosis						
Ureter	(1)	(0)	(0)	(0)	(0)	(0)
Urethra	(0)	(0)	(0)	(1)	(3)	(0)
Bulboureth GI, Congestion						
Bulboureth GI, Inflammation, Acute					2 [4.0]	
Urinary Bladder	(45)	(46)	(48)	(47)	(48)	(45)
Calculus Gross Observation					1	
Dilatation	1 [3.0]	1 [3.0]			1 [3.0]	1 [4.0]
Edema	1 [2.0]	4 [2.0]				1 [3.0]
Infiltration Cellular, Lymphocytic	19 [1.1]	17 [1.1]	27 [1.4]	24 [1.1]	17 [1.1]	23 [1.0]
Infiltration Cellular, Mixed Cell						
Inflammation, Acute		1 [3.0]			2 [2.0]	1 [2.0]
Inflammation, Chronic		1 [2.0]				
Inflammation, Chronic Active	1 [4.0]	1 [3.0]			2 [3.0]	
Mineralization						
Transit Epithe, Hyperplasia	1 [2.0]					
Ulcer	1 [3.0]				2 [3.0]	

END OF MALE DATA

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: 00602-05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: Mouse/B6C3F1/NCTR

**P18: INCIDENCE RATES OF NON-NEOPLASTIC LESIONS BY ANATOMIC SITE (a) WITH
 AVERAGE SEVERITY GRADES[b]**
 Test Compound: Urethane + ethanol (combination)
 CAS Number: URETHCOMB

Date Report Requested: 10/18/2014
 Time Report Requested: 00:06:02
 First Dose M/F: NA / NA
 Lab: NCTR

B6C3F1/NCTR Mouse FEMALE	0% ETH/ 0PPM URE	0% ETH/ 10PPMURE	0% ETH/ 30PPMURE	0% ETH/ 90PPMURE	2.5%ETH/0PPM URE	2.5%ETH/10PPMUR E
Disposition Summary						
Animals Initially In Study	48	48	48	48	48	47
Early Deaths						
Drowned					4	3
Moribund	1	3	4	14	1	2
Natural Death	5	7	13	22	2	7
Survivors						
Moribund			1	4		2
Natural Death	4	1	3	7	2	
Terminal Sacrifice	38	37	27	1	39	33
Animals Examined Microscopically	48	48	48	48	47	47
ALIMENTARY SYSTEM						
Esophagus	(48)	(47)	(47)	(47)	(47)	(47)
Autolysis				2 [3.5]		
Gallbladder	(47)	(45)	(46)	(43)	(47)	(45)
Autolysis	7 [3.0]	1 [3.0]	2 [3.0]	7 [3.4]		2 [3.0]
Epithelium, Cytoplasmic Alteration	1 [2.0]					
Infiltration Cellular, Lymphocytic		1 [1.0]			1 [1.0]	
Inflammation, Chronic Active	1 [3.0]					
Intestine Large	(0)	(0)	(0)	(0)	(0)	(0)
Inflammation						
Intestine Large, Cecum	(48)	(45)	(46)	(45)	(47)	(45)
Autolysis	5 [3.0]	1 [3.0]	3 [3.3]	15 [3.3]	1 [2.0]	1 [3.0]
Lymphoid Tiss, Hyperplasia			1 [2.0]		1 [2.0]	1 [2.0]
Intestine Large, Colon	(48)	(44)	(46)	(46)	(47)	(45)
Autolysis	5 [3.0]	1 [3.0]	3 [3.3]	15 [3.3]	1 [2.0]	1 [3.0]
Inflammation, Chronic						1 [3.0]
Inflammation, Chronic Active						

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: 00602-05

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Mouse/B6C3F1/NCTR

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

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/18/2014

Time Report Requested: 00:06:03

First Dose M/F: NA / NA

Lab: NCTR

B6C3F1/NCTR Mouse FEMALE	0% ETH/ 0PPM URE	0% ETH/ 10PPMURE	0% ETH/ 30PPMURE	0% ETH/ 90PPMURE	2.5%ETH/0PPM URE	2.5%ETH/10PPMURE
Lymphoid Tiss, Hyperplasia						1 [2.0]
Intestine Large, Rectum	(48)	(45)	(45)	(46)	(47)	(44)
Autolysis	1 [3.0]		1 [3.0]	11 [3.4]	1 [2.0]	1 [3.0]
Inflammation						
Polyarteritis						
Intestine Small	(0)	(1)	(0)	(0)	(0)	(0)
Intussusception		1				
Intestine Small, Duodenum	(48)	(43)	(44)	(44)	(47)	(45)
Autolysis	8 [3.0]	2 [3.0]	2 [3.0]	18 [3.3]	2 [2.5]	1 [3.0]
Infiltration Cellular, Lymphocytic		1 [3.0]				
Lymphoid Tiss, Hyperplasia				1 [3.0]		1 [3.0]
Intestine Small, Ileum	(48)	(44)	(46)	(44)	(47)	(45)
Autolysis	8 [3.0]	2 [3.0]	3 [3.3]	18 [3.3]	2 [2.5]	1 [3.0]
Intussusception						
Lymphoid Tiss, Hyperplasia	1 [3.0]	4 [2.3]	4 [2.8]		2 [2.0]	1 [2.0]
Intestine Small, Jejunum	(48)	(44)	(46)	(44)	(47)	(45)
Angiectasis						
Autolysis	8 [3.0]	2 [3.0]	3 [3.3]	18 [3.3]	2 [2.5]	1 [3.0]
Lymphoid Tiss, Hyperplasia		1 [3.0]	1 [2.0]		1 [2.0]	1 [2.0]
Liver	(48)	(47)	(47)	(47)	(47)	(47)
Accessory Spleen					1	
Angiectasis		3	10	24	2	5
Autolysis				2 [3.5]	3 [2.7]	1 [3.0]
Basophilic Focus	1	1	1		2	
Caudate Lobe, Infarct					1	
Centrilobular, Necrosis	1 [2.0]	2 [2.0]		2 [3.0]		
Centrilobular, Pigmentation						
Clear Cell Focus	1	2				
Clear Cell Focus, Multiple				1		

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Experiment Number: 00602-05

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Mouse/B6C3F1/NCTR

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

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/18/2014

Time Report Requested: 00:06:03

First Dose M/F: NA / NA

Lab: NCTR

B6C3F1/NCTR Mouse FEMALE	0% ETH/ 0PPM URE	0% ETH/ 10PPMURE	0% ETH/ 30PPMURE	0% ETH/ 90PPMURE	2.5%ETH/0PPM URE	2.5%ETH/10PPMUR E
Degeneration, Cystic		1 [1.0]				
Eosinophilic Focus	2	8	5		2	10
Eosinophilic Focus, Multiple	1	6	27	20		10
Fatty Change						
Fatty Change, Focal						1 [1.0]
Fibrosis						1 [2.0]
Granuloma, Focal	4 [1.0]	1 [1.0]			2 [1.0]	
Hematopoietic Cell Proliferation	7 [1.6]	6 [1.8]	20 [2.0]	19 [2.7]	3 [1.7]	16 [1.9]
Hematopoietic Cell Proliferation Granulocytic		1 [3.0]				
Hepatocyte, Necrosis	2 [2.5]					1 [2.0]
Hepatocyte, Vacuolization Cytoplasmic	7 [2.0]	10 [2.3]	4 [1.8]	5 [3.6]	11 [2.0]	8 [1.9]
Hepatodiaphragmatic Nodule						
Infiltration Cellular, Lymphocytic	12 [1.1]	16 [1.3]	10 [1.6]	1 [2.0]	15 [1.3]	12 [1.3]
Inflammation						1 [2.0]
Inflammation, Chronic						
Inflammation, Chronic Active	1 [2.0]	2 [2.0]	1 [3.0]		2 [1.5]	1 [3.0]
Inflammation, Granulomatous					1 [4.0]	
Kupffer Cell, Hyperplasia		1 [3.0]	1 [2.0]			1 [2.0]
Leukocytosis						
Median Lobe, Infarct						
Mixed Cell Focus		5	1			1
Mixed Cell Focus, Multiple		1		1		5
Necrosis	1 [2.0]	2 [2.5]	5 [2.0]	11 [2.5]	5 [1.4]	2 [1.0]
Oval Cell, Hyperplasia	1 [2.0]		1 [3.0]			
Pigmentation				1 [2.0]		1 [2.0]
Regeneration			1	2		
Thrombosis		1	1	11	1	
Mesentery	(3)	(4)	(7)	(6)	(2)	(5)

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Experiment Number: 00602-05

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Mouse/B6C3F1/NCTR

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

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/18/2014

Time Report Requested: 00:06:03

First Dose M/F: NA / NA

Lab: NCTR

B6C3F1/NCTR Mouse FEMALE	0% ETH/ 0PPM URE	0% ETH/ 10PPMURE	0% ETH/ 30PPMURE	0% ETH/ 90PPMURE	2.5%ETH/0PPM URE	2.5%ETH/10PPMURE
Fat, Inflammation				1 [2.0]		
Fat, Necrosis	3	4	6	3	2	3
Fibrosis						
Pancreas	(48)	(43)	(47)	(44)	(47)	(45)
Acinar Cell, Atrophy	1 [3.0]	1 [1.0]	2 [2.5]			
Acinar Cell, Vacuolization Cytoplasmic			1 [2.0]			
Angiectasis					1 [2.0]	
Autolysis			1 [3.0]	9 [3.2]		
Cyst					1	
Duct, Cyst						1
Hemorrhage						
Infiltration Cellular, Lymphocytic	12 [1.1]	15 [1.0]	11 [1.2]	3 [1.0]	14 [1.1]	18 [1.1]
Inflammation, Chronic						1 [3.0]
Necrosis		1 [2.0]				
Salivary Glands	(48)	(48)	(48)	(47)	(47)	(47)
Atrophy		1 [2.0]		3 [2.0]		
Autolysis				1 [4.0]		
Fibrosis						1 [1.0]
Hemorrhage				1 [2.0]		
Infiltration Cellular, Lymphocytic	37 [1.5]	42 [1.4]	37 [1.4]	19 [1.3]	43 [1.3]	38 [1.4]
Inflammation						
Parenchym Cell, Hypertrophy						
Stomach	(0)	(0)	(0)	(0)	(0)	(0)
Stomach, Forestomach	(48)	(46)	(46)	(46)	(47)	(46)
Autolysis	1 [3.0]		1 [3.0]	9 [3.4]	1 [2.0]	1 [3.0]
Cyst Epithelial Inclusion		1				
Epithelium, Hyperplasia	6 [2.3]	11 [2.2]	10 [2.3]	9 [2.4]	4 [2.8]	4 [2.5]
Foreign Body			2			
Hyperkeratosis	2 [1.0]		2 [2.0]	1 [2.0]		

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Experiment Number: 00602-05

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Species/Strain: Mouse/B6C3F1/NCTR

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Date Report Requested: 10/18/2014

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Lab: NCTR

B6C3F1/NCTR Mouse FEMALE	0% ETH/ 0PPM URE	0% ETH/ 10PPMURE	0% ETH/ 30PPMURE	0% ETH/ 90PPMURE	2.5%ETH/0PPM URE	2.5%ETH/10PPMURE
Infiltration Cellular, Lymphocytic		1 [2.0]		1 [1.0]		1 [2.0]
Inflammation	1 [2.0]	2 [2.0]	7 [2.1]	2 [2.0]	1 [2.0]	1 [2.0]
Ulcer	1 [2.0]	1 [2.0]	1 [2.0]		1 [2.0]	1 [1.0]
Stomach, Glandular	(47)	(46)	(46)	(47)	(47)	(46)
Autolysis	1 [3.0]		1 [3.0]	9 [3.4]	1 [2.0]	1 [3.0]
Cyst						
Diverticulum			1			
Epithelium, Hyperplasia			1 [1.0]			
Epithelium, Hypertrophy				1 [2.0]		
Infiltration Cellular, Lymphocytic				1 [1.0]		1 [2.0]
Inflammation						
Metaplasia, Squamous						
Mineralization				1 [1.0]		
Thrombosis				1 [1.0]		
Tongue	(48)	(48)	(48)	(46)	(47)	(47)
Polyarteritis				1 [2.0]	1 [2.0]	
CARDIOVASCULAR SYSTEM						
Blood Vessel	(47)	(47)	(48)	(46)	(47)	(47)
Infiltration Cellular, Lymphocytic				1 [1.0]		
Inflammation						
Mineralization		1 [1.0]				
Heart	(48)	(48)	(48)	(48)	(47)	(47)
Abscess						1
Angiectasis				1 [2.0]		
Artery, Hypertrophy					1 [1.0]	
Artery, Inflammation				1 [2.0]		
Atrium, Inflammation						
Atrium, Thrombosis				2 [3.0]		1 [3.0]

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Route: DOSED WATER

Species/Strain: Mouse/B6C3F1/NCTR

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Date Report Requested: 10/18/2014

Time Report Requested: 00:06:04

First Dose M/F: NA / NA

Lab: NCTR

B6C3F1/NCTR Mouse FEMALE	0% ETH/ 0PPM URE	0% ETH/ 10PPMURE	0% ETH/ 30PPMURE	0% ETH/ 90PPMURE	2.5%ETH/0PPM URE	2.5%ETH/10PPMUR E
Av Valve, Inflammation				1 [2.0]		
Cardiomyopathy	2 [1.5]	2 [1.0]	5 [1.8]	4 [1.8]	2 [1.0]	4 [1.3]
Embolus Tumor						
Endothelium, Hyperplasia	1 [2.0]		3 [1.7]	6 [1.5]		
Epicardium, Inflammation, Chronic					1 [2.0]	
Mineralization		1 [1.0]	1 [1.0]	4 [2.3]		1 [1.0]
Myocardium, Inflammation			1 [1.0]	2 [2.0]		
Myocardium, Inflammation, Chronic				1 [1.0]		
Myocardium, Thrombosis			1 [2.0]			
Necrosis				2 [2.0]		
ENDOCRINE SYSTEM						
Adrenal Gland	(0)	(0)	(0)	(1)	(0)	(0)
Parenchym Cell, Hyperplasia				1 [2.0]		
Adrenal Gland, Cortex	(48)	(45)	(45)	(47)	(46)	(47)
Accessory Adrenal Cortical Nodule	1					
Angiectasis	1 [1.0]	1 [2.0]		1 [2.0]	1 [3.0]	1 [2.0]
Atrophy			1 [2.0]	1 [3.0]		
Autolysis				4 [3.5]		
Cyst						1
Hematopoietic Cell Proliferation		1 [3.0]	1 [2.0]	2 [1.0]		
Hemorrhage						
Hypertrophy	1 [3.0]					
Infarct						1 [2.0]
Infiltration Cellular, Lymphocytic			1 [1.0]	3 [1.0]		
Inflammation						
Inflammation, Acute			1 [1.0]			
Pigmentation						
Subcapsular, Hyperplasia	45 [1.9]	36 [1.8]	33 [1.9]	29 [1.9]	42 [1.7]	37 [1.8]

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Experiment Number: 00602-05

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Mouse/B6C3F1/NCTR

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

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/18/2014

Time Report Requested: 00:06:04

First Dose M/F: NA / NA

Lab: NCTR

B6C3F1/NCTR Mouse FEMALE	0% ETH/ 0PPM URE	0% ETH/ 10PPMURE	0% ETH/ 30PPMURE	0% ETH/ 90PPMURE	2.5%ETH/0PPM URE	2.5%ETH/10PPMUR E
Thrombosis		1 [3.0]			1 [3.0]	
Vacuolization Cytoplasmic						
Adrenal Gland, Medulla	(47)	(42)	(43)	(47)	(45)	(47)
Angiectasis				1 [2.0]		
Autolysis				4 [3.5]		
Hemorrhage						
Hyperplasia	1 [2.0]	1 [3.0]	2 [2.0]			1 [1.0]
Islets, Pancreatic	(48)	(43)	(47)	(44)	(47)	(45)
Autolysis			1 [3.0]	7 [3.6]		
Hyperplasia	2 [1.0]	6 [1.5]	5 [1.2]	4 [1.0]	7 [1.1]	2 [2.0]
Infiltration Cellular, Lymphocytic		1 [1.0]	1 [1.0]		2 [1.0]	2 [1.0]
Inflammation						1 [1.0]
Parathyroid Gland	(32)	(38)	(31)	(40)	(34)	(37)
Autolysis				2 [3.5]		
Cyst						
Infiltration Cellular, Lymphocytic		1 [2.0]				
Inflammation	1 [2.0]					
Pituitary Gland	(42)	(42)	(40)	(39)	(44)	(41)
Angiectasis	3 [2.0]	5 [1.8]			1 [1.0]	1 [3.0]
Cyst						2
Hemorrhage						
Pars Distalis, Hyperplasia	5 [1.2]	1 [2.0]	3 [1.7]		1 [2.0]	2 [2.0]
Thyroid Gland	(47)	(47)	(47)	(45)	(46)	(47)
Autolysis				4 [3.3]		
C Cell, Hyperplasia	1 [1.0]		1 [1.0]		1 [1.0]	
Cyst						
Cyst Multilocular			3		2	
Depletion Secretory						
Follicular Cel, Hyperplasia	1 [2.0]			1 [1.0]	1 [1.0]	

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Experiment Number: 00602-05

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Mouse/B6C3F1/NCTR

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

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/18/2014

Time Report Requested: 00:06:04

First Dose M/F: NA / NA

Lab: NCTR

B6C3F1/NCTR Mouse FEMALE	0% ETH/ 0PPM URE	0% ETH/ 10PPMURE	0% ETH/ 30PPMURE	0% ETH/ 90PPMURE	2.5%ETH/0PPM URE	2.5%ETH/10PPMUR E
Infiltration Cellular, Lymphocytic	2 [1.0]			1 [1.0]	1 [1.0]	2 [1.5]
Infiltration Cellular, Polymorphnuclr			1 [1.0]			
Inflammation				1 [1.0]		
GENERAL BODY SYSTEM						
Tissue NOS	(1)	(1)	(1)	(4)	(0)	(1)
Abdominal, Cyst						
Abdominal, Fat, Necrosis						
Abdominal, Inflammation						
GENITAL SYSTEM						
Clitoral Gland	(43)	(41)	(43)	(37)	(40)	(40)
Atrophy	39 [2.2]	39 [2.0]	40 [2.0]	32 [2.1]	37 [2.0]	38 [2.1]
Autolysis			1 [3.0]			
Dilatation						
Infiltration Cellular, Lymphocytic						
Pigmentation						1
Ovary	(48)	(46)	(46)	(39)	(47)	(46)
Angiectasis	2 [2.0]	2 [1.0]	6 [2.5]	6 [2.5]		2 [2.5]
Atrophy	42 [2.6]	40 [3.8]	37 [3.8]	30 [3.7]	45 [3.1]	40 [3.8]
Autolysis	1 [4.0]			2 [3.5]		
Congestion						
Cyst	10	11	12	2	14	12
Hematocyst	9	4	3	2	6	6
Hemorrhage			1 [3.0]			1 [4.0]
Hyperplasia, Tubular			3 [2.0]	4 [1.8]		1 [3.0]
Infiltration Cellular, Histiocytic		1 [3.0]		1 [4.0]		1 [3.0]
Infiltration Cellular, Lymphocytic		1 [1.0]				
Inflammation	1 [3.0]					
Metaplasia, Osseous					1 [2.0]	

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Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Mouse/B6C3F1/NCTR

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

Test Compound: Urethane + ethanol (combination)

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First Dose M/F: NA / NA

Lab: NCTR

B6C3F1/NCTR Mouse FEMALE	0% ETH/ 0PPM URE	0% ETH/ 10PPMURE	0% ETH/ 30PPMURE	0% ETH/ 90PPMURE	2.5%ETH/0PPM URE	2.5%ETH/10PPMUR E
Mineralization				2 [2.5]		1 [3.0]
Periovarn Tiss, Cyst	2			1	1	
Periovarn Tiss, Infiltration Cellular, Lymphocytic						
Periovarn Tiss, Inflammation						
Periovarn Tiss, Thrombosis				1 [4.0]		
Pigmentation		1 [3.0]				1 [3.0]
Polyarteritis						
Thrombosis			4 [3.3]	1 [4.0]		2 [4.0]
Uterus	(48)	(47)	(48)	(46)	(47)	(47)
Amyloid Deposition		1 [3.0]				
Angiectasis		4 [2.3]	6 [3.0]	7 [3.1]	1 [2.0]	2 [2.0]
Atrophy						
Autolysis				1 [3.0]		
Cervix, Hemorrhage						
Dilatation	2 [2.0]					
Endometrium, Hyperplasia, Cystic Hemorrhage	45 [2.3]	39 [2.3]	34 [2.1]	28 [2.2]	42 [2.4]	40 [2.2]
Infiltration Cellular, Histiocytic		1 [1.0]	1 [2.0]	2 [4.0]		
Infiltration Cellular, Polymorphnuclr		1 [2.0]				
Inflammation		1 [3.0]	2 [2.5]			1 [3.0]
Inflammation, Suppurative						
Mineralization			1 [2.0]			
Pigmentation			1 [3.0]			
Thrombosis		1 [4.0]	4 [3.3]	4 [3.8]		
Vacuolization Cytoplasmic	1 [1.0]					
Vagina	(48)	(47)	(46)	(43)	(47)	(47)
Autolysis				1 [4.0]		
Exudate		2 [1.0]			2 [2.0]	2 [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: 00602-05

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Mouse/B6C3F1/NCTR

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

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/18/2014

Time Report Requested: 00:06:04

First Dose M/F: NA / NA

Lab: NCTR

B6C3F1/NCTR Mouse FEMALE	0% ETH/ 0PPM URE	0% ETH/ 10PPMURE	0% ETH/ 30PPMURE	0% ETH/ 90PPMURE	2.5%ETH/0PPM URE	2.5%ETH/10PPMUR E
Hemorrhage						
Inflammation	1 [2.0]	1 [2.0]			1 [2.0]	1 [2.0]
Polyarteritis						
HEMATOPOIETIC SYSTEM						
Bone Marrow	(48)	(47)	(46)	(47)	(47)	(46)
Angiectasis				2 [2.5]		
Autolysis				4 [3.8]		
Infiltration Cellular, Histiocytic						
Myeloid Cell, Hyperplasia	8 [2.3]	4 [2.3]	5 [2.6]	7 [2.3]		2 [2.5]
Pigmentation			1 [1.0]		1 [2.0]	
Lymph Node	(6)	(4)	(9)	(12)	(1)	(8)
Hematocyst						
Lumbar, Autolysis				1 [3.0]		
Lumbar, Hematopoietic Cell Proliferation						
Lumbar, Hemorrhage			1 [2.0]		1 [2.0]	
Lumbar, Hyperplasia				1 [2.0]	1 [2.0]	
Lumbar, Infiltration Cellular, Histiocytic				1 [3.0]		
Lumbar, Infiltration Cellular, Plasma Cell						
Lumbar, Infiltration Cellular, Polymorphnuclr						
Lumbar, Inflammation			1 [2.0]			
Mediastinal, Hyperplasia			1 [3.0]			
Pigmentation						
Renal, Hematopoietic Cell Proliferation						
Renal, Hyperplasia			1 [2.0]	1 [2.0]		1 [2.0]
Renal, Infiltration Cellular, Polymorphnuclr		1 [3.0]				
Thoracic, Autolysis						
Thoracic, Hyperplasia						
Lymph Node, Mandibular	(45)	(47)	(45)	(42)	(47)	(44)

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: 00602-05

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Mouse/B6C3F1/NCTR

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

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/18/2014

Time Report Requested: 00:06:05

First Dose M/F: NA / NA

Lab: NCTR

B6C3F1/NCTR Mouse FEMALE	0% ETH/ 0PPM URE	0% ETH/ 10PPMURE	0% ETH/ 30PPMURE	0% ETH/ 90PPMURE	2.5%ETH/0PPM URE	2.5%ETH/10PPMUR E
Atrophy	1 [2.0]			1 [1.0]		
Autolysis				3 [4.0]		
Hematopoietic Cell Proliferation		1 [3.0]				
Hemorrhage	1 [4.0]			3 [1.7]	1 [2.0]	
Hyperplasia	1 [2.0]	5 [2.2]	4 [2.5]	2 [2.0]	4 [1.8]	5 [3.0]
Hyperplasia, Plasma Cell		1 [3.0]				
Infiltration Cellular, Histiocytic	1 [2.0]			2 [2.0]		
Infiltration Cellular, Plasma Cell						
Inflammation						
Lymph Node, Mesenteric	(47)	(45)	(42)	(39)	(43)	(42)
Angiectasis	1 [3.0]		2 [2.0]	1 [2.0]	1 [1.0]	1 [2.0]
Atrophy	1 [2.0]			3 [2.0]		
Autolysis	1 [3.0]			1 [3.0]		
Cyst		1				
Hematopoietic Cell Proliferation	1 [2.0]			2 [2.0]		
Hemorrhage	1 [3.0]		1 [2.0]	1 [2.0]		
Hyperplasia	2 [2.0]	4 [3.0]	1 [2.0]	1 [2.0]	5 [2.2]	2 [3.5]
Infiltration Cellular, Histiocytic			1 [2.0]	1 [3.0]		
Infiltration Cellular, Polymorphnuclr		1 [4.0]				
Inflammation, Granulomatous					1 [3.0]	
Pigmentation						
Spleen	(48)	(45)	(47)	(46)	(47)	(46)
Angiectasis		1 [2.0]		1 [3.0]	2 [2.5]	1 [3.0]
Autolysis				7 [3.4]		
Capsule, Inflammation						1 [2.0]
Hematopoietic Cell Proliferation	4 [2.5]	8 [2.5]	15 [2.9]	21 [3.0]	2 [2.5]	8 [2.6]
Hematopoietic Cell Proliferation Granulocytic						1 [3.0]
Hemorrhage						

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: 00602-05

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Mouse/B6C3F1/NCTR

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

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/18/2014

Time Report Requested: 00:06:05

First Dose M/F: NA / NA

Lab: NCTR

B6C3F1/NCTR Mouse FEMALE	0% ETH/ 0PPM URE	0% ETH/ 10PPMURE	0% ETH/ 30PPMURE	0% ETH/ 90PPMURE	2.5%ETH/0PPM URE	2.5%ETH/10PPMUR E
Infiltration Cellular, Histiocytic				1 [2.0]		
Lymph Follic, Hyperplasia	15 [2.1]	26 [2.2]	14 [2.1]	1 [3.0]	25 [2.3]	16 [2.4]
Pigmentation		1 [2.0]		1 [3.0]	3 [1.7]	1 [1.0]
Polyarteritis				1 [1.0]		
Red Pulp, Atrophy						
Thrombosis				1 [3.0]		
Thymus	(40)	(37)	(32)	(38)	(41)	(40)
Atrophy	9 [2.3]	3 [2.0]	5 [2.0]	9 [2.1]	2 [2.0]	6 [2.0]
Autolysis	2 [3.0]			3 [3.3]		
Cyst						
Hemorrhage						
Hyperplasia	3 [2.7]	4 [2.0]	3 [1.7]		4 [1.8]	6 [2.0]
INTEGUMENTARY SYSTEM						
Mammary Gland	(47)	(46)	(46)	(48)	(47)	(45)
Autolysis			1 [3.0]			
Duct, Ectasia	2 [2.5]		1 [2.0]		1 [3.0]	
Hyperplasia	2 [1.5]	3 [2.3]		1 [2.0]	2 [2.0]	
Infiltration Cellular, Lymphocytic		1 [1.0]	1 [1.0]	1 [1.0]		
Lactation	3 [1.3]	3 [2.3]	2 [2.0]		3 [1.7]	2 [1.5]
Skin	(48)	(48)	(46)	(48)	(47)	(47)
Autolysis			1 [3.0]	1 [4.0]		
Cyst Epithelial Inclusion						
Fat, Necrosis						
Fibrosis		1 [3.0]				
Hemorrhage				1 [2.0]		
Inflammation	1 [4.0]			2 [3.0]		
Inflammation, Chronic						
Neovascularization				1 [3.0]		

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Experiment Number: 00602-05

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Mouse/B6C3F1/NCTR

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

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/18/2014

Time Report Requested: 00:06:05

First Dose M/F: NA / NA

Lab: NCTR

B6C3F1/NCTR Mouse FEMALE	0% ETH/ 0PPM URE	0% ETH/ 10PPMURE	0% ETH/ 30PPMURE	0% ETH/ 90PPMURE	2.5%ETH/0PPM URE	2.5%ETH/10PPMUR E
Sebacous GI, Distended						
Thrombosis				1		
Ulcer		1 [2.0]	1			
MUSCULOSKELETAL SYSTEM						
Bone	(48)	(48)	(48)	(48)	(46)	(47)
Cartilage, Sternum, Degeneration	1 [2.0]			1 [2.0]		
Femur, Angiectasis		1 [3.0]				
Femur, Fibrous Osteodystrophy	9 [1.7]	8 [1.9]	5 [2.0]	3 [2.3]	7 [1.9]	5 [1.4]
Sternum, Angiectasis		1 [3.0]				
Sternum, Autolysis						
Sternum, Fibrous Osteodystrophy	30 [1.8]	22 [2.1]	22 [2.1]	6 [1.8]	19 [1.6]	20 [1.5]
Skeletal Muscle	(48)	(48)	(48)	(48)	(47)	(47)
Autolysis				1 [3.0]		
Degeneration						
Diaphragm, Hyperplasia		1				
Infiltration Cellular, Lymphocytic						
Mineralization						
NERVOUS SYSTEM						
Brain	(0)	(0)	(0)	(0)	(0)	(0)
Brain, Brain Stem	(0)	(0)	(0)	(0)	(0)	(0)
Hemorrhage						
Brain, Cerebellum	(48)	(48)	(48)	(48)	(47)	(46)
Abscess						
Autolysis				1 [3.0]		
Hemorrhage						1 [2.0]
Meninges, Inflammation, Chronic Active		1 [2.0]				
Thalamus, Mineralization	1 [1.0]					
Brain, Cerebrum	(48)	(48)	(48)	(48)	(47)	(47)

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

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Experiment Number: 00602-05

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Mouse/B6C3F1/NCTR

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

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/18/2014

Time Report Requested: 00:06:05

First Dose M/F: NA / NA

Lab: NCTR

B6C3F1/NCTR Mouse FEMALE	0% ETH/ 0PPM URE	0% ETH/ 10PPMURE	0% ETH/ 30PPMURE	0% ETH/ 90PPMURE	2.5%ETH/0PPM URE	2.5%ETH/10PPMUR E
Autolysis				1 [3.0]		
Granuloma				2 [1.0]		
Hemorrhage			1 [1.0]	2 [1.5]		
Hypothalamus, Compression	1 [3.0]					
Inflammation						
Meninges, Inflammation						
Meninges, Inflammation, Chronic Active		1 [2.0]				
Necrosis				1 [2.0]		
Perivascular, Infiltration Cellular, Lymphocytic						
Thalamus, Mineralization	21 [1.1]	26 [1.0]	26 [1.1]	26 [1.1]	29 [1.0]	29 [1.0]
Peripheral Nerve	(48)	(47)	(48)	(48)	(47)	(46)
Autolysis				1 [3.0]		
Spinal Cord	(0)	(0)	(0)	(0)	(0)	(0)
Spinal Cord, Thoracic	(48)	(48)	(48)	(48)	(47)	(47)
Autolysis				2 [3.5]		
Hemorrhage			1 [1.0]			
RESPIRATORY SYSTEM						
Larynx	(48)	(46)	(46)	(45)	(47)	(46)
Autolysis				2 [3.5]		
Hemorrhage						
Inflammation						
Lung	(48)	(48)	(48)	(47)	(47)	(47)
Alveolar Epith, Hyperplasia		2 [1.5]	4 [1.8]	7 [2.0]	1 [2.0]	
Alveolus, Exudate						
Arteriole, Hypertrophy						
Autolysis					3 [2.3]	
Congestion				1 [3.0]		3 [3.0]

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Experiment Number: 00602-05

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Mouse/B6C3F1/NCTR

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

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/18/2014

Time Report Requested: 00:06:05

First Dose M/F: NA / NA

Lab: NCTR

B6C3F1/NCTR Mouse FEMALE	0% ETH/ 0PPM URE	0% ETH/ 10PPMURE	0% ETH/ 30PPMURE	0% ETH/ 90PPMURE	2.5%ETH/0PPM URE	2.5%ETH/10PPMUR E
Crystals						1 [2.0]
Hemorrhage	2 [1.0]	5 [1.2]	9 [1.2]	2 [3.0]	7 [1.6]	12 [1.5]
Infiltration Cellular, Histiocytic		2 [2.0]	6 [2.3]	6 [2.8]	1 [3.0]	1 [2.0]
Infiltration Cellular, Lymphocytic	34 [1.3]	28 [1.4]	18 [1.5]	11 [1.5]	24 [1.3]	26 [1.2]
Inflammation, Chronic Active	1 [2.0]		1 [1.0]			1 [1.0]
Inflammation, Suppurative						
Leukocytosis						
Pigmentation					1 [2.0]	
Nose	(48)	(48)	(48)	(46)	(47)	(47)
Autolysis				2 [3.0]		
Fibrous Osteodystrophy	8 [1.3]					
Hemorrhage						
Inflammation	1 [4.0]					
Trachea	(48)	(47)	(47)	(46)	(47)	(47)
Autolysis				2 [3.5]		
Glands, Ectasia						
SPECIAL SENSES SYSTEM						
Ear	(0)	(0)	(0)	(0)	(0)	(0)
Eye	(48)	(47)	(46)	(48)	(47)	(45)
Atrophy			1 [2.0]	2 [3.0]		
Autolysis	1 [3.0]	1 [3.0]		1 [4.0]		
Bilateral, Phthisis Bulbi				1		
Cornea, Inflammation		3 [2.0]	6 [2.0]	10 [2.1]	1 [1.0]	3 [2.0]
Hemorrhage						
Infiltration Cellular, Lymphocytic						
Lens, Cataract			1 [1.0]	1 [2.0]		
Phthisis Bulbi		1	2	3	1	
Harderian Gland	(48)	(48)	(48)	(48)	(47)	(47)

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Experiment Number: 00602-05

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Mouse/B6C3F1/NCTR

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

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/18/2014

Time Report Requested: 00:06:06

First Dose M/F: NA / NA

Lab: NCTR

B6C3F1/NCTR Mouse FEMALE	0% ETH/ 0PPM URE	0% ETH/ 10PPMURE	0% ETH/ 30PPMURE	0% ETH/ 90PPMURE	2.5%ETH/0PPM URE	2.5%ETH/10PPMUR E
Atrophy						1 [2.0]
Autolysis				1 [4.0]		
Dilatation			1 [2.0]			
Hyperplasia					2 [2.0]	
Infiltration Cellular, Lymphocytic	18 [1.1]	11 [1.3]	8 [1.0]	4 [1.5]	10 [1.1]	10 [1.0]
Inflammation						1 [2.0]
Inflammation, Chronic						
Necrosis						1 [4.0]
Lacrimal Gland	(45)	(47)	(43)	(40)	(45)	(45)
Atrophy		4 [1.0]	2 [1.5]		4 [1.0]	4 [1.3]
Autolysis				1 [4.0]		
Cyst	1					1
Duct, Dilatation		2 [1.0]	1 [1.0]		1 [1.0]	4 [1.0]
Hemorrhage				1 [3.0]		
Infiltration Cellular, Lymphocytic	26 [1.3]	32 [1.6]	20 [1.3]	16 [1.2]	25 [1.2]	28 [1.4]
Inflammation						
Parenchym Cell, Hypertrophy	1 [1.0]					
Vacuolization Cytoplasmic			1 [1.0]			
Zymbal's Gland	(46)	(43)	(46)	(46)	(46)	(43)
Atrophy				1 [1.0]		
Autolysis				1 [3.0]		
Hyperplasia			1 [2.0]			
Infiltration Cellular, Lymphocytic						1 [1.0]
Inflammation, Chronic						1 [1.0]
URINARY SYSTEM						
Kidney	(48)	(48)	(48)	(48)	(47)	(47)
Accumulation, Hyaline Droplet		1 [3.0]	1 [2.0]	2 [3.0]		1 [3.0]
Amyloid Deposition			1 [4.0]		1 [3.0]	

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

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Experiment Number: 00602-05

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Mouse/B6C3F1/NCTR

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

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/18/2014

Time Report Requested: 00:06:06

First Dose M/F: NA / NA

Lab: NCTR

B6C3F1/NCTR Mouse FEMALE	0% ETH/ 0PPM URE	0% ETH/ 10PPMURE	0% ETH/ 30PPMURE	0% ETH/ 90PPMURE	2.5%ETH/0PPM URE	2.5%ETH/10PPMUR E
Autolysis	1 [2.0]	1 [3.0]	1 [3.0]	4 [3.3]	2 [2.0]	
Casts	1 [2.0]			2 [1.0]		
Congestion			1 [2.0]			
Cyst	1					
Embolus Bacterial						1 [3.0]
Glomerulosclerosis			1 [2.0]	2 [1.5]	2 [1.5]	
Hematopoietic Cell Proliferation						
Hydronephrosis		2 [2.5]		1 [3.0]		
Infarct	3 [1.0]			1 [1.0]		1 [3.0]
Infiltration Cellular, Lymphocytic	16 [1.3]	20 [1.6]	15 [1.2]	16 [1.2]	18 [1.2]	14 [1.1]
Infiltration Cellular, Plasma Cell						
Infiltration Cellular, Polymorphnuclr			1 [2.0]			
Inflammation						1 [1.0]
Metaplasia, Osseous	1 [1.0]		1 [1.0]	1 [1.0]	1 [1.0]	
Mineralization		1 [1.0]	1 [1.0]	2 [1.5]		
Nephropathy						1 [2.0]
Papilla, Necrosis						
Polyarteritis				1		
Regeneration						
Renal Tubule, Atrophy				1 [1.0]		
Renal Tubule, Degeneration, Focal	1 [1.0]					
Renal Tubule, Pigmentation			1 [3.0]			
Urinary Bladder	(48)	(46)	(45)	(41)	(45)	(43)
Autolysis	3 [3.0]	2 [3.0]	1 [3.0]	1 [4.0]		
Distended	1					
Fibrosis						
Infiltration Cellular, Lymphocytic	25 [1.3]	28 [1.3]	23 [1.1]	13 [1.5]	29 [1.1]	21 [1.2]
Polyarteritis						
Ulcer						

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: 00602-05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Mouse/B6C3F1/NCTR

**P18: INCIDENCE RATES OF NON-NEOPLASTIC LESIONS BY ANATOMIC SITE (a) WITH
AVERAGE SEVERITY GRADES[b]**
Test Compound: Urethane + ethanol (combination)
CAS Number: URETHCOMB

Date Report Requested: 10/18/2014
Time Report Requested: 00:06:06
First Dose M/F: NA / NA
Lab: NCTR

B6C3F1/NCTR Mouse FEMALE

**0% ETH/ 0PPM URE 0% ETH/ 10PPMURE 0% ETH/ 30PPMURE 0% ETH/ 90PPMURE 2.5%ETH/0PPM URE 2.5%ETH/10PPMUR
E**

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: 00602-05

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Mouse/B6C3F1/NCTR

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

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/18/2014

Time Report Requested: 00:06:06

First Dose M/F: NA / NA

Lab: NCTR

B6C3F1/NCTR Mouse FEMALE	2.5%ETH/30PPMUR E	2.5%ETH/90PPMUR E	5.0%ETH/0PPM URE	5.0%ETH/10PPMUR E	5.0%ETH/30PPMUR E	5.0%ETH/90PPMUR E
Disposition Summary						
Animals Initially In Study	48	48	48	48	48	48
Early Deaths						
Drowned			4	2		
Moribund	11	7	2	1	3	8
Natural Death	16	25	5	8	13	26
Survivors						
Moribund		2	4	3	1	3
Natural Death	2	6	2	2	4	7
Terminal Sacrifice	19	8	31	32	27	4
Animals Examined Microscopically	48	48	48	48	48	48
ALIMENTARY SYSTEM						
Esophagus	(47)	(47)	(47)	(48)	(47)	(46)
Autolysis	1 [4.0]			1 [3.0]		
Gallbladder	(46)	(43)	(47)	(44)	(47)	(45)
Autolysis	2 [3.0]	4 [3.3]	2 [3.0]	1 [3.0]	2 [2.5]	4 [3.3]
Epithelium, Cytoplasmic Alteration						
Infiltration Cellular, Lymphocytic	1 [2.0]		1 [1.0]	1 [1.0]		
Inflammation, Chronic Active						
Intestine Large	(0)	(0)	(1)	(0)	(6)	(0)
Inflammation			1 [2.0]			
Intestine Large, Cecum	(47)	(41)	(47)	(44)	(42)	(42)
Autolysis	3 [3.3]	10 [3.2]	3 [3.3]	2 [3.5]	5 [3.0]	4 [3.0]
Lymphoid Tiss, Hyperplasia	1 [1.0]					
Intestine Large, Colon	(47)	(42)	(47)	(45)	(41)	(42)
Autolysis	3 [3.3]	9 [3.1]	3 [3.3]	2 [3.5]	4 [3.0]	4 [3.0]
Inflammation, Chronic						
Inflammation, Chronic Active	1 [4.0]					

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: 00602-05

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Mouse/B6C3F1/NCTR

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

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/18/2014

Time Report Requested: 00:06:06

First Dose M/F: NA / NA

Lab: NCTR

B6C3F1/NCTR Mouse FEMALE	2.5%ETH/30PPMUR E	2.5%ETH/90PPMUR E	5.0%ETH/0PPM URE	5.0%ETH/10PPMUR E	5.0%ETH/30PPMUR E	5.0%ETH/90PPMUR E
Lymphoid Tiss, Hyperplasia	1 [1.0]					
Intestine Large, Rectum	(47)	(46)	(48)	(47)	(39)	(44)
Autolysis	2 [3.5]	7 [2.9]	3 [3.3]	3 [3.3]	3 [3.0]	3 [3.0]
Inflammation					1 [2.0]	
Polyarteritis				1 [3.0]		
Intestine Small	(0)	(0)	(0)	(0)	(6)	(0)
Intussusception						
Intestine Small, Duodenum	(47)	(39)	(47)	(44)	(38)	(40)
Autolysis	4 [3.3]	8 [3.3]	5 [3.2]	2 [3.5]	5 [3.0]	5 [3.0]
Infiltration Cellular, Lymphocytic						
Lymphoid Tiss, Hyperplasia						
Intestine Small, Ileum	(47)	(40)	(47)	(44)	(41)	(40)
Autolysis	4 [3.3]	9 [3.2]	5 [3.2]	2 [3.5]	6 [3.0]	6 [3.0]
Intussusception				1		
Lymphoid Tiss, Hyperplasia	1 [2.0]				2 [2.5]	
Intestine Small, Jejunum	(47)	(39)	(47)	(44)	(40)	(40)
Angiectasis		1 [1.0]				
Autolysis	3 [3.3]	8 [3.3]	5 [3.2]	2 [3.5]	6 [3.0]	6 [3.0]
Lymphoid Tiss, Hyperplasia	1 [4.0]			2 [3.0]	1 [2.0]	1 [2.0]
Liver	(47)	(46)	(48)	(47)	(48)	(48)
Accessory Spleen						
Angiectasis	7	20	2	1	5	22
Autolysis	1 [4.0]		1 [3.0]	1 [4.0]	2 [3.0]	1 [3.0]
Basophilic Focus			1			
Caudate Lobe, Infarct	1				1	
Centrilobular, Necrosis				1 [2.0]		2 [2.5]
Centrilobular, Pigmentation					1 [3.0]	
Clear Cell Focus	1					
Clear Cell Focus, Multiple	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: 00602-05

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Mouse/B6C3F1/NCTR

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

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/18/2014

Time Report Requested: 00:06:07

First Dose M/F: NA / NA

Lab: NCTR

B6C3F1/NCTR Mouse FEMALE	2.5%ETH/30PPMUR E	2.5%ETH/90PPMUR E	5.0%ETH/0PPM URE	5.0%ETH/10PPMUR E	5.0%ETH/30PPMUR E	5.0%ETH/90PPMUR E
Degeneration, Cystic						
Eosinophilic Focus	1	6	2	12	4	1
Eosinophilic Focus, Multiple	20	22		14	21	20
Fatty Change		1 [3.0]				
Fatty Change, Focal						
Fibrosis						
Granuloma, Focal	2 [1.5]		2 [1.0]	1 [1.0]		
Hematopoietic Cell Proliferation	13 [2.5]	26 [2.3]	3 [2.3]	11 [1.9]	18 [2.1]	27 [2.6]
Hematopoietic Cell Proliferation Granulocytic						
Hepatocyte, Necrosis	1 [3.0]					
Hepatocyte, Vacuolization Cytoplasmic	7 [2.4]	5 [3.0]		7 [1.9]	10 [2.3]	3 [2.3]
Hepatodiaphragmatic Nodule			1			
Infiltration Cellular, Lymphocytic	5 [1.4]	3 [1.7]	14 [1.4]	8 [1.4]	4 [1.8]	4 [1.5]
Inflammation					1 [2.0]	
Inflammation, Chronic				1 [2.0]		
Inflammation, Chronic Active		1 [3.0]				1 [2.0]
Inflammation, Granulomatous						
Kupffer Cell, Hyperplasia				1 [3.0]		
Leukocytosis						1 [3.0]
Median Lobe, Infarct		1				
Mixed Cell Focus			1	1		
Mixed Cell Focus, Multiple	5	3		4	9	2
Necrosis	4 [2.0]	18 [2.3]		1 [1.0]	3 [1.7]	15 [2.3]
Oval Cell, Hyperplasia						
Pigmentation			1 [2.0]			
Regeneration		2				3
Thrombosis	4	9			1	8
Mesentery	(6)	(6)	(3)	(3)	(5)	(4)

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: 00602-05

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Mouse/B6C3F1/NCTR

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

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/18/2014

Time Report Requested: 00:06:07

First Dose M/F: NA / NA

Lab: NCTR

B6C3F1/NCTR Mouse FEMALE	2.5%ETH/30PPMUR E	2.5%ETH/90PPMUR E	5.0%ETH/0PPM URE	5.0%ETH/10PPMUR E	5.0%ETH/30PPMUR E	5.0%ETH/90PPMUR E
Fat, Inflammation						
Fat, Necrosis	5	4	2	3	5	3
Fibrosis			1 [2.0]			
Pancreas	(46)	(44)	(47)	(45)	(48)	(44)
Acinar Cell, Atrophy	1 [3.0]		1 [1.0]		1 [4.0]	1 [1.0]
Acinar Cell, Vacuolization Cytoplasmic						
Angiectasis	2 [1.5]					
Autolysis	2 [3.0]	6 [3.0]	2 [3.0]	1 [3.0]	1 [3.0]	3 [3.0]
Cyst						
Duct, Cyst						
Hemorrhage	1 [2.0]					
Infiltration Cellular, Lymphocytic	8 [1.1]	2 [1.0]	11 [1.1]	9 [1.1]	7 [1.1]	6 [1.5]
Inflammation, Chronic						
Necrosis						
Salivary Glands	(46)	(48)	(48)	(47)	(48)	(47)
Atrophy						
Autolysis						
Fibrosis						
Hemorrhage						
Infiltration Cellular, Lymphocytic	33 [1.5]	32 [1.4]	33 [1.5]	39 [1.4]	37 [1.3]	39 [1.3]
Inflammation	1 [2.0]					
Parenchym Cell, Hypertrophy						1 [1.0]
Stomach	(0)	(0)	(0)	(0)	(7)	(0)
Stomach, Forestomach	(47)	(46)	(48)	(47)	(41)	(45)
Autolysis	2 [3.5]	5 [2.8]	2 [3.5]	2 [3.5]	1 [3.0]	2 [3.0]
Cyst Epithelial Inclusion						
Epithelium, Hyperplasia	8 [2.1]	9 [2.1]	4 [2.5]	2 [3.5]	10 [2.4]	7 [2.0]
Foreign Body	2			1	2	
Hyperkeratosis		2 [2.0]		1 [2.0]	2 [2.0]	5 [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: 00602-05

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Mouse/B6C3F1/NCTR

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

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/18/2014

Time Report Requested: 00:06:07

First Dose M/F: NA / NA

Lab: NCTR

B6C3F1/NCTR Mouse FEMALE	2.5%ETH/30PPMUR E	2.5%ETH/90PPMUR E	5.0%ETH/0PPM URE	5.0%ETH/10PPMUR E	5.0%ETH/30PPMUR E	5.0%ETH/90PPMUR E
Infiltration Cellular, Lymphocytic Inflammation	2 [2.0]	2 [1.5]	2 [2.0]	2 [1.5]		
Ulcer					1 [3.0]	1 [2.0]
Stomach, Glandular	(47)	(45)	(48)	(46)	(40)	(45)
Autolysis	2 [3.5]	5 [2.8]	2 [3.5]	2 [3.5]	1 [3.0]	2 [3.0]
Cyst					1	
Diverticulum						
Epithelium, Hyperplasia						
Epithelium, Hypertrophy						
Infiltration Cellular, Lymphocytic Inflammation	1 [1.0] 1 [2.0]					
Metaplasia, Squamous						1 [2.0]
Mineralization		1 [1.0]	1 [1.0]		1 [1.0]	2 [1.5]
Thrombosis						
Tongue	(48)	(48)	(47)	(48)	(48)	(46)
Polyarteritis						
CARDIOVASCULAR SYSTEM						
Blood Vessel	(48)	(48)	(47)	(48)	(46)	(45)
Infiltration Cellular, Lymphocytic Inflammation						1 [1.0]
Mineralization			1 [3.0]			
Heart	(48)	(48)	(47)	(48)	(48)	(47)
Abscess						
Angiectasis	1 [1.0]	4 [1.5]			3 [1.7]	4 [1.8]
Artery, Hypertrophy						
Artery, Inflammation						
Atrium, Inflammation	1 [3.0]					
Atrium, Thrombosis	1 [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: 00602-05

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Mouse/B6C3F1/NCTR

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

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/18/2014

Time Report Requested: 00:06:07

First Dose M/F: NA / NA

Lab: NCTR

B6C3F1/NCTR Mouse FEMALE	2.5%ETH/30PPMUR E	2.5%ETH/90PPMUR E	5.0%ETH/0PPM URE	5.0%ETH/10PPMUR E	5.0%ETH/30PPMUR E	5.0%ETH/90PPMUR E
Av Valve, Inflammation						
Cardiomyopathy	3 [1.7]	2 [1.5]			6 [1.7]	2 [2.0]
Embolus Tumor					1	
Endothelium, Hyperplasia	3 [1.0]	8 [1.6]		1 [3.0]	3 [1.3]	14 [1.8]
Epicardium, Inflammation, Chronic		1 [1.0]			1 [2.0]	2 [1.0]
Mineralization	2 [1.0]		2 [1.0]	1 [1.0]	2 [2.0]	2 [1.5]
Myocardium, Inflammation	2 [2.0]	1 [1.0]			1 [1.0]	
Myocardium, Inflammation, Chronic						
Myocardium, Thrombosis	1 [1.0]				1 [2.0]	1 [2.0]
Necrosis	1 [2.0]					
ENDOCRINE SYSTEM						
Adrenal Gland	(0)	(1)	(0)	(0)	(2)	(0)
Parenchym Cell, Hyperplasia						
Adrenal Gland, Cortex	(46)	(44)	(46)	(46)	(45)	(46)
Accessory Adrenal Cortical Nodule						1
Angiectasis	4 [2.3]	2 [2.5]	1 [1.0]		1 [2.0]	
Atrophy	1 [3.0]					
Autolysis				1 [3.0]		1 [3.0]
Cyst		1				
Hematopoietic Cell Proliferation	1 [2.0]	1 [1.0]				2 [1.5]
Hemorrhage						1 [2.0]
Hypertrophy						
Infarct						
Infiltration Cellular, Lymphocytic		1 [1.0]				3 [1.0]
Inflammation	1 [2.0]					
Inflammation, Acute						1 [1.0]
Pigmentation						1 [1.0]
Subcapsular, Hyperplasia	35 [2.0]	30 [1.9]	36 [1.8]	33 [2.0]	37 [2.0]	33 [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: 00602-05

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Mouse/B6C3F1/NCTR

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

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/18/2014

Time Report Requested: 00:06:07

First Dose M/F: NA / NA

Lab: NCTR

B6C3F1/NCTR Mouse FEMALE	2.5%ETH/30PPMUR E	2.5%ETH/90PPMUR E	5.0%ETH/0PPM URE	5.0%ETH/10PPMUR E	5.0%ETH/30PPMUR E	5.0%ETH/90PPMUR E
Thrombosis						
Vacuolization Cytoplasmic			1 [1.0]			
Adrenal Gland, Medulla	(45)	(41)	(44)	(44)	(38)	(46)
Angiectasis						
Autolysis				1 [3.0]		1 [3.0]
Hemorrhage						1 [2.0]
Hyperplasia	1 [2.0]		1 [2.0]	2 [1.5]		
Islets, Pancreatic	(46)	(44)	(47)	(45)	(48)	(44)
Autolysis	2 [3.0]	4 [3.0]	2 [3.0]	1 [3.0]	1 [3.0]	2 [3.0]
Hyperplasia	3 [1.0]	4 [1.0]	8 [1.4]	2 [1.5]	5 [1.6]	4 [2.0]
Infiltration Cellular, Lymphocytic			1 [1.0]			
Inflammation						
Parathyroid Gland	(37)	(31)	(35)	(41)	(41)	(36)
Autolysis	1 [4.0]			1 [3.0]		
Cyst		1			1	
Infiltration Cellular, Lymphocytic					1 [2.0]	
Inflammation						
Pituitary Gland	(41)	(38)	(40)	(41)	(40)	(38)
Angiectasis	2 [2.0]		2 [2.5]	1 [2.0]	1 [1.0]	1 [2.0]
Cyst						
Hemorrhage		1 [2.0]				
Pars Distalis, Hyperplasia	3 [2.0]	1 [2.0]	1 [3.0]	3 [1.7]	1 [1.0]	1 [2.0]
Thyroid Gland	(45)	(46)	(45)	(48)	(45)	(46)
Autolysis	1 [4.0]			1 [3.0]		1 [4.0]
C Cell, Hyperplasia	1 [1.0]				1 [1.0]	
Cyst						1 [1.0]
Cyst Multilocular	1	1			1	
Depletion Secretory		1				
Follicular Cel, Hyperplasia						

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: 00602-05

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Mouse/B6C3F1/NCTR

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

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/18/2014

Time Report Requested: 00:06:07

First Dose M/F: NA / NA

Lab: NCTR

B6C3F1/NCTR Mouse FEMALE	2.5%ETH/30PPMUR E	2.5%ETH/90PPMUR E	5.0%ETH/0PPM URE	5.0%ETH/10PPMUR E	5.0%ETH/30PPMUR E	5.0%ETH/90PPMUR E
Infiltration Cellular, Lymphocytic Infiltration Cellular, Polymorphnucl Inflammation	1 [1.0]	1 [1.0]		1 [1.0]	1 [1.0]	
GENERAL BODY SYSTEM						
Tissue NOS	(1)	(0)	(0)	(1)	(0)	(2)
Abdominal, Cyst	1					
Abdominal, Fat, Necrosis						1 [3.0]
Abdominal, Inflammation	1 [3.0]					
GENITAL SYSTEM						
Clitoral Gland	(34)	(40)	(38)	(41)	(41)	(35)
Atrophy	30 [1.9]	37 [2.0]	31 [2.0]	36 [2.0]	37 [2.1]	29 [1.9]
Autolysis		1 [3.0]				
Dilatation					1 [2.0]	
Infiltration Cellular, Lymphocytic Pigmentation			1 [2.0]			
Ovary	(47)	(48)	(46)	(47)	(46)	(45)
Angiectasis	4 [2.3]	6 [2.5]		4 [2.0]	4 [2.5]	6 [2.2]
Atrophy	37 [3.8]	42 [3.8]	33 [3.0]	39 [3.8]	37 [4.0]	36 [3.8]
Autolysis						
Congestion				1 [1.0]		
Cyst	7	4	12	12	7	6
Hematocyst		2	6	1		
Hemorrhage	2 [2.0]				1 [4.0]	
Hyperplasia, Tubular		5 [2.2]			1 [3.0]	4 [2.8]
Infiltration Cellular, Histiocytic	1 [3.0]		1 [3.0]	1 [3.0]		
Infiltration Cellular, Lymphocytic Inflammation			1 [2.0]		1 [2.0]	
Metaplasia, Osseous						

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: 00602-05

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Mouse/B6C3F1/NCTR

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

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/18/2014

Time Report Requested: 00:06:08

First Dose M/F: NA / NA

Lab: NCTR

B6C3F1/NCTR Mouse FEMALE	2.5%ETH/30PPMUR E	2.5%ETH/90PPMUR E	5.0%ETH/0PPM URE	5.0%ETH/10PPMUR E	5.0%ETH/30PPMUR E	5.0%ETH/90PPMUR E
Mineralization	1 [3.0]		2 [2.0]	1 [3.0]	1 [3.0]	
Periovarn Tiss, Cyst		1				2
Periovarn Tiss, Infiltration Cellular, Lymphocytic	1 [3.0]			1 [3.0]		
Periovarn Tiss, Inflammation						1 [4.0]
Periovarn Tiss, Thrombosis						
Pigmentation	1 [3.0]		2 [2.5]	1 [3.0]		
Polyarteritis				1 [3.0]		
Thrombosis			1 [4.0]	1 [4.0]	3 [3.3]	3 [3.3]
Uterus	(48)	(48)	(48)	(48)	(47)	(45)
Amyloid Deposition						
Angiectasis	7 [2.9]	9 [2.6]	4 [3.3]	2 [4.0]	8 [2.3]	6 [2.8]
Atrophy	1 [2.0]					
Autolysis	1 [4.0]					
Cervix, Hemorrhage	1 [3.0]					
Dilatation						
Endometrium, Hyperplasia, Cystic	38 [2.2]	33 [2.0]	36 [2.5]	38 [2.2]	35 [2.2]	31 [2.3]
Hemorrhage	3 [2.7]	1 [3.0]			2 [3.0]	
Infiltration Cellular, Histiocytic						
Infiltration Cellular, Polymorphnuclr						
Inflammation						
Inflammation, Suppurative		1 [4.0]				
Mineralization						
Pigmentation						
Thrombosis	5 [2.8]	6 [3.3]	1 [4.0]	2 [4.0]	2 [3.0]	4 [3.3]
Vacuolization Cytoplasmic						
Vagina	(47)	(47)	(48)	(48)	(46)	(44)
Autolysis						
Exudate		1 [2.0]		1 [2.0]	1 [3.0]	

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

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Experiment Number: 00602-05

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Mouse/B6C3F1/NCTR

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

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/18/2014

Time Report Requested: 00:06:08

First Dose M/F: NA / NA

Lab: NCTR

B6C3F1/NCTR Mouse FEMALE	2.5%ETH/30PPMUR E	2.5%ETH/90PPMUR E	5.0%ETH/0PPM URE	5.0%ETH/10PPMUR E	5.0%ETH/30PPMUR E	5.0%ETH/90PPMUR E
Hemorrhage		1 [3.0]				
Inflammation					1 [2.0]	
Polyarteritis				1 [3.0]		
HEMATOPOIETIC SYSTEM						
Bone Marrow	(48)	(48)	(48)	(46)	(48)	(47)
Angiectasis		2 [2.0]				
Autolysis	1 [4.0]	1 [3.0]				3 [3.0]
Infiltration Cellular, Histiocytic	1 [2.0]					
Myeloid Cell, Hyperplasia	3 [2.7]	6 [2.2]	1 [3.0]	2 [2.0]	5 [2.2]	12 [2.8]
Pigmentation						
Lymph Node	(11)	(11)	(3)	(4)	(16)	(7)
Hematocyst			1 [2.0]			
Lumbar, Autolysis						
Lumbar, Hematopoietic Cell Proliferation						1 [3.0]
Lumbar, Hemorrhage	1 [3.0]	1 [3.0]			1 [3.0]	
Lumbar, Hyperplasia	2 [2.5]	2 [2.5]		1 [3.0]		
Lumbar, Infiltration Cellular, Histiocytic					1 [2.0]	
Lumbar, Infiltration Cellular, Plasma Cell	1 [3.0]					
Lumbar, Infiltration Cellular, Polymorphnuclr	1 [3.0]	1 [3.0]				
Lumbar, Inflammation					1 [2.0]	
Mediastinal, Hyperplasia						
Pigmentation			1 [3.0]			
Renal, Hematopoietic Cell Proliferation						1 [4.0]
Renal, Hyperplasia		1 [3.0]				1 [2.0]
Renal, Infiltration Cellular, Polymorphnuclr						
Thoracic, Autolysis	1 [4.0]					
Thoracic, Hyperplasia	2 [3.0]					
Lymph Node, Mandibular	(43)	(46)	(48)	(46)	(38)	(47)

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: 00602-05

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Mouse/B6C3F1/NCTR

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

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/18/2014

Time Report Requested: 00:06:08

First Dose M/F: NA / NA

Lab: NCTR

B6C3F1/NCTR Mouse FEMALE	2.5%ETH/30PPMUR E	2.5%ETH/90PPMUR E	5.0%ETH/0PPM URE	5.0%ETH/10PPMUR E	5.0%ETH/30PPMUR E	5.0%ETH/90PPMUR E
Atrophy						
Autolysis						1 [3.0]
Hematopoietic Cell Proliferation						
Hemorrhage	1 [2.0]					
Hyperplasia	4 [2.3]	6 [2.3]	5 [2.0]	3 [2.3]	4 [2.0]	6 [2.3]
Hyperplasia, Plasma Cell						
Infiltration Cellular, Histiocytic		2 [1.5]				3 [1.0]
Infiltration Cellular, Plasma Cell		1 [3.0]				
Inflammation	1 [2.0]					
Lymph Node, Mesenteric	(42)	(38)	(45)	(42)	(43)	(38)
Angiectasis	1 [2.0]	2 [2.0]	1 [3.0]	1 [3.0]		1 [2.0]
Atrophy	1 [2.0]	1 [2.0]				1 [3.0]
Autolysis	1 [4.0]	2 [3.5]	2 [3.0]	1 [3.0]		2 [3.0]
Cyst						
Hematopoietic Cell Proliferation		1 [2.0]				2 [2.5]
Hemorrhage	1 [2.0]	2 [3.0]	1 [3.0]			1 [2.0]
Hyperplasia	1 [2.0]		2 [2.0]	3 [2.0]	4 [2.8]	4 [2.3]
Infiltration Cellular, Histiocytic			1 [1.0]			
Infiltration Cellular, Polymorphnuclr		1 [2.0]				1 [3.0]
Inflammation, Granulomatous						
Pigmentation	1 [2.0]					
Spleen	(46)	(46)	(48)	(47)	(48)	(45)
Angiectasis		2 [2.0]			1 [2.0]	1 [2.0]
Autolysis	1 [3.0]	4 [3.0]		2 [3.0]	1 [3.0]	2 [3.0]
Capsule, Inflammation						
Hematopoietic Cell Proliferation	15 [2.6]	25 [2.8]	3 [3.0]	10 [2.3]	9 [2.8]	29 [3.1]
Hematopoietic Cell Proliferation Granulocytic						
Hemorrhage		1 [2.0]			1 [3.0]	

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: 00602-05

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Mouse/B6C3F1/NCTR

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

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/18/2014

Time Report Requested: 00:06:08

First Dose M/F: NA / NA

Lab: NCTR

B6C3F1/NCTR Mouse FEMALE	2.5%ETH/30PPMUR E	2.5%ETH/90PPMUR E	5.0%ETH/0PPM URE	5.0%ETH/10PPMUR E	5.0%ETH/30PPMUR E	5.0%ETH/90PPMUR E
Infiltration Cellular, Histiocytic						
Lymph Follic, Hyperplasia	12 [2.3]	5 [2.2]	23 [2.3]	19 [2.5]	13 [2.2]	5 [2.4]
Pigmentation	1 [2.0]	1 [2.0]			1 [3.0]	
Polyarteritis						
Red Pulp, Atrophy	1 [2.0]					
Thrombosis		1 [4.0]	1 [3.0]			1 [2.0]
Thymus	(34)	(36)	(39)	(38)	(43)	(39)
Atrophy	9 [1.9]	15 [2.1]	3 [2.0]	10 [2.2]	8 [2.1]	14 [1.9]
Autolysis	2 [3.5]	2 [3.0]	1 [3.0]	1 [3.0]		3 [3.0]
Cyst				1 [1.0]		
Hemorrhage				1 [2.0]		
Hyperplasia	3 [2.0]	2 [2.0]	4 [2.0]	3 [2.0]	3 [2.0]	1 [2.0]
INTEGUMENTARY SYSTEM						
Mammary Gland	(48)	(47)	(47)	(48)	(48)	(45)
Autolysis	1 [4.0]		1 [4.0]	1 [3.0]		
Duct, Ectasia	1 [2.0]					
Hyperplasia	2 [1.5]	2 [1.5]	4 [2.3]	3 [2.0]	2 [2.0]	2 [2.0]
Infiltration Cellular, Lymphocytic		1 [1.0]				2 [1.5]
Lactation	6 [1.3]	3 [1.0]	4 [1.8]		4 [1.5]	1 [1.0]
Skin	(48)	(47)	(48)	(48)	(48)	(47)
Autolysis	1 [4.0]		1 [4.0]	1 [3.0]		2 [4.0]
Cyst Epithelial Inclusion		1				
Fat, Necrosis					1	
Fibrosis						
Hemorrhage						
Inflammation		1 [2.0]				
Inflammation, Chronic					1 [3.0]	
Neovascularization						

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: 00602-05

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Mouse/B6C3F1/NCTR

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

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/18/2014

Time Report Requested: 00:06:08

First Dose M/F: NA / NA

Lab: NCTR

B6C3F1/NCTR Mouse FEMALE	2.5%ETH/30PPMUR E	2.5%ETH/90PPMUR E	5.0%ETH/0PPM URE	5.0%ETH/10PPMUR E	5.0%ETH/30PPMUR E	5.0%ETH/90PPMUR E
Sebacous GI, Distended					1	
Thrombosis						
Ulcer	1 [3.0]					
MUSCULOSKELETAL SYSTEM						
Bone	(48)	(48)	(48)	(48)	(48)	(47)
Cartilage, Sternum, Degeneration						
Femur, Angiectasis						
Femur, Fibrous Osteodystrophy	3 [2.3]	1 [2.0]	1 [2.0]	7 [1.6]	3 [2.3]	
Sternum, Angiectasis						
Sternum, Autolysis	1 [4.0]					
Sternum, Fibrous Osteodystrophy	15 [1.7]	4 [1.3]	15 [1.7]	18 [1.4]	12 [1.6]	3 [1.3]
Skeletal Muscle	(48)	(48)	(48)	(48)	(48)	(47)
Autolysis						
Degeneration		1 [3.0]		1 [1.0]		
Diaphragm, Hyperplasia						
Infiltration Cellular, Lymphocytic					1 [2.0]	1 [1.0]
Mineralization		1 [3.0]				
NERVOUS SYSTEM						
Brain	(0)	(0)	(0)	(0)	(4)	(0)
Brain, Brain Stem	(0)	(0)	(0)	(0)	(1)	(0)
Hemorrhage					1 [1.0]	
Brain, Cerebellum	(47)	(48)	(48)	(48)	(40)	(47)
Abscess		1 [3.0]				
Autolysis	1 [3.0]					
Hemorrhage				1 [1.0]	2 [1.5]	1 [2.0]
Meninges, Inflammation, Chronic Active						
Thalamus, Mineralization						
Brain, Cerebrum	(47)	(48)	(48)	(48)	(44)	(47)

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: 00602-05

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Mouse/B6C3F1/NCTR

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

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/18/2014

Time Report Requested: 00:06:08

First Dose M/F: NA / NA

Lab: NCTR

B6C3F1/NCTR Mouse FEMALE	2.5%ETH/30PPMUR E	2.5%ETH/90PPMUR E	5.0%ETH/0PPM URE	5.0%ETH/10PPMUR E	5.0%ETH/30PPMUR E	5.0%ETH/90PPMUR E
Autolysis	1 [3.0]					
Granuloma						
Hemorrhage	1 [3.0]			1 [1.0]	2 [1.5]	2 [1.5]
Hypothalamus, Compression						
Inflammation						1 [2.0]
Meninges, Inflammation					1 [3.0]	
Meninges, Inflammation, Chronic Active						
Necrosis						1 [2.0]
Perivascular, Infiltration Cellular, Lymphocytic					1 [1.0]	
Thalamus, Mineralization	23 [1.0]	18 [1.1]	29 [1.0]	28 [1.1]	26 [1.0]	28 [1.1]
Peripheral Nerve	(48)	(48)	(48)	(48)	(48)	(47)
Autolysis						
Spinal Cord	(0)	(0)	(0)	(0)	(8)	(0)
Spinal Cord, Thoracic	(47)	(48)	(48)	(48)	(40)	(47)
Autolysis	1 [3.0]					
Hemorrhage		1 [2.0]		1 [1.0]		1 [2.0]
RESPIRATORY SYSTEM						
Larynx	(47)	(46)	(45)	(47)	(47)	(47)
Autolysis	1 [4.0]			1 [3.0]		
Hemorrhage	1 [2.0]					
Inflammation	1 [2.0]					
Lung	(48)	(48)	(48)	(48)	(48)	(48)
Alveolar Epith, Hyperplasia	5 [1.4]	3 [1.7]		4 [1.5]	3 [1.3]	6 [2.0]
Alveolus, Exudate		1 [2.0]				
Arteriole, Hypertrophy			1 [2.0]			
Autolysis						
Congestion						

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Experiment Number: 00602-05

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Mouse/B6C3F1/NCTR

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

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/18/2014

Time Report Requested: 00:06:09

First Dose M/F: NA / NA

Lab: NCTR

B6C3F1/NCTR Mouse FEMALE	2.5%ETH/30PPMUR E	2.5%ETH/90PPMUR E	5.0%ETH/0PPM URE	5.0%ETH/10PPMUR E	5.0%ETH/30PPMUR E	5.0%ETH/90PPMUR E
Crystals						
Hemorrhage	2 [1.5]	1 [2.0]	3 [1.0]	6 [1.3]	4 [2.0]	4 [1.8]
Infiltration Cellular, Histiocytic	2 [2.0]	9 [2.3]	1 [2.0]	3 [2.7]	5 [2.2]	6 [2.7]
Infiltration Cellular, Lymphocytic	25 [1.3]	16 [1.4]	27 [1.3]	22 [1.5]	19 [1.3]	21 [1.2]
Inflammation, Chronic Active				1 [1.0]		
Inflammation, Suppurative	1 [3.0]					
Leukocytosis						2 [3.5]
Pigmentation						
Nose	(48)	(48)	(47)	(48)	(48)	(47)
Autolysis						
Fibrous Osteodystrophy						
Hemorrhage	1 [3.0]					
Inflammation		1 [3.0]				
Trachea	(46)	(47)	(47)	(48)	(47)	(45)
Autolysis	1 [4.0]			1 [3.0]		
Glands, Ectasia						1 [2.0]
SPECIAL SENSES SYSTEM						
Ear	(0)	(0)	(0)	(0)	(1)	(0)
Eye	(48)	(46)	(48)	(48)	(47)	(45)
Atrophy		3 [2.3]				5 [3.2]
Autolysis			2 [3.0]			1 [3.0]
Bilateral, Phthisis Bulbi						
Cornea, Inflammation	4 [2.0]	8 [2.3]	2 [2.5]	6 [1.7]	3 [1.7]	4 [3.3]
Hemorrhage	1 [3.0]					
Infiltration Cellular, Lymphocytic	1 [2.0]					
Lens, Cataract		3 [1.7]		1 [3.0]	1 [3.0]	1 [3.0]
Phthisis Bulbi		1			1	1
Harderian Gland	(46)	(47)	(48)	(48)	(46)	(46)

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Experiment Number: 00602-05

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Mouse/B6C3F1/NCTR

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

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/18/2014

Time Report Requested: 00:06:09

First Dose M/F: NA / NA

Lab: NCTR

B6C3F1/NCTR Mouse FEMALE	2.5%ETH/30PPMUR E	2.5%ETH/90PPMUR E	5.0%ETH/0PPM URE	5.0%ETH/10PPMUR E	5.0%ETH/30PPMUR E	5.0%ETH/90PPMUR E
Atrophy						
Autolysis						1 [3.0]
Dilatation						
Hyperplasia	1 [2.0]	2 [1.0]				3 [2.3]
Infiltration Cellular, Lymphocytic	9 [1.1]	1 [1.0]	7 [1.0]	3 [1.0]	8 [1.0]	3 [1.0]
Inflammation		1 [3.0]			1 [3.0]	
Inflammation, Chronic						1 [3.0]
Necrosis						
Lacrimal Gland	(44)	(43)	(45)	(45)	(45)	(43)
Atrophy	3 [1.3]	2 [1.5]	3 [1.7]	6 [1.3]	2 [1.5]	
Autolysis						
Cyst						
Duct, Dilatation	1 [1.0]	1 [1.0]	3 [1.7]	2 [1.0]	1 [1.0]	
Hemorrhage						
Infiltration Cellular, Lymphocytic	27 [1.5]	20 [1.3]	25 [1.4]	25 [1.4]	25 [1.4]	26 [1.1]
Inflammation	1 [2.0]					
Parenchym Cell, Hypertrophy						
Vacuolization Cytoplasmic						
Zymbal's Gland	(41)	(44)	(48)	(46)	(43)	(40)
Atrophy					1 [1.0]	
Autolysis						
Hyperplasia						
Infiltration Cellular, Lymphocytic						1 [1.0]
Inflammation, Chronic						
URINARY SYSTEM						
Kidney	(48)	(48)	(48)	(48)	(48)	(47)
Accumulation, Hyaline Droplet		1 [3.0]	1 [3.0]	2 [2.5]	3 [3.0]	3 [2.7]
Amyloid Deposition		1 [3.0]				1 [3.0]

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Experiment Number: 00602-05

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Mouse/B6C3F1/NCTR

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

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/18/2014

Time Report Requested: 00:06:09

First Dose M/F: NA / NA

Lab: NCTR

B6C3F1/NCTR Mouse FEMALE	2.5%ETH/30PPMUR E	2.5%ETH/90PPMUR E	5.0%ETH/0PPM URE	5.0%ETH/10PPMUR E	5.0%ETH/30PPMUR E	5.0%ETH/90PPMUR E
Autolysis	2 [4.0]			2 [3.5]	1 [3.0]	
Casts					1 [1.0]	1 [2.0]
Congestion						
Cyst				1		
Embolus Bacterial						
Glomerulosclerosis	2 [1.5]	3 [2.0]	1 [2.0]	1 [2.0]	1 [1.0]	2 [2.0]
Hematopoietic Cell Proliferation						1 [2.0]
Hydronephrosis		2 [2.0]	1 [3.0]			
Infarct	1 [1.0]		3 [1.3]			
Infiltration Cellular, Lymphocytic	20 [1.2]	11 [1.3]	19 [1.3]	21 [1.0]	18 [1.1]	24 [1.3]
Infiltration Cellular, Plasma Cell	1 [2.0]	1 [3.0]				
Infiltration Cellular, Polymorphnucl						
Inflammation						
Metaplasia, Osseous		1 [1.0]	1 [1.0]			
Mineralization		1 [2.0]	1 [2.0]		1 [1.0]	2 [1.0]
Nephropathy		1 [2.0]		1 [3.0]	1 [2.0]	
Papilla, Necrosis					1 [1.0]	
Polyarteritis						
Regeneration		1 [1.0]				
Renal Tubule, Atrophy						
Renal Tubule, Degeneration, Focal						
Renal Tubule, Pigmentation				1 [3.0]		
Urinary Bladder	(47)	(45)	(46)	(46)	(47)	(45)
Autolysis	1 [4.0]	3 [3.0]	2 [3.0]	3 [3.0]		4 [3.5]
Distended						
Fibrosis						1 [3.0]
Infiltration Cellular, Lymphocytic	27 [1.1]	19 [1.2]	25 [1.2]	22 [1.3]	23 [1.5]	17 [1.1]
Polyarteritis				1 [3.0]		
Ulcer						1

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

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Experiment Number: 00602-05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Mouse/B6C3F1/NCTR

**P18: INCIDENCE RATES OF NON-NEOPLASTIC LESIONS BY ANATOMIC SITE (a) WITH
AVERAGE SEVERITY GRADES[b]**
Test Compound: Urethane + ethanol (combination)
CAS Number: URETHCOMB

Date Report Requested: 10/18/2014
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First Dose M/F: NA / NA
Lab: NCTR

B6C3F1/NCTR Mouse FEMALE

**2.5%ETH/30PPMUR
E**

**2.5%ETH/90PPMUR
E**

5.0%ETH/0PPM URE

**5.0%ETH/10PPMUR
E**

**5.0%ETH/30PPMUR
E**

**5.0%ETH/90PPMUR
E**

**** 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)