

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

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
Test Compound: Urethane + ethanol (combination)
CAS Number: URETHCOMB

Date Report Requested: 10/18/2014
Time Report Requested: 00:18:19
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	DAY ON TEST																											
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	1	1	3	3	3	5	5	5	5	5	6	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
	9	3	4	2	7	4	4	1	3	6	8	9	7	1	3	0	3	5	6	6	6	6	6	6	6	6	6	6
ANIMAL ID	8	0	4	0	6	2	1	5	6	2	4	9	7	2	9	8	9	7	6	6	4	4	4	4	4	4	4	4
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	1	1	1	2	2	2	2	3	4	4	4	4	4	5	5	5	5	6	6	7	7	7	8
	3	4	4	7	9	0	5	7	1	2	4	6	3	0	5	6	7	8	5	5	7	4	9	5	5	5	3	9
	8	2	4	4	8	3	1	2	1	1	1	8	4	5	3	1	3	4	6	7	6	5	8	4	5	6	7	2

Alimentary System

Esophagus	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Lymphoma Malignant															X													
Gallbladder	A	A	A	A	+	+	+	A	+	A	A	+	A	A	+	A	+	+	A	+	+	+	M	+	+	+	+	+
Intestine Large, Cecum	A	A	+	A	+	+	+	A	+	A	A	+	+	A	+	+	+	A	+	+	+	+	+	+	+	+	+	+
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	A	A	+	+	A	+	+	+	A	+	+	+	+	+	+	+	+	+	+
Intestine Large, Rectum	+	+	A	+	+	+	+	+	+	A	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Small, Duodenum	A	A	A	A	A	+	+	A	+	A	A	+	+	A	+	A	+	A	A	+	+	+	+	+	+	+	+	+
Intestine Small, Ileum	A	A	A	A	A	A	+	+	+	A	A	+	+	A	+	+	+	A	A	+	+	+	+	+	+	+	+	+
Intestine Small, Jejunum	A	A	A	A	+	+	+	+	+	A	A	+	+	A	+	+	+	A	A	+	+	+	+	+	+	+	+	+
Liver	+	+	+	+	+	+	+	+	+	A	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Hemangiosarcoma																												
Hepatocellular Adenoma								X												X					X		X	
Hepatocellular Adenoma, Multiple																												X
Hepatocellular Carcinoma														X					X					X		X		
Hepatocellular Carcinoma, Multiple																				X								
Histiocytic Sarcoma																												
Lymphoma Malignant															X													
Mesentery																											+	
Pancreas	+	+	+	+	+	+	+	+	+	A	A	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+
Histiocytic Sarcoma																												
Lymphoma Malignant															X													

* ..Total animals with tissue examined microscopically; Total animals with tumor

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	1	1	3	3	3	5	5	5	5	5	5	6	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
	9	3	4	2	7	4	4	1	3	6	8	9	7	1	3	0	3	5	6	6	6	6	6	6	6	6	6	6
ANIMAL ID	8	0	4	0	6	2	1	5	6	2	4	9	7	2	9	8	9	7	6	6	4	4	4	4	4	4	4	4
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	1	1	1	2	2	2	2	3	4	4	4	4	4	5	5	5	5	6	6	7	7	7	8
3	4	4	7	9	0	5	7	1	2	4	6	3	0	5	6	7	8	5	5	7	7	4	9	5	5	5	3	9
8	2	4	4	4	8	3	1	2	1	1	8	4	5	3	1	3	4	6	7	6	5	8	4	5	6	7	6	2
Salivary Glands	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Lymphoma Malignant																X										X		
Neoplasm Nos, Metastatic, Thymus											X																	
Sarcoma, Metastatic, Skin													X															
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	A	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Lymphoma Malignant																X												
Stomach, Glandular	+	+	A	A	A	+	+	+	+	A	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Lymphoma Malignant																X												
Tongue	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Lymphoma Malignant																X												
Cardiovascular System																												
Blood Vessel	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Heart	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Lymphoma Malignant																X												
Neoplasm Nos, Metastatic, Thymus											X																	
Endocrine System																												
Adrenal Gland, Cortex	+	+	M	+	+	+	+	+	+	A	A	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+
Adenoma																												
Subcapsular, Adenoma																											X	
Adrenal Gland, Medulla	+	+	M	+	+	+	+	+	+	A	A	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	A	A	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+
Parathyroid Gland	+	+	+	+	+	+	+	M	+	M	M	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+

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		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
		0	1	1	3	3	3	5	5	5	5	5	6	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	
		9	3	4	2	7	4	4	1	3	6	8	9	7	1	3	0	3	5	6	6	6	6	6	6	6	6	6	6	6	6	
ANIMAL ID		8	0	4	0	6	2	1	5	6	2	4	9	7	2	9	8	9	7	6	6	4	4	4	4	4	4	4	4	4	4	
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
		3	4	4	7	9	0	5	7	1	2	4	6	3	0	5	6	7	8	5	5	7	7	4	9	5	5	5	5	3	8	
		8	2	4	4	8	3	1	2	1	1	1	8	4	5	3	1	3	4	6	7	6	7	5	8	4	5	6	7	6	7	2
Pituitary Gland		+	M	A	A	+	M	+	+	M	+	M	M	+	+	M	+	+	M	+	+	+	+	+	+	+	+	+	M	M	M	+
Thyroid Gland		+	+	+	+	+	+	+	+	+	M	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Follicular Cel, Adenoma																																
Lymphoma Malignant																X																
General Body System																																
NONE																																
Genital System																																
Coagulating Gland		+	+	+	+	+	+	+	+	+	M	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Lymphoma Malignant																X																
Epididymis		+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Lymphoma Malignant																X																
Neoplasm Nos, Metastatic, Thymus											X																					
Preputial Gland		+	+	+	+	+	+	+	M	M	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Lymphoma Malignant																X																
Prostate		+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Lymphoma Malignant																X																
Neoplasm Nos, Metastatic, Thymus											X																					
Seminal Vesicle		+	+	+	+	+	+	+	+	+	M	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Lymphoma Malignant																X																
Testes		+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Hematopoietic System																																

Insufficient tissue

BLANK ..Not examined microscopically

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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	1	1	3	3	3	5	5	5	5	5	6	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
	9	3	4	2	7	4	4	1	3	6	8	9	7	1	3	0	3	5	6	6	6	6	6	6	6	6	6	6
ANIMAL ID	8	0	4	0	6	2	1	5	6	2	4	9	7	2	9	8	9	7	6	6	4	4	4	4	4	4	4	4
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	1	1	1	2	2	2	2	3	4	4	4	4	4	5	5	5	5	6	6	7	7	7	8
	3	4	4	7	9	0	5	7	1	2	4	6	3	0	5	6	7	8	5	5	7	7	4	9	5	5	5	3
	8	2	4	4	8	3	1	2	1	1	1	8	4	5	3	1	3	4	6	7	6	4	5	8	4	5	6	7
Bone Marrow	+	+	+	+	+	+	+	+	+	+	A	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Hemangiosarcoma																												
Histiocytic Sarcoma																												
Lymphoma Malignant																												
Lymph Node		+																										
Axillary, Sarcoma, Metastatic, Skin																												
Lymph Node, Mandibular	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+
Hemangiosarcoma																X												
Lymphoma Malignant															X											X		
Neoplasm Nos										X																		
Lymph Node, Mesenteric	M	+	+	A	+	+	+	+	+	+	A	+	+	+	+	+	M	+	+	+	+	+	M	+	+	+	+	+
Histiocytic Sarcoma																												
Lymphoma Malignant															X									X		X	X	
Neoplasm Nos, Metastatic, Thymus										X																		
Spleen	+	+	A	A	+	+	+	+	+	A	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Hemangiosarcoma																												
Histiocytic Sarcoma																												
Lymphoma Malignant															X									X		X	X	
Thymus	M	+	M	+	+	+	M	+	+	+	A	+	M	+	+	M	+	+	+	M	M	+	M	+	M	M	+	+
Lymphoma Malignant															X													M
Neoplasm Nos										X																		
Sarcoma, Metastatic, Uncertain Primary Site														X														

* ..Total animals with tissue examined microscopically; Total animals with tumor

+ ..Tissue examined microscopically

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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	1	1	3	3	3	5	5	5	5	5	5	6	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
	9	3	4	2	7	4	4	1	3	6	8	9	7	1	3	0	3	5	6	6	6	6	6	6	6	6	6	6
ANIMAL ID	8	0	4	0	6	2	1	5	6	2	4	9	7	2	9	8	9	7	6	6	4	4	4	4	4	4	4	4
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	1	1	1	2	2	2	2	3	4	4	4	4	4	5	5	5	5	6	6	7	7	7	8
	3	4	4	7	9	0	5	7	1	2	4	6	3	0	5	6	7	8	5	5	7	7	4	9	5	5	5	3
	8	2	4	4	8	3	1	2	1	1	1	8	4	5	3	1	3	4	6	7	6	5	8	4	5	6	7	2

Integumentary System

Mammary Gland	M	M	M	M	M	M	M	M	M	M	A	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M
Skin	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Fibroma, Multiple																												
Hemangiosarcoma																												
Histiocytic Sarcoma																												
Histiocytic Sarcoma, Multiple										X																		
Lymphoma Malignant															X													
Sarcoma										X		X	X				X		X					X			X	
Sarcoma, Multiple																												

Musculoskeletal System

Bone	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Sternum, Sarcoma, Metastatic, Uncertain Primary Site												X																
Skeletal Muscle	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Lymphoma Malignant																X												
Neoplasm Nos, Metastatic, Thymus										X																		
Rhabdomyosarcoma																X												

Nervous System

Brain, Cerebellum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Lymphoma Malignant																X												

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	0	1	1	3	3	3	5	5	5	5	5	5	6	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
	9	3	4	2	7	4	4	1	3	6	8	9	7	1	3	0	3	5	6	6	6	6	6	6	6	6	6	6
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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	1	1	1	2	2	2	2	3	4	4	4	4	5	5	5	5	6	6	7	7	7	8	8
	3	4	4	7	9	0	5	7	1	2	4	6	3	0	5	6	7	8	5	5	7	7	4	9	5	5	3	3
	8	2	4	4	8	3	1	2	1	1	1	8	4	5	3	1	3	4	6	7	6	5	8	4	5	6	7	2
Brain, Cerebrum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Lymphoma Malignant																												
Peripheral Nerve	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Spinal Cord, Thoracic	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Respiratory System																												
Larynx	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Lymphoma Malignant																												
Lung	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Alveolar/Bronchiolar Adenoma																												
Alveolar/Bronchiolar Adenoma, Multiple																												
Alveolar/Bronchiolar Carcinoma																												
Hepatocellular Carcinoma, Metastatic, Liver																												
Lymphoma Malignant																												
Neoplasm Nos																												
Neoplasm Nos, Metastatic, Thymus																												
Sarcoma, Metastatic, Skin																												
Nose	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Lymphoma Malignant																												
Trachea	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Lymphoma Malignant																												
Special Senses System																												
Eye	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+

* ..Total animals with tissue examined microscopically; Total animals with tumor

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

BLANK ..Not examined microscopically

Experiment Number: 00602-05

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Mouse/B6C3F1/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/18/2014

Time Report Requested: 00:18:21

First Dose M/F: NA / NA

Lab: NCTR

B6C3F1/NCTR Mouse Male 0% ETH/ 0PPM URE	DAY ON TEST																											
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	1	1	3	3	3	5	5	5	5	5	5	6	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
	9	3	4	2	7	4	4	1	3	6	8	9	7	1	3	0	3	5	6	6	6	6	6	6	6	6	6	6
ANIMAL ID	8	0	4	0	6	2	1	5	6	2	4	9	7	2	9	8	9	7	6	6	4	4	4	4	4	4	4	4
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	1	1	1	2	2	2	2	3	4	4	4	4	4	5	5	5	5	6	6	7	7	7	7
	3	4	4	7	9	0	5	7	1	2	4	6	3	0	5	6	7	8	5	5	7	7	4	9	5	5	5	3
	8	2	4	4	8	3	1	2	1	1	1	8	4	5	3	1	3	4	6	7	6	5	8	4	5	6	7	2
Lymphoma Malignant																												
Harderian Gland		+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Adenoma												X	X															
Lymphoma Malignant																												
Lacrimal Gland		+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Lymphoma Malignant																												
Zymbal's Gland		+	+	+	+	+	+	+	+	+	A	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+
Lymphoma Malignant																												
Urinary System																												
Kidney		+	+	+	+	+	+	+	+	+	A	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Lymphoma Malignant																												
Urinary Bladder		+	+	+	+	+	+	+	+	+	A	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Lymphoma Malignant																												
SYSTEMIC LESIONS																												
Multiple Organ		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Histiocytic Sarcoma												X																
Lymphoma Malignant																												

* ..Total animals with tissue examined microscopically; Total animals with tumor

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

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Experiment Number: 00602-05

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Mouse/B6C3F1/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/18/2014

Time Report Requested: 00:18:21

First Dose M/F: NA / NA

Lab: NCTR

B6C3F1/NCTR Mouse Male 0% ETH/ 0PPM URE	DAY ON TEST															
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ANIMAL ID	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
	6	6	6	5	5	6	6	6	6	6	6	6	6	6	6	6
	4	4	4	6	7	4	4	4	4	4	4	4	4	4	4	4
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1
	8	9	9	0	0	0	0	0	0	0	0	0	0	0	1	1
	9	5	5	0	0	0	1	1	1	5	6	6	7	7	7	7
	3	4	5	3	6	9	0	1	2	9	0	1	7	8	3	5
*TOTALS																

Alimentary System

Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	47
Lymphoma Malignant		X															2
Gallbladder	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	35
Intestine Large, Cecum	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	39
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	44
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	45
Intestine Small, Duodenum	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	35
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	37
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	39
Liver	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	46
Hemangiosarcoma										X							1
Hepatocellular Adenoma			X														5
Hepatocellular Adenoma, Multiple										X							2
Hepatocellular Carcinoma					X			X									6
Hepatocellular Carcinoma, Multiple																	1
Histiocytic Sarcoma				X													1
Lymphoma Malignant		X			X												3
Mesentery																	1
Pancreas	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	45
Histiocytic Sarcoma				X													1
Lymphoma Malignant		X															2

* ..Total animals with tissue examined microscopically; Total animals with tumor

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

BLANK ..Not examined microscopically

Experiment Number: 00602-05

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Mouse/B6C3F1/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/18/2014

Time Report Requested: 00:18:21

First Dose M/F: NA / NA

Lab: NCTR

B6C3F1/NCTR Mouse Male 0% ETH/ 0PPM URE	DAY ON TEST																	ANIMAL ID		
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7			
	6	6	6	5	5	6	6	6	6	6	6	6	6	6	6	6	6			
	4	4	4	6	7	4	4	4	4	4	4	4	4	4	4	4	4			
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1			
	8	9	9	0	0	0	0	0	0	0	0	0	0	0	0	1	1			
	9	5	5	0	0	0	1	1	1	5	6	6	7	7	7	7	7			
	3	4	5	3	6	9	0	1	2	9	0	1	7	8	3	4	5			
Salivary Glands	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			47
Lymphoma Malignant		X																		3
Neoplasm Nos, Metastatic, Thymus																				1
Sarcoma, Metastatic, Skin																				1
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			46
Lymphoma Malignant																				1
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			43
Lymphoma Malignant																				1
Tongue	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			47
Lymphoma Malignant		X																		2
Cardiovascular System																				
Blood Vessel	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			47
Heart	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			48
Lymphoma Malignant		X																		2
Neoplasm Nos, Metastatic, Thymus																				1
Endocrine System																				
Adrenal Gland, Cortex	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			44
Adenoma															X					1
Subcapsular, Adenoma																				1
Adrenal Gland, Medulla	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			44
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			45
Parathyroid Gland	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	M			42

* ..Total animals with tissue examined microscopically; Total animals with tumor

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

BLANK ..Not examined microscopically

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

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
Test Compound: Urethane + ethanol (combination)
CAS Number: URETHCOMB

Date Report Requested: 10/18/2014
Time Report Requested: 00:18:21
First Dose M/F: NA / NA
Lab: NCTR

B6C3F1/NCTR Mouse Male 0% ETH/ 0PPM URE	DAY ON TEST																	ANIMAL ID		
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7			
	6	6	6	5	5	6	6	6	6	6	6	6	6	6	6	6	6			
	4	4	4	6	7	4	4	4	4	4	4	4	4	4	4	4	4			
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1			
	8	9	9	0	0	0	0	0	0	0	0	0	0	0	0	1	1			
	9	5	5	0	0	0	1	1	1	5	6	6	7	7	7	7	7			
	3	4	5	3	6	9	0	1	2	9	0	1	7	8	3	4	5			
Pituitary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			35
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			46
Follicular Cel, Adenoma						X										X				2
Lymphoma Malignant		X																		2
General Body System																				
NONE																				
Genital System																				
Coagulating Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			46
Lymphoma Malignant		X																		2
Epididymis	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			47
Lymphoma Malignant		X																		2
Neoplasm Nos, Metastatic, Thymus																				1
Preputial Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			45
Lymphoma Malignant																				1
Prostate	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			46
Lymphoma Malignant																				2
Neoplasm Nos, Metastatic, Thymus																				1
Seminal Vesicle	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			46
Lymphoma Malignant		X																		2
Testes	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			47
Hematopoietic System																				

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

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

Experiment Number: 00602-05

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Mouse/B6C3F1/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/18/2014

Time Report Requested: 00:18:21

First Dose M/F: NA / NA

Lab: NCTR

B6C3F1/NCTR Mouse Male 0% ETH/ 0PPM URE	DAY ON TEST																	ANIMAL ID		
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7			
	6	6	6	5	5	6	6	6	6	6	6	6	6	6	6	6	6			
	4	4	4	6	7	4	4	4	4	4	4	4	4	4	4	4	4			
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1			
	8	9	9	0	0	0	0	0	0	0	0	0	0	0	0	1	1			
	9	5	5	0	0	0	1	1	1	5	6	6	7	7	7	7	7			
	3	4	5	3	6	9	0	1	2	9	0	1	7	8	3	4	5			
Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			46
Hemangiosarcoma					X															1
Histiocytic Sarcoma				X																1
Lymphoma Malignant		X																		1
Lymph Node												+								2
Axillary, Sarcoma, Metastatic, Skin												X								1
Lymph Node, Mandibular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			46
Hemangiosarcoma																				1
Lymphoma Malignant		X																		3
Neoplasm Nos																				1
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			43
Histiocytic Sarcoma				X																1
Lymphoma Malignant		X											X							6
Neoplasm Nos, Metastatic, Thymus																				1
Spleen	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			44
Hemangiosarcoma					X				X											2
Histiocytic Sarcoma				X																1
Lymphoma Malignant		X			X		X						X		X					9
Thymus	+	+	+	+	M	M	+	+	M	+	+	+	+	+	+	+	M			32
Lymphoma Malignant		X																		2
Neoplasm Nos																				1
Sarcoma, Metastatic, Uncertain Primary Site																				1

* ..Total animals with tissue examined microscopically; Total animals with tumor

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

BLANK ..Not examined microscopically

Experiment Number: 00602-05

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Mouse/B6C3F1/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/18/2014

Time Report Requested: 00:18:22

First Dose M/F: NA / NA

Lab: NCTR

B6C3F1/NCTR Mouse Male 0% ETH/ 0PPM URE	DAY ON TEST																ANIMAL ID	
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7		
	6	6	6	5	5	6	6	6	6	6	6	6	6	6	6	6		
	4	4	4	6	7	4	4	4	4	4	4	4	4	4	4	4		
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1		
	8	9	9	0	0	0	0	0	0	0	0	0	0	0	1	1		
	9	5	5	0	0	0	1	1	1	5	6	6	7	7	7	7		
	3	4	5	3	6	9	0	1	2	9	0	1	7	8	3	4		
																		*TOTALS

Integumentary System

Mammary Gland	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M		0
Skin	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		47
Fibroma, Multiple																		1
Hemangiosarcoma																X		1
Histiocytic Sarcoma							X											1
Histiocytic Sarcoma, Multiple																		1
Lymphoma Malignant																		1
Sarcoma									X			X						9
Sarcoma, Multiple	X																	1

Musculoskeletal System

Bone	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		48
Sternum, Sarcoma, Metastatic, Uncertain Primary Site																		1
Skeletal Muscle	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		48
Lymphoma Malignant																		1
Neoplasm Nos, Metastatic, Thymus																		1
Rhabdomyosarcoma																		1

Nervous System

Brain, Cerebellum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		48
Lymphoma Malignant																		1

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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	DAY ON TEST																	ANIMAL ID		
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7			
	6	6	6	5	5	6	6	6	6	6	6	6	6	6	6	6	6			
	4	4	4	6	7	4	4	4	4	4	4	4	4	4	4	4	4			
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1			
	8	9	9	0	0	0	0	0	0	0	0	0	0	0	0	0	1			
	9	5	5	0	0	0	1	1	1	5	6	6	7	7	7	7	7			
	3	4	5	3	6	9	0	1	2	9	0	1	7	8	3	4	5			
Brain, Cerebrum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			48
Lymphoma Malignant																				1
Peripheral Nerve	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			47
Spinal Cord, Thoracic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			47
Respiratory System																				
Larynx	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+			45
Lymphoma Malignant		X																		2
Lung	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			48
Alveolar/Bronchiolar Adenoma						X	X	X												3
Alveolar/Bronchiolar Adenoma, Multiple																				1
Alveolar/Bronchiolar Carcinoma																				1
Hepatocellular Carcinoma, Metastatic, Liver					X															4
Lymphoma Malignant		X														X				3
Neoplasm Nos																				1
Neoplasm Nos, Metastatic, Thymus																				1
Sarcoma, Metastatic, Skin												X								1
Nose	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			47
Lymphoma Malignant																				1
Trachea	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			47
Lymphoma Malignant																				1
Special Senses System																				
Eye	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			47

* ..Total animals with tissue examined microscopically; Total animals with tumor

+ ..Tissue examined microscopically

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

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Test Compound: Urethane + ethanol (combination)
 CAS Number: URETHCOMB

Date Report Requested: 10/18/2014
 Time Report Requested: 00:18:22
 First Dose M/F: NA / NA
 Lab: NCTR

B6C3F1/NCTR Mouse Male 0% ETH/ 0PPM URE	DAY ON TEST																	ANIMAL ID		
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	0		
	6	6	6	5	5	6	6	6	6	6	6	6	6	6	6	6	6	0		
	4	4	4	6	7	4	4	4	4	4	4	4	4	4	4	4	4	0		
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0		
	8	9	9	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1		
	9	5	5	0	0	0	1	1	1	5	6	6	7	7	7	7	7	7		
	3	4	5	3	6	9	0	1	2	9	0	1	7	8	3	4	5			
Lymphoma Malignant																				1
Harderian Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			47
Adenoma	X																			3
Lymphoma Malignant		X																		2
Lacrimal Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			47
Lymphoma Malignant		X																		2
Zymbal's Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			45
Lymphoma Malignant		X																		2
Urinary System																				
Kidney	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			46
Lymphoma Malignant		X																		2
Urinary Bladder	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			46
Lymphoma Malignant																				1
SYSTEMIC LESIONS																				
Multiple Organ	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			48
Histiocytic Sarcoma				X			X													3
Lymphoma Malignant		X			X		X					X		X						9

* ..Total animals with tissue examined microscopically; Total animals with tumor
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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1	1	2	2	2	3	4	5	5	5	6	6	6	6	7	6	6	7	7	7	7	7	7	7	7	7	7	7
	4	1	1	2	2	0	4	2	3	1	1	6	6	4	0	4	9	6	6	6	6	0	2	6	6	6	5	6
ANIMAL ID	1	1	1	0	4	6	3	0	7	1	4	2	5	0	6	2	1	5	5	5	5	3	6	4	4	4	4	4
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	1	1	1	1	3	3	3	3	3	3	4	5	5	5	5	5	5	5	5	6	6	7
	4	5	5	5	6	7	1	5	6	7	1	4	4	7	8	9	5	3	3	3	3	6	6	9	9	9	1	1
	6	7	8	9	7	3	9	2	3	6	6	9	4	4	8	4	4	1	2	3	4	2	5	5	6	4	3	4
	6	7	8	9	7	3	9	2	3	6	6	9	4	4	8	4	4	1	2	3	4	2	5	5	6	4	3	4
	6	7	8	9	7	3	9	2	3	6	6	9	4	4	8	4	4	1	2	3	4	2	5	5	6	4	3	4

Alimentary System

Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Gallbladder	+	+	+	A	A	A	A	+	+	A	A	A	+	+	+	+	A	+	+	+	+	+	+	+	+	M	+	+
Intestine Large, Cecum	+	A	A	A	A	A	A	+	A	+	A	+	A	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+
Intestine Large, Colon	+	+	+	A	+	A	+	+	+	+	A	+	A	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Small, Duodenum	A	A	+	A	A	A	A	+	A	+	+	+	A	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+
Intestine Small, Ileum	+	A	A	A	A	A	A	+	A	+	A	+	A	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+
Lymphoma Malignant																												
Intestine Small, Jejunum	+	A	+	A	A	A	A	+	A	+	+	+	A	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+
Liver	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+
Hemangiosarcoma																												
Hepatoblastoma																												
Hepatocellular Adenoma												X					X			X							X	X
Hepatocellular Adenoma, Multiple															X					X						X		
Hepatocellular Carcinoma												X														X	X	X
Histiocytic Sarcoma											X																	
Lymphoma Malignant																X									X			
Mesentery										+																		
Pancreas	+	+	+	A	+	A	A	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+
Lymphoma Malignant																									X			
Salivary Glands	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+

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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1	1	2	2	2	3	4	5	5	5	6	6	6	6	7	6	6	7	7	7	7	7	7	7	7	7	7	7
	4	1	1	2	2	0	4	2	3	1	1	6	6	4	0	4	9	6	6	6	6	0	2	6	6	6	5	6
ANIMAL ID	1	1	1	0	4	6	3	0	7	1	4	2	5	0	6	2	1	5	5	5	5	3	6	4	4	4	4	4
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	1	1	1	1	3	3	3	3	3	3	4	5	5	5	5	5	5	5	5	6	6	7
	4	5	5	5	6	7	1	5	6	7	1	4	4	7	8	9	5	3	3	3	3	6	6	9	9	4	9	1
	6	7	8	9	7	3	9	2	3	6	6	9	4	4	8	4	4	1	2	3	4	2	5	5	6	7	3	4
Lymphoma Malignant																												X
Stomach, Forestomach	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Squamous Cell Carcinoma											X																	
Squamous Cell Papilloma																		X										
Stomach, Glandular	+	A	+	A	A	+	+	+	A	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+
Carcinoma																												X
Tongue	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Cardiovascular System																												
Blood Vessel	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M
Lymphoma Malignant																												
Heart	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Hemangioma																											X	
Endocrine System																												
Adrenal Gland, Cortex	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Adenoma																												X
Subcapsular, Adenoma													X															
Adrenal Gland, Medulla	+	+	+	M	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Islets, Pancreatic	+	+	+	A	+	A	A	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+
Parathyroid Gland	M	+	+	A	+	+	+	+	+	+	M	+	M	M	+	+	M	+	+	M	M	M	+	+	+	M	M	M
Pituitary Gland	+	M	+	M	+	+	+	+	+	+	M	M	+	+	+	M	+	+	M	+	+	+	+	+	+	+	+	+
Thyroid Gland	M	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Follicular Cel, Adenoma																												X

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Lab: NCTR

B6C3F1/NCTR Mouse Male 0% ETH/ 10PPMURE		DAY ON TEST	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
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General Body System

NONE

Genital System

Coagulating Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Epididymis	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Penis	+																																				
Preputial Gland	+	M	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	M	+	+	+
Prostate	M	+	+	A	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Seminal Vesicle	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Testes	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+

Hematopoietic System

Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+				
Hemangiosarcoma																																	X				
Histiocytic Sarcoma												X																									
Lymph Node									+								+																			+	
Lumbar, Histiocytic Sarcoma																																					
Mediastinal, Hepatoblastoma, Metastatic, Liver																																					X
Mediastinal, Lymphoma Malignant																	X																				
Pancreatic, Carcinoma, Metastatic, Stomach																																					X
Pancreatic, Lymphoma Malignant																																					

* ..Total animals with tissue examined microscopically; Total animals with tumor

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

BLANK ..Not examined microscopically

Experiment Number: 00602-05

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Mouse/B6C3F1/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/18/2014

Time Report Requested: 00:18:23

First Dose M/F: NA / NA

Lab: NCTR

B6C3F1/NCTR Mouse Male 0% ETH/ 10PPMURE	DAY ON TEST																											
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1	1	2	2	2	3	4	5	5	5	6	6	6	6	7	6	6	7	7	7	7	7	7	7	7	7	7	7
	4	1	1	2	2	0	4	2	3	1	1	6	6	4	0	4	9	6	6	6	6	0	2	6	6	6	5	6
ANIMAL ID	1	1	1	0	4	6	3	0	7	1	4	2	5	0	6	2	1	5	5	5	5	3	6	4	4	4	4	4
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	1	1	1	1	3	3	3	3	3	3	4	5	5	5	5	5	5	5	5	6	6	7
	4	5	5	5	6	7	1	5	6	7	1	4	4	7	8	9	5	3	3	3	3	6	6	9	9	9	4	9
	6	7	8	9	7	3	9	2	3	6	6	6	9	4	8	4	4	1	2	3	4	2	5	5	6	7	3	4
Sarcoma, Multiple	X																											
Squamous Cell Papilloma	X																											
Musculoskeletal System																												
Bone	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Skeletal Muscle	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Rhabdomyosarcoma	X																											
Nervous System																												
Brain, Cerebellum	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Brain, Cerebrum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Peripheral Nerve	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Spinal Cord, Thoracic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Respiratory System																												
Larynx	M	+	+	A	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Lung	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Alveolar/Bronchiolar Adenoma	X																											
Alveolar/Bronchiolar Adenoma, Multiple	X																											
Alveolar/Bronchiolar Carcinoma	X																											
Basal Cell Carcinoma, Metastatic, Skin	X																											
Hepatoblastoma, Metastatic, Liver	X																											
Histiocytic Sarcoma	X																											
Sarcoma, Metastatic, Skin	X																											

* ..Total animals with tissue examined microscopically; Total animals with tumor

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

BLANK ..Not examined microscopically

Experiment Number: 00602-05

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Mouse/B6C3F1/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/18/2014

Time Report Requested: 00:18:24

First Dose M/F: NA / NA

Lab: NCTR

B6C3F1/NCTR Mouse Male 0% ETH/ 10PPMURE	DAY ON TEST																											
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1	1	2	2	2	3	4	5	5	5	6	6	6	6	7	6	6	7	7	7	7	7	7	7	7	7	7	7
	4	1	1	2	2	0	4	2	3	1	1	6	6	4	0	4	9	6	6	6	6	0	2	6	6	6	5	6
ANIMAL ID	1	1	1	0	4	6	3	0	7	1	4	2	5	0	6	2	1	5	5	5	5	3	6	4	4	4	4	4
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	1	1	1	1	3	3	3	3	3	3	4	5	5	5	5	5	5	5	5	6	6	7
	4	5	5	5	6	7	1	5	6	7	1	4	4	7	8	9	5	3	3	3	3	6	6	9	9	4	9	1
	6	7	8	9	7	3	9	2	3	6	6	9	4	4	8	4	4	1	2	3	3	4	5	5	6	7	3	4
Schwannoma Malignant, Metastatic, Nose																												X
Nose	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Schwannoma Malignant																												X
Trachea	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Special Senses System																												
Eye	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Harderian Gland	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Adenoma																	X		X				X	X				X
Bilateral, Adenoma															X													
Carcinoma																												
Lacrimal Gland	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Zymbal's Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	M	+	+	M	+
Urinary System																												
Kidney	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Lymphoma Malignant																							X		X			
Urethra			+																									
Urinary Bladder	+	+	+	A	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Lymphoma Malignant															X													
SYSTEMIC LESIONS																												
Multiple Organ	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Histiocytic Sarcoma											X											X						

* ..Total animals with tissue examined microscopically; Total animals with tumor

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

BLANK ..Not examined microscopically

Species/Strain: Mouse/B6C3F1/NCTR

CAS Number: URETHCOMB

Lab: NCTR

B6C3F1/NCTR Mouse Male 0% ETH/ 10PPMURE		DAY ON TEST																															
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
		1	1	2	2	2	3	4	5	5	6	6	6	6	7	6	6	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	
		4	1	1	2	2	0	4	2	3	1	1	6	6	4	0	4	9	6	6	6	0	2	6	6	6	6	5	6	4	6	6	
		1	1	1	0	4	6	3	0	7	1	4	2	5	0	6	2	1	5	5	5	5	3	6	4	4	4	4	4	4	4	6	4
		ANIMAL ID	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
	0	0	0	0	0	0	1	1	1	1	3	3	3	3	3	3	4	5	5	5	5	5	5	5	5	5	6	6	7	8	8		
	4	5	5	5	6	7	1	5	6	7	1	4	4	7	8	9	5	3	3	3	6	6	9	9	4	9	1	4	9	1	1	3	
	6	7	8	9	7	3	9	2	3	6	6	6	9	4	8	4	4																
Lymphoma Malignant		X X X																															

Insufficient tissue

BLANK ..Not examined microscopically

Experiment Number: 00602-05

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Mouse/B6C3F1/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/18/2014

Time Report Requested: 00:18:24

First Dose M/F: NA / NA

Lab: NCTR

B6C3F1/NCTR Mouse Male 0% ETH/ 10PPMURE	DAY ON TEST															
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ANIMAL ID	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
	6	5	6	6	6	6	6	6	6	6	6	6	6	6	6	6
	4	2	4	4	4	4	4	4	4	4	4	4	4	4	4	4
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1
	8	8	9	9	9	9	9	0	0	0	0	1	1	1	1	1
	3	7	0	0	1	1	7	2	2	6	6	1	2	2	8	8
	5	3	8	9	0	1	0	1	2	5	6	9	0	1	5	6
	*TOTALS															

Alimentary System

Esophagus	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	47
Gallbladder	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	38
Intestine Large, Cecum	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	37
Intestine Large, Colon	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	42
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	47
Intestine Small, Duodenum	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	38
Intestine Small, Ileum	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	37
Lymphoma Malignant	X																1
Intestine Small, Jejunum	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	39
Liver	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	47
Hemangiosarcoma									X								2
Hepatoblastoma																	1
Hepatocellular Adenoma				X					X	X		X				X	10
Hepatocellular Adenoma, Multiple																	3
Hepatocellular Carcinoma		X					X										6
Histiocytic Sarcoma		X															2
Lymphoma Malignant																	2
Mesentery																	1
Pancreas	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	44
Lymphoma Malignant																	1
Salivary Glands	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	48

* ..Total animals with tissue examined microscopically; Total animals with tumor

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

BLANK ..Not examined microscopically

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

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Test Compound: Urethane + ethanol (combination)
 CAS Number: URETHCOMB

Date Report Requested: 10/18/2014
 Time Report Requested: 00:18:24
 First Dose M/F: NA / NA
 Lab: NCTR

B6C3F1/NCTR Mouse Male 0% ETH/ 10PPMURE	DAY ON TEST																	ANIMAL ID	
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7		
	6	5	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6		
	4	2	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4		
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1		
	8	8	9	9	9	9	9	0	0	0	0	1	1	1	1	1	1		
	3	7	0	0	1	1	7	2	2	6	6	1	2	2	8	8	8		
	5	3	8	9	0	1	0	1	2	5	6	9	0	1	5	6	7		
Lymphoma Malignant																			1
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		47
Squamous Cell Carcinoma																			1
Squamous Cell Papilloma																			1
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		43
Carcinoma																			1
Tongue	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		48
Cardiovascular System																			
Blood Vessel	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+		46
Lymphoma Malignant																		X	1
Heart	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		48
Hemangioma																			1
Endocrine System																			
Adrenal Gland, Cortex	M	+	+	+	+	+	+	+	+	M	+	+	+	M	+	+	+		44
Adenoma																			1
Subcapsular, Adenoma																			1
Adrenal Gland, Medulla	M	+	+	+	+	+	+	+	+	M	+	+	+	M	+	+	+		43
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		44
Parathyroid Gland	M	+	+	M	+	M	+	+	+	+	+	+	+	+	+	+	+		33
Pituitary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		42
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		46
Follicular Cel, Adenoma																		X	2

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Experiment Number: 00602-05

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Mouse/B6C3F1/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

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Time Report Requested: 00:18:24

First Dose M/F: NA / NA

Lab: NCTR

B6C3F1/NCTR Mouse Male 0% ETH/ 10PPMURE	DAY ON TEST																ANIMAL ID	
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7		
	6	5	6	6	6	6	6	6	6	6	6	6	6	6	6	6		
	4	2	4	4	4	4	4	4	4	4	4	4	4	4	4	4		
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1		
	8	8	9	9	9	9	9	0	0	0	0	1	1	1	1	1		
	3	7	0	0	1	1	7	2	2	6	6	1	2	2	8	8		
	5	3	8	9	0	1	0	1	2	5	6	9	0	1	5	6		
																		*TOTALS

General Body System

NONE

Genital System

Coagulating Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		48
Epididymis	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		48
Penis																		1
Preputial Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		44
Prostate	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		45
Seminal Vesicle	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		48
Testes	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		48

Hematopoietic System

Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		47
Hemangiosarcoma																		1
Histiocytic Sarcoma																		1
Lymph Node	+	+					+									+		7
Lumbar, Histiocytic Sarcoma		X																1
Mediastinal, Hepatoblastoma, Metastatic, Liver																		1
Mediastinal, Lymphoma Malignant																		1
Pancreatic, Carcinoma, Metastatic, Stomach																		1
Pancreatic, Lymphoma Malignant	X																	1

* ..Total animals with tissue examined microscopically; Total animals with tumor

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

BLANK ..Not examined microscopically

Experiment Number: 00602-05

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Mouse/B6C3F1/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/18/2014

Time Report Requested: 00:18:25

First Dose M/F: NA / NA

Lab: NCTR

B6C3F1/NCTR Mouse Male 0% ETH/ 10PPMURE		DAY ON TEST																	ANIMAL ID	*TOTALS	
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
		7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7			
		6	5	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6			
		4	2	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4			
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
		0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1			
		8	8	9	9	9	9	9	0	0	0	0	1	1	1	1	1	1			
		3	7	0	0	1	1	7	2	2	6	6	1	2	2	8	8	8			
		5	3	8	9	0	1	0	1	2	5	6	9	0	1	5	6	7			
Renal, Lymphoma Malignant																			X	2	
Lymph Node, Mandibular		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	46		
Lymphoma Malignant																			X	1	
Lymph Node, Mesenteric		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	47		
Histiocytic Sarcoma		X																			2
Lymphoma Malignant		X																	X	3	
Sarcoma																				1	
Spleen		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	46		
Hemangiosarcoma															X				2		
Histiocytic Sarcoma		X																			3
Lymphoma Malignant																		X	X	4	
Thymus		+	+	M	+	+	+	M	+	M	+	+	+	M	+	M	+	+	29		
Lymphoma Malignant																				2	
Integumentary System																					
Mammary Gland		M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	2		
Skin		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	48		
Basal Cell Carcinoma																				1	
Fibroma		X																X	2		
Hemangioma																				1	
Rhabdomyosarcoma, Metastatic, Skeletal																				1	
Muscle																					
Sarcoma						X	X													X	7

* ..Total animals with tissue examined microscopically; Total animals with tumor

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

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Experiment Number: 00602-05

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Mouse/B6C3F1/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/18/2014

Time Report Requested: 00:18:25

First Dose M/F: NA / NA

Lab: NCTR

B6C3F1/NCTR Mouse Male 0% ETH/ 10PPMURE	DAY ON TEST																	ANIMAL ID	
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7		
	6	5	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6		
	4	2	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4		
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1		
	8	8	9	9	9	9	9	0	0	0	0	1	1	1	1	1	1		
	3	7	0	0	1	1	7	2	2	6	6	1	2	2	8	8	8		
	5	3	8	9	0	1	1	1	2	5	6	9	0	1	5	6	7		
Sarcoma, Multiple																			X
Squamous Cell Papilloma																			2
Musculoskeletal System																			1
Bone	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		48
Skeletal Muscle	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		48
Rhabdomyosarcoma																			1
Nervous System																			
Brain, Cerebellum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		47
Brain, Cerebrum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		48
Peripheral Nerve	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		48
Spinal Cord, Thoracic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		48
Respiratory System																			
Larynx	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		45
Lung	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		48
Alveolar/Bronchiolar Adenoma	X	X			X							X			X	X			15
Alveolar/Bronchiolar Adenoma, Multiple																			2
Alveolar/Bronchiolar Carcinoma																			1
Basal Cell Carcinoma, Metastatic, Skin																			1
Hepatoblastoma, Metastatic, Liver																			1
Histiocytic Sarcoma																			2
Sarcoma, Metastatic, Skin																			2

* ..Total animals with tissue examined microscopically; Total animals with tumor

+ ..Tissue examined microscopically

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Experiment Number: 00602-05

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Mouse/B6C3F1/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/18/2014

Time Report Requested: 00:18:25

First Dose M/F: NA / NA

Lab: NCTR

B6C3F1/NCTR Mouse Male 0% ETH/ 10PPMURE		DAY ON TEST																	ANIMAL ID	*TOTALS
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
		7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7		
		6	5	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6		
		4	2	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4		
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
		0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1		
		8	8	9	9	9	9	9	0	0	0	0	1	1	1	1	1	1		
		3	7	0	0	1	1	7	2	2	6	6	1	2	2	8	8	8		
		5	3	8	9	0	1	0	1	2	5	6	9	0	1	5	6	7		
Schwannoma Malignant, Metastatic, Nose																			1	
Nose		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	48	
Schwannoma Malignant																			1	
Trachea		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	47	
Special Senses System																				
Eye		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	47	
Harderian Gland		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	47	
Adenoma		X	X		X		X					X							10	
Bilateral, Adenoma																			1	
Carcinoma																			1	
Lacrimal Gland		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	47	
Zymbal's Gland		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	45	
Urinary System																				
Kidney		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	47	
Lymphoma Malignant																			2	
Urethra																			1	
Urinary Bladder		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	46	
Lymphoma Malignant																			1	
SYSTEMIC LESIONS																				
Multiple Organ		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	48	
Histiocytic Sarcoma		X																	3	

* ..Total animals with tissue examined microscopically; Total animals with tumor

+ ..Tissue examined microscopically

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Species/Strain: Mouse/B6C3F1/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/18/2014

Time Report Requested: 00:18:25

First Dose M/F: NA / NA

Lab: NCTR

B6C3F1/NCTR Mouse Male 0% ETH/ 10PPMURE	DAY ON TEST	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
		6	5	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
		4	2	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
	ANIMAL ID	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1
		8	8	9	9	9	9	9	0	0	0	0	1	1	1	1	1	1	1
		3	7	0	0	1	1	7	2	2	6	6	1	2	2	8	8	8	8
		5	3	8	9	0	1	0	1	2	5	6	9	0	1	5	6	7	7
		*TOTALS																	
Lymphoma Malignant		X															X	X	7

* ..Total animals with tissue examined microscopically; Total animals with tumor

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

BLANK ..Not examined microscopically

Experiment Number: 00602-05

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Mouse/B6C3F1/NCTR

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Date Report Requested: 10/18/2014

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First Dose M/F: NA / NA

Lab: NCTR

B6C3F1/NCTR Mouse Male 0% ETH/ 30PPMURE	DAY ON TEST																											
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3	4	4	4	4	5	5	6	6	6	6	6	6	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
	1	1	0	5	3	1	4	5	1	6	4	5	4	2	2	4	5	6	6	6	2	0	6	6	4	6	6	5
ANIMAL ID	2	0	3	6	2	0	2	5	1	8	1	3	3	8	4	6	4	5	5	5	4	7	4	4	6	4	4	2
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	1	1	1	1	2	2	2	2	3	3	3	3	4	4	4	4	5	5	5	5	5	5	5	6	6	7	7
	7	0	0	1	3	0	2	8	9	5	5	8	9	4	8	9	9	1	1	2	3	6	8	8	2	3	0	4
	7	4	8	3	0	8	2	2	1	4	6	9	9	3	7	2	8	8	9	0	8	9	0	1	4	3	4	2
Pancreas		+	A	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A
Hemangiosarcoma																		X										
Lymphoma Malignant		X									X																	
Salivary Glands		+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Lymphoma Malignant		X																X					X					
Stomach, Forestomach		+	A	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A
Squamous Cell Papilloma																		X					X					
Stomach, Glandular		+	A	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A
Lymphoma Malignant		X																										
Tongue		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Cardiovascular System																												
Blood Vessel		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Heart		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Alveolar/Bronchiolar Carcinoma, Metastatic, Lung																												
Hemangioma																							X					
Hemangiosarcoma																		X										
Lymphoma Malignant		X																										
Endocrine System																												
Adrenal Gland, Cortex		+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	M
Lymphoma Malignant		X																X										
Subcapsular, Adenoma																												

* ..Total animals with tissue examined microscopically; Total animals with tumor

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Experiment Number: 00602-05

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Route: DOSED WATER

Species/Strain: Mouse/B6C3F1/NCTR

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CAS Number: URETHCOMB

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Time Report Requested: 00:18:27

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Lab: NCTR

B6C3F1/NCTR Mouse Male 0% ETH/ 30PPMURE	DAY ON TEST	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
		3	4	4	4	4	5	5	6	6	6	6	6	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	
		1	1	0	5	3	1	4	5	1	6	4	5	4	2	2	4	5	6	6	6	2	0	6	6	4	6	6	6	6	5
		2	0	3	6	2	0	2	5	1	8	1	3	3	8	4	6	4	5	5	5	5	4	7	4	4	6	4	4	4	2
	ANIMAL ID	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	0	1	1	1	1	2	2	2	2	3	3	3	3	4	4	4	4	5	5	5	5	5	5	5	6	6	6	7	7	8	
	7	0	0	1	3	0	2	8	9	5	5	8	9	4	8	9	9	1	1	2	3	6	8	8	2	3	3	0	4	5	
	7	4	8	3	0	8	2	2	1	4	6	9	9	3	7	2	8	8	9	0	1	4	3	4	2	3	4	2	9	0	
Histiocytic Sarcoma										X				X																	
Lymphoma Malignant		X										X					X						X								
Thymus		+	A	+	M	+	+	+	+	M	M	+	+	+	+	+	M	+	+	+	+	+	M	+	M	+	+	+	+	+	M
Alveolar/Bronchiolar Carcinoma, Metastatic, Lung																															
Lymphoma Malignant		X										X											X								
Integumentary System																															
Mammary Gland		+	M	M	M	+	M	M	+	M	M	M	M	+	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	
Lymphoma Malignant		X																													
Skin		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Basal Cell Adenoma																X															
Fibroma																															
Histiocytic Sarcoma																															
Lymphoma Malignant		X																													
Sarcoma					X																			X	X				X		
Squamous Cell Carcinoma																															
Squamous Cell Papilloma																															
Musculoskeletal System																															
Bone		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Skeletal Muscle		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Lymphoma Malignant		X																													

* ..Total animals with tissue examined microscopically; Total animals with tumor

+ ..Tissue examined microscopically

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Species/Strain: Mouse/B6C3F1/NCTR

CAS Number: URETHCOMB

Lab: NCTR

[illegible][illegible][illegible][illegible]

BLANK ..Not examined microscopically

Experiment Number: 00602-05

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Mouse/B6C3F1/NCTR

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Date Report Requested: 10/18/2014

Time Report Requested: 00:18:28

First Dose M/F: NA / NA

Lab: NCTR

		DAY ON TEST																											
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		3	4	4	4	4	5	5	6	6	6	6	6	6	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
		1	1	0	5	3	1	4	5	1	6	4	5	4	2	2	4	5	6	6	6	2	0	6	6	4	6	6	5
		2	0	3	6	2	0	2	5	1	8	1	3	3	8	4	6	4	5	5	5	4	7	4	4	6	4	4	2
B6C3F1/NCTR Mouse Male 0% ETH/ 30PPMURE	ANIMAL ID	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	1	1	1	1	2	2	2	2	3	3	3	3	4	4	4	4	5	5	5	5	5	5	6	6	6	7	7
		7	0	0	1	3	0	2	8	9	5	5	8	9	4	8	9	9	1	1	2	3	6	8	8	2	3	0	4
Histiocytic Sarcoma		7	4	8	3	0	8	2	2	1	4	6	9	9	3	7	2	8	8	9	0	8	9	0	1	4	3	4	2
Lymphoma Malignant			X								X		X					X	X				X						X

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B6C3F1/NCTR Mouse Male 0% ETH/ 30PPMURE	DAY ON TEST																ANIMAL ID	
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7		
	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6		
	4	4	4	4	4	4	4	4	4	2	4	4	4	4	4	4		
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1		
	8	8	8	8	8	9	9	9	0	0	0	0	0	1	1	1		
	1	1	8	8	8	4	4	4	0	5	5	5	5	1	6	6		
	7	8	4	5	6	6	7	8	7	5	6	7	8	1	8	9		
																		*TOTALS

Alimentary System

Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		46
Gallbladder	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+		36
Lymphoma Malignant																		1
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		40
Lymphoma Malignant																		1
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		41
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		45
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+		36
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		35
Lymphoma Malignant																		2
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		37
Carcinoma													X					1
Liver	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		46
Hemangiosarcoma									X					X				5
Hepatocellular Adenoma					X				X					X	X			13
Hepatocellular Adenoma, Multiple										X								4
Hepatocellular Carcinoma	X							X										8
Hepatocellular Carcinoma, Multiple		X																1
Histiocytic Sarcoma										X						X	X	5
Lymphoma Malignant																		3
Mesentery																		1

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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7			
	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6			
	4	4	4	4	4	4	4	4	4	2	4	4	4	4	4	4	4			
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1			
	8	8	8	8	8	9	9	9	0	0	0	0	0	1	1	1	1			
	1	1	8	8	8	4	4	4	0	5	5	5	5	1	6	6	6			
	7	8	4	5	6	6	7	8	7	5	6	7	8	1	8	9	0			
Pancreas	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			44
Hemangiosarcoma																				1
Lymphoma Malignant																				2
Salivary Glands	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			46
Lymphoma Malignant																				3
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			44
Squamous Cell Papilloma																			X	3
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			44
Lymphoma Malignant																				1
Tongue	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			47
Cardiovascular System																				
Blood Vessel	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			47
Heart	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			47
Alveolar/Bronchiolar Carcinoma, Metastatic, Lung								X												1
Hemangioma																				1
Hemangiosarcoma																				1
Lymphoma Malignant																				1
Endocrine System																				
Adrenal Gland, Cortex	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			44
Lymphoma Malignant																				2
Subcapsular, Adenoma															X					1

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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7			
	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6			
	4	4	4	4	4	4	4	4	4	2	4	4	4	4	4	4	4			
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1			
	8	8	8	8	8	9	9	9	0	0	0	0	0	1	1	1	1			
	1	1	8	8	8	4	4	4	0	5	5	5	5	1	6	6	7			
	7	8	4	5	6	6	7	8	7	5	6	7	8	1	8	9	0			
Adrenal Gland, Medulla	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+			42
Lymphoma Malignant																				1
Pheochromocytoma Benign																				2
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			44
Parathyroid Gland	+	M	+	+	M	+	+	+	+	M	+	+	+	+	M	+	M			30
Pituitary Gland	M	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+			39
Lymphoma Malignant																				1
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			46
Lymphoma Malignant																				1
General Body System																				
NONE																				
Genital System																				
Coagulating Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			46
Lymphoma Malignant																				1
Epididymis	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			46
Lymphoma Malignant																				1
Penis																				1
Preputial Gland	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+			43
Carcinoma																	X			1
Lymphoma Malignant																				1
Prostate	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			45
Lymphoma Malignant																				2

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Species/Strain: Mouse/B6C3F1/NCTR

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B6C3F1/NCTR Mouse Male 0% ETH/ 30PPMURE	DAY ON TEST																	ANIMAL ID		
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7			
	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6			
	4	4	4	4	4	4	4	4	4	4	2	4	4	4	4	4	4			
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1			
	8	8	8	8	8	9	9	9	0	0	0	0	0	1	1	1	1			
	1	1	8	8	8	4	4	4	0	5	5	5	5	1	6	6	7			
	7	8	4	5	6	6	7	8	7	5	6	7	8	1	8	9	0			
Seminal Vesicle	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			46
Lymphoma Malignant																				1
Testes	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			46
Lymphoma Malignant																				1
Hematopoietic System																				
Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			45
Lymphoma Malignant																				1
Lymph Node																	+			7
Axillary, Lymphoma Malignant																				2
Inguinal, Lymphoma Malignant																				2
Lumbar, Lymphoma Malignant																				2
Mediastinal, Alveolar/Bronchiolar Carcinoma, Metastatic, Lung																				1
Renal, Lymphoma Malignant																				3
Lymph Node, Mandibular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			46
Lymphoma Malignant																				3
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			43
Histiocytic Sarcoma										X										2
Lymphoma Malignant													X							5
Spleen	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			45
Hemangioma																				1
Hemangiosarcoma		X																		2

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

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

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

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Test Compound: Urethane + ethanol (combination)
 CAS Number: URETHCOMB

Date Report Requested: 10/18/2014
 Time Report Requested: 00:18:28
 First Dose M/F: NA / NA
 Lab: NCTR

		DAY ON TEST																		ANIMAL ID	
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
B6C3F1/NCTR Mouse Male		7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7		
0% ETH/ 30PPMURE		6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6		
		4	4	4	4	4	4	4	4	4	2	4	4	4	4	4	4	4	4		
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
		0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1		
		8	8	8	8	8	9	9	9	0	0	0	0	0	1	1	1	1	1		
		1	1	8	8	8	4	4	4	0	5	5	5	5	1	6	6	6	7		
		7	8	4	5	6	6	7	8	7	5	6	7	8	1	8	9	0			
																				*TOTALS	
Histiocytic Sarcoma		X																		3	
Lymphoma Malignant		X																		5	
Thymus		+	M	+	+	+	M	+	+	+	+	+	M	+	M	+	+	+	35		
Alveolar/Bronchiolar Carcinoma, Metastatic, Lung		X																		1	
Lymphoma Malignant																				3	
Integumentary System																					
Mammary Gland		M	M	M	M	M	M	M	M	+	M	M	M	M	M	M	M	M	5		
Lymphoma Malignant																				1	
Skin		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	47		
Basal Cell Adenoma		X																		2	
Fibroma		X X																		3	
Histiocytic Sarcoma																				1	
Lymphoma Malignant																				1	
Sarcoma		X																		5	
Squamous Cell Carcinoma		X																		2	
Squamous Cell Papilloma		X																		1	
Musculoskeletal System																					
Bone		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	47		
Skeletal Muscle		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	47		
Lymphoma Malignant																				1	

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

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

Experiment Number: 00602-05

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Mouse/B6C3F1/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/18/2014

Time Report Requested: 00:18:29

First Dose M/F: NA / NA

Lab: NCTR

B6C3F1/NCTR Mouse Male 0% ETH/ 30PPMURE	DAY ON TEST																
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ANIMAL ID	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
	4	4	4	4	4	4	4	4	4	2	4	4	4	4	4	4	4
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1
	8	8	8	8	8	9	9	9	0	0	0	0	0	1	1	1	1
	1	1	8	8	8	4	4	4	0	5	5	5	5	1	6	6	7
	7	8	4	5	6	6	7	8	7	5	6	7	8	1	8	9	0
*TOTALS																	

Nervous System

Brain, Cerebellum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	44
Lymphoma Malignant																		1
Brain, Cerebrum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	47
Lymphoma Malignant																		1
Peripheral Nerve	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	47
Spinal Cord, Thoracic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	47

Respiratory System

Larynx	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	46
Lung	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	47
Alveolar/Bronchiolar Adenoma	X		X	X	X	X			X							X	X	15
Alveolar/Bronchiolar Adenoma, Multiple								X					X					7
Alveolar/Bronchiolar Carcinoma		X						X			X							8
Alveolar/Bronchiolar Carcinoma, Multiple							X											1
Hepatocellular Carcinoma, Metastatic, Liver								X										2
Histiocytic Sarcoma										X								2
Lymphoma Malignant																		3
Sarcoma, Metastatic, Skin																		1
Nose	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	47
Lymphoma Malignant																		1
Trachea	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	46
Lymphoma Malignant																		1

* ..Total animals with tissue examined microscopically; Total animals with tumor

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

BLANK ..Not examined microscopically

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

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Test Compound: Urethane + ethanol (combination)
 CAS Number: URETHCOMB

Date Report Requested: 10/18/2014
 Time Report Requested: 00:18:29
 First Dose M/F: NA / NA
 Lab: NCTR

B6C3F1/NCTR Mouse Male 0% ETH/ 30PPMURE	DAY ON TEST																
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ANIMAL ID	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
	4	4	4	4	4	4	4	4	4	4	2	4	4	4	4	4	4
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1
	8	8	8	8	8	9	9	9	0	0	0	0	0	1	1	1	1
	1	1	8	8	8	4	4	4	0	5	5	5	5	1	6	6	7
	7	8	4	5	6	6	7	8	7	5	6	7	8	1	8	9	0
*TOTALS																	

Special Senses System

Eye	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	47
Harderian Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	47
Adenoma	X		X		X	X			X			X	X		X	X	21
Bilateral, Adenoma														X			4
Bilateral, Carcinoma																	1
Carcinoma			X						X		X						6
Lymphoma Malignant																	1
Lacrimal Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	44
Lymphoma Malignant																	1
Zymbal's Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	45
Basosquamous Tumor Benign																	1
Lymphoma Malignant																	1

Urinary System

Kidney	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	46
Lymphoma Malignant																	2
Renal Tubule, Adenoma																X	1
Urinary Bladder	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	46
Lymphoma Malignant																	1

SYSTEMIC LESIONS

Multiple Organ	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	47
----------------	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	----

* ..Total animals with tissue examined microscopically; Total animals with tumor

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

BLANK ..Not examined microscopically

Experiment Number: 00602-05

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Mouse/B6C3F1/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/18/2014

Time Report Requested: 00:18:29

First Dose M/F: NA / NA

Lab: NCTR

B6C3F1/NCTR Mouse Male 0% ETH/ 30PPMURE		DAY ON TEST																ANIMAL ID	*TOTALS	
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
		7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7			
		6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6			
		4	4	4	4	4	4	4	4	4	4	2	4	4	4	4	4			4
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
		0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1			
		8	8	8	8	8	9	9	9	0	0	0	0	0	1	1	1			
		1	1	8	8	8	4	4	4	0	5	5	5	5	1	6	6			
		7	8	4	5	6	6	7	8	7	5	6	7	8	1	8	9			
Histiocytic Sarcoma												X						X	X	6
Lymphoma Malignant																X				6

* ..Total animals with tissue examined microscopically; Total animals with tumor

+ ..Tissue examined microscopically

X ..Lesion present

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Experiment Number: 00602-05

Test Type: CHRONIC

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Date Report Requested: 10/18/2014

Time Report Requested: 00:18:29

First Dose M/F: NA / NA

Lab: NCTR

B6C3F1/NCTR Mouse Male 0% ETH/ 90PPMURE	DAY ON TEST																											
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3	2	3	4	4	4	4	4	5	4	5	5	5	5	5	6	6	6	5	6	5	6	6	6	7	6	6	7
	4	3	9	6	6	5	5	8	7	3	9	4	4	6	0	2	0	1	1	8	4	7	1	0	6	1	6	8
ANIMAL ID	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	3	3	3	4	4
	7	8	0	1	3	3	3	3	4	5	5	7	8	0	0	1	1	3	6	6	7	8	8	2	7	8	0	4
	8	1	0	6	1	2	8	9	6	4	7	7	1	1	6	2	6	9	0	3	4	0	4	9	1	6	2	8

Alimentary System

Esophagus	A	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Gallbladder	A	A	A	A	+	+	A	A	A	A	M	A	A	A	+	+	A	A	+	+	A	A	A	M	+	M	A	+	A	+	A	+	+
Intestine Large, Cecum	A	A	M	A	+	+	A	A	A	+	+	A	A	A	+	+	A	A	+	+	+	+	+	+	+	+	A	+	A	+	A	+	+
Intestine Large, Colon	A	+	M	A	+	+	+	A	A	+	+	+	A	+	+	M	+	+	+	+	+	+	+	+	+	+	A	+	A	+	A	+	+
Intestine Large, Rectum	+	+	M	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+
Intestine Small, Duodenum	A	A	M	A	+	+	A	A	A	A	+	A	A	A	+	+	+	A	+	+	+	A	A	A	+	+	A	+	A	+	A	+	+
Intestine Small, Ileum	A	A	M	A	+	+	A	A	A	A	+	A	A	A	+	+	A	A	+	+	+	+	A	A	+	+	A	+	A	+	A	+	+
Intestine Small, Jejunum	A	A	M	A	+	+	A	A	A	A	+	A	A	A	+	A	A	A	+	+	A	+	A	A	+	+	A	+	A	+	A	+	+
Liver	A	+	A	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+
Hemangiosarcoma											X	X											X		X		X						
Hepatocellular Adenoma					X			X	X					X			X						X										
Hepatocellular Adenoma, Multiple															X								X	X						X			
Hepatocellular Carcinoma																			X				X										
Hepatocellular Carcinoma, Multiple																										X							
Histiocytic Sarcoma																											X						
Leukemia Granulocytic																					X												
Lymphoma Malignant																																	
Sarcoma, Metastatic, Skin												X																				X	
Mesentery																																	
Sarcoma, Metastatic, Skin																																	
Pancreas	A	+	A	+	+	+	+	A	A	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	A	+	+	+	+	+	

* ..Total animals with tissue examined microscopically; Total animals with tumor

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

BLANK ..Not examined microscopically

Species/Strain: Mouse/B6C3F1/NCTR

CAS Number: URETHCOMB

Lab: NCTR

[illegible]

I ..Insufficient tissue

BLANK ..Not examined microscopically

Species/Strain: Mouse/B6C3F1/NCTR

CAS Number: URETHCOMB

Lab: NCTR

B6C3F1/NCTR Mouse Male 0% ETH/ 90PPMURE		DAY ON TEST																															
		ANIMAL ID																															
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
		3	2	3	4	4	4	4	4	5	4	5	5	5	5	5	6	6	6	6	5	6	6	6	6	7	6	6	7	6	6		
		4	3	9	6	6	3	3	3	3	0	3	8	8	9	3	1	0	1	8	0	6	6	1	0	0	0	4	0	1	0	3	2
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
		0	0	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	3	3	3	4	4	4	4	4	4	
		7	8	0	1	3	3	3	3	4	5	5	7	8	0	0	1	1	3	6	6	7	8	8	2	7	8	0	4	6	6	7	
		8	1	0	6	1	2	8	9	6	4	7	7	1	1	6	2	6	9	0	3	4	0	4	9	1	6	2	8	3	9	0	0
Adenoma		X																															
Parathyroid Gland		A	+	A	M	+	+	+	+	+	+	+	M	M	+	M	+	+	M	M	+	+	+	+	+	M	M	M	+	M	+		
Pituitary Gland		A	+	A	+	+	+	+	+	+	+	+	+	+	+	+	M	+	M	+	+	+	M	+	+	+	+	M	A	M	+		
Thyroid Gland		A	+	A	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
General Body System																																	
NONE																																	
Genital System																																	
Coagulating Gland		A	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		
Epididymis		A	+	A	+	+	+	+	+	+	+	+	A	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+		
Leukemia Granulocytic		X																															
Penis																																	
Preputial Gland		+	+	A	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+		
Prostate		A	+	A	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		
Seminal Vesicle		A	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		
Leukemia Granulocytic		X																															
Testes		A	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		
Lymphoma Malignant																																	
Hematopoietic System																																	
Bone Marrow		A	+	A	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		
Histiocytic Sarcoma																																	
Leukemia Granulocytic		X																															

Insufficient tissue

BLANK ..Not examined microscopically

Experiment Number: 00602-05

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Mouse/B6C3F1/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/18/2014

Time Report Requested: 00:18:30

First Dose M/F: NA / NA

Lab: NCTR

B6C3F1/NCTR Mouse Male 0% ETH/ 90PPMURE	DAY ON TEST																											
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3	2	3	4	4	4	4	4	5	4	5	5	5	5	5	6	6	6	5	6	5	6	6	6	7	6	6	7
	4	3	9	6	6	5	5	8	7	3	9	4	4	6	0	2	0	1	1	8	4	7	1	0	6	1	0	8
ANIMAL ID	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	3	3	3	4	4
	7	8	0	1	3	3	3	3	4	5	5	7	8	0	0	1	1	3	6	6	7	8	8	2	7	8	0	4
	8	1	0	6	1	2	8	9	6	4	7	1	1	2	6	2	9	0	3	4	0	4	9	1	6	2	8	3
Lymph Node																												
Iliac, Leukemia Granulocytic																												
Inguinal, Leukemia Granulocytic																												
Lymph Node, Mandibular	A	+	A	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Leukemia Granulocytic																												
Lymphoma Malignant																												
Lymph Node, Mesenteric	M	+	A	+	+	+	+	+	A	M	+	+	A	A	+	+	M	A	+	+	+	+	M	+	+	+	A	+
Hemangiosarcoma																												
Histiocytic Sarcoma																												
Leukemia Granulocytic																												
Lymphoma Malignant																												
Spleen	A	+	M	+	+	+	+	+	A	+	+	+	A	+	+	+	+	A	+	+	+	+	+	+	+	+	A	+
Hemangioma																												
Hemangiosarcoma																												
Histiocytic Sarcoma																												
Leukemia Granulocytic																												
Lymphoma Malignant																												
Thymus	A	A	A	M	+	+	+	M	+	+	+	M	M	+	+	+	+	M	+	+	+	+	M	+	M	+	M	+
Sarcoma, Metastatic, Skin																												
Integumentary System																												
Mammary Gland	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M
Carcinoma																												

* ..Total animals with tissue examined microscopically; Total animals with tumor

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

BLANK ..Not examined microscopically

Experiment Number: 00602-05

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Mouse/B6C3F1/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/18/2014

Time Report Requested: 00:18:31

First Dose M/F: NA / NA

Lab: NCTR

B6C3F1/NCTR Mouse Male 0% ETH/ 90PPMURE	DAY ON TEST																											
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3	2	3	4	4	4	4	4	5	4	5	5	5	5	5	6	6	6	5	6	5	6	6	6	7	6	6	7
	4	3	9	6	6	5	5	8	7	3	9	4	4	6	0	2	0	1	1	8	4	7	1	0	6	1	6	8
ANIMAL ID	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	3	3	3	4	4
	7	8	0	1	3	3	3	3	4	5	7	8	0	0	1	1	3	6	6	7	8	8	2	7	8	0	4	6
	8	1	0	6	1	2	8	9	6	4	7	1	1	6	2	6	9	0	3	4	0	4	9	1	6	2	8	3
	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
	Skin																											
	Basal Cell Adenoma																											
	Basal Cell Carcinoma																											
	Hemangioma																											
	Hemangiosarcoma																											
	Lipoma																											
	Lymphoma Malignant																											
	Neoplasm Nos																											
	Sarcoma																											
	Sarcoma, Multiple																											
	Squamous Cell Carcinoma																											
	Squamous Cell Papilloma																											
	Squamous Cell Papilloma, Multiple																											
	Tail, Fibroma																											
Musculoskeletal System																												
	Bone																											
	Cranium, Hemangiosarcoma																											
	Skeletal Muscle																											
	Alveolar/Bronchiolar Carcinoma, Metastatic																											
	Diaphragm, Alveolar/Bronchiolar Carcinoma, Metastatic, Lung																											
	Sarcoma																											

* ..Total animals with tissue examined microscopically; Total animals with tumor

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

BLANK ..Not examined microscopically

Experiment Number: 00602-05

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Mouse/B6C3F1/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/18/2014

Time Report Requested: 00:18:31

First Dose M/F: NA / NA

Lab: NCTR

B6C3F1/NCTR Mouse Male 0% ETH/ 90PPMURE	DAY ON TEST																												
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3	2	3	4	4	4	4	4	5	4	5	5	5	5	5	6	6	6	5	6	5	6	6	6	7	6	6	7	6
	4	3	9	6	6	5	5	8	7	3	9	4	4	6	0	2	0	1	1	8	4	7	1	0	6	1	0	8	0
ANIMAL ID	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	3	3	3	4	4	4
	7	8	0	1	3	3	3	3	4	5	5	7	8	0	0	1	1	3	6	6	7	8	8	2	7	8	0	4	6
	8	1	0	6	1	2	8	9	6	4	7	1	1	6	2	6	9	0	3	4	7	0	4	9	1	6	2	8	3

Nervous System

Brain, Cerebellum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M
Brain, Cerebrum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Peripheral Nerve	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Spinal Cord, Thoracic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+

Respiratory System

Larynx	A	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+
Lung	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Alveolar/Bronchiolar Adenoma		X											X	X			X			X			X	X	X				X	
Alveolar/Bronchiolar Adenoma, Multiple									X					X		X		X	X		X	X				X		X		X
Alveolar/Bronchiolar Carcinoma															X													X	X	
Alveolar/Bronchiolar Carcinoma, Multiple																														
Hemangiosarcoma																														
Hepatocellular Carcinoma																					X									
Hepatocellular Carcinoma, Metastatic, Liver																					X									
Hepatocellular Carcinoma, Multiple, Metastatic, Liver																														
Histiocytic Sarcoma																														
Leukemia Granulocytic																					X									
Sarcoma, Metastatic, Skin													X		X															X
Schwannoma Malignant, Metastatic, Lung								X																						
Nose	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+

* ..Total animals with tissue examined microscopically; Total animals with tumor

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

BLANK ..Not examined microscopically

Experiment Number: 00602-05

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Mouse/B6C3F1/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/18/2014

Time Report Requested: 00:18:31

First Dose M/F: NA / NA

Lab: NCTR

B6C3F1/NCTR Mouse Male 0% ETH/ 90PPMURE	DAY ON TEST																											
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3	2	3	4	4	4	4	4	5	4	5	5	5	5	5	6	6	6	5	6	5	6	6	6	7	6	6	7
	4	3	9	6	6	5	5	8	7	3	9	4	4	6	0	2	0	1	1	8	4	7	1	0	6	1	6	8
ANIMAL ID	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	3	3	3	4	4
	7	8	0	1	3	3	3	3	4	5	5	7	8	0	0	1	1	3	6	6	7	8	8	2	7	8	0	4
	8	1	0	6	1	2	8	9	6	4	7	7	1	1	6	2	9	0	3	4	0	4	9	1	6	2	8	3
Mucosa, Hemangioma																												
Trachea	A	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Special Senses System																												
Eye	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+
Harderian Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+
Adenoma				X					X							X		X	X		X	X		X			X	X
Bilateral, Adenoma														X									X					X
Bilateral, Carcinoma								X			X															X		
Carcinoma						X		X	X	X		X	X				X			X				X				
Lacrimal Gland	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Leukemia Granulocytic																					X							
Zymbal's Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+
Urinary System																												
Kidney	A	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A
Hemangiosarcoma																												
Leukemia Granulocytic																					X							
Lymphoma Malignant																X												
Renal Tubule, Adenoma										X																		
Urethra										+																		
Urinary Bladder	A	+	A	+	+	+	A	+	A	+	+	+	M	+	+	+	A	A	+	+	+	+	A	+	+	+	+	+
SYSTEMIC LESIONS																												

* ..Total animals with tissue examined microscopically; Total animals with tumor

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

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Experiment Number: 00602-05

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Mouse/B6C3F1/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/18/2014

Time Report Requested: 00:18:32

First Dose M/F: NA / NA

Lab: NCTR

B6C3F1/NCTR Mouse Male 0% ETH/ 90PPMURE	DAY ON TEST	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
		1	6	6	1	0	4	6	6	2	6	6	2	2	2	6	6
		3	4	5	9	7	6	4	4	6	1	4	4	6	8	9	4
	ANIMAL ID	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
		4	5	6	6	6	6	7	7	7	7	7	7	8	9	9	0
		8	9	5	7	7	8	1	1	4	4	6	6	1	4	4	2
		0	4	5	3	8	8	1	2	3	4	5	6	2	3	5	3

Alimentary System

Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	46
Gallbladder	+	+	+	+	A	+	+	+	+	A	+	+	A	+	+	M	23
Intestine Large, Cecum	+	+	+	A	+	+	+	+	+	+	+	+	A	A	+	+	31
Intestine Large, Colon	+	+	+	A	+	+	+	+	A	+	+	+	+	+	+	+	37
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	+	44
Intestine Small, Duodenum	+	+	+	A	+	+	+	+	A	A	+	+	A	A	+	+	26
Intestine Small, Ileum	+	+	+	A	+	+	+	+	A	A	+	+	A	A	+	+	26
Intestine Small, Jejunum	+	+	+	A	+	+	+	+	A	A	+	+	A	A	+	+	24
Liver	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	44
Hemangiosarcoma	X			X	X				X	X	X			X		X	13
Hepatocellular Adenoma		X								X		X				X	10
Hepatocellular Adenoma, Multiple								X	X				X				7
Hepatocellular Carcinoma	X				X								X	X		X	8
Hepatocellular Carcinoma, Multiple																	1
Histiocytic Sarcoma															X		2
Leukemia Granulocytic																	1
Lymphoma Malignant			X														1
Sarcoma, Metastatic, Skin																	2
Mesentery																	1
Sarcoma, Metastatic, Skin																	1
Pancreas	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	42

* ..Total animals with tissue examined microscopically; Total animals with tumor

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

BLANK ..Not examined microscopically

Experiment Number: 00602-05

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Mouse/B6C3F1/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/18/2014

Time Report Requested: 00:18:32

First Dose M/F: NA / NA

Lab: NCTR

B6C3F1/NCTR Mouse Male 0% ETH/ 90PPMURE	DAY ON TEST	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
		7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	
		1	6	6	1	0	4	6	6	2	6	6	6	2	2	2	6	6	
		3	4	5	9	7	6	4	4	6	1	4	4	6	8	9	4	4	
	ANIMAL ID	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	
	4	5	6	6	6	6	7	7	7	7	7	7	8	9	9	0	1	1	
	8	9	5	7	7	8	1	1	4	4	6	6	1	4	4	2	8	8	
	0	4	5	3	8	8	1	2	3	4	5	6	2	3	5	3	8		*TOTALS
Leukemia Granulocytic																			1
Salivary Glands	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		46
Leukemia Granulocytic																			1
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		45
Hemangiosarcoma															X				1
Serosa, Hemangiosarcoma																			1
Squamous Cell Carcinoma																	X		2
Squamous Cell Papilloma	X																		3
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		42
Serosa, Sarcoma, Metastatic, Skin																			1
Tongue	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		48
Cardiovascular System																			
Blood Vessel	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	45
Heart	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		48
Hemangiosarcoma					X							X				X			5
Schwannoma Malignant																			1
Endocrine System																			
Adrenal Gland, Cortex	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		44
Adrenal Gland, Medulla	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+		43
Bilateral, Pheochromocytoma Benign																			1
Pheochromocytoma Benign						X								X					5
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		42

* ..Total animals with tissue examined microscopically; Total animals with tumor

+ ..Tissue examined microscopically

X ..Lesion present

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Experiment Number: 00602-05

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Mouse/B6C3F1/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Test Compound: Urethane + ethanol (combination)

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Date Report Requested: 10/18/2014

Time Report Requested: 00:18:32

First Dose M/F: NA / NA

Lab: NCTR

B6C3F1/NCTR Mouse Male 0% ETH/ 90PPMURE		DAY ON TEST																	
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
		7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	
		1	6	6	1	0	4	6	6	2	6	6	6	2	2	2	6	6	
ANIMAL ID		3	4	5	9	7	6	4	4	6	1	4	4	6	8	9	4	4	
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	
		4	5	6	6	6	6	7	7	7	7	7	8	9	9	0	1	1	
		8	9	5	7	7	8	1	1	4	4	6	6	1	4	4	2	8	
		0	4	5	3	8	8	1	2	3	4	5	6	2	3	5	3	8	
		*TOTALS																	
Adenoma																			1
Parathyroid Gland		M	M	+	M	M	+	+	+	M	M	+	M	+	+	M	+	+	28
Pituitary Gland		+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	M	38
Thyroid Gland		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	45
General Body System																			
NONE																			
Genital System																			
Coagulating Gland		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	46
Epididymis		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	44
Leukemia Granulocytic																			1
Penis																			2
Preputial Gland		+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	M	43
Prostate		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	45
Seminal Vesicle		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	46
Leukemia Granulocytic																			1
Testes		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	46
Lymphoma Malignant		X																	1
Hematopoietic System																			
Bone Marrow		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	45
Histiocytic Sarcoma		X																	1
Leukemia Granulocytic																			1

* ..Total animals with tissue examined microscopically; Total animals with tumor

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

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Experiment Number: 00602-05

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Mouse/B6C3F1/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/18/2014

Time Report Requested: 00:18:32

First Dose M/F: NA / NA

Lab: NCTR

B6C3F1/NCTR Mouse Male 0% ETH/ 90PPMURE	DAY ON TEST																
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
	1	6	6	1	0	4	6	6	2	6	6	2	2	2	6	6	6
ANIMAL ID	3	4	5	9	7	6	4	4	6	1	4	4	6	8	9	4	4
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
	4	5	6	6	6	6	7	7	7	7	7	7	8	9	9	0	1
	8	9	5	7	7	8	1	1	4	4	6	6	1	4	4	2	8
	0	4	5	3	8	8	1	2	3	4	5	6	2	3	5	3	8
	*TOTALS																
Lymph Node																	
Iliac, Leukemia Granulocytic																	
Inguinal, Leukemia Granulocytic																	
Lymph Node, Mandibular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Leukemia Granulocytic																	
Lymphoma Malignant																	
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Hemangiosarcoma																	
Histiocytic Sarcoma																	
Leukemia Granulocytic																	
Lymphoma Malignant																	
Spleen	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Hemangioma																	
Hemangiosarcoma																	
Histiocytic Sarcoma																	
Leukemia Granulocytic																	
Lymphoma Malignant																	
Thymus	M	+	M	+	M	M	M	+	+	+	+	+	M	M	+	M	M
Sarcoma, Metastatic, Skin																	
Integumentary System																	
Mammary Gland	M	M	M	M	M	M	M	M	M	M	M	M	+	M	M	M	M
Carcinoma																	

* ..Total animals with tissue examined microscopically; Total animals with tumor

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

BLANK ..Not examined microscopically

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

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Test Compound: Urethane + ethanol (combination)
 CAS Number: URETHCOMB

Date Report Requested: 10/18/2014
 Time Report Requested: 00:18:32
 First Dose M/F: NA / NA
 Lab: NCTR

		DAY ON TEST																ANIMAL ID		
B6C3F1/NCTR Mouse Male		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
0% ETH/ 90PPMURE		7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7			
		1	6	6	1	0	4	6	6	2	6	6	6	2	2	2	6			
		3	4	5	9	7	6	4	4	6	1	4	4	6	8	9	4			
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1			
		4	5	6	6	6	6	7	7	7	7	7	7	8	9	9	0			
		8	9	5	7	7	8	1	1	4	4	6	6	1	4	4	2			
		0	4	5	3	8	8	1	2	3	4	5	6	2	3	5	3	*TOTALS		
Skin		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	48		
Basal Cell Adenoma														X				1		
Basal Cell Carcinoma																		1		
Hemangioma									X									1		
Hemangiosarcoma																		2		
Lipoma																		1		
Lymphoma Malignant					X													1		
Neoplasm Nos																		1		
Sarcoma							X	X										9		
Sarcoma, Multiple																		5		
Squamous Cell Carcinoma																		1		
Squamous Cell Papilloma				X						X								3		
Squamous Cell Papilloma, Multiple													X					2		
Tail, Fibroma																		1		
Musculoskeletal System																				
Bone		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	48		
Cranium, Hemangiosarcoma																		1		
Skeletal Muscle		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	48		
Alveolar/Bronchiolar Carcinoma, Metastatic														X				1		
Diaphragm, Alveolar/Bronchiolar Carcinoma, Metastatic, Lung														X				1		
Sarcoma																		1		

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

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

Experiment Number: 00602-05

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Mouse/B6C3F1/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/18/2014

Time Report Requested: 00:18:33

First Dose M/F: NA / NA

Lab: NCTR

B6C3F1/NCTR Mouse Male 0% ETH/ 90PPMURE	DAY ON TEST															
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ANIMAL ID	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
	1	6	6	1	0	4	6	6	2	6	6	6	2	2	2	6
	3	4	5	9	7	6	4	4	6	1	4	4	6	8	9	4
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
	4	5	6	6	6	6	7	7	7	7	7	7	8	9	9	0
	8	9	5	7	7	8	1	1	4	4	6	6	1	4	4	2
	0	4	5	3	8	8	1	2	3	4	5	6	2	3	5	3
	*TOTALS															

Nervous System

Brain, Cerebellum	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	46
Brain, Cerebrum	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	47
Peripheral Nerve	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	48
Spinal Cord, Thoracic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	48

Respiratory System

Larynx	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	45
Lung	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	48
Alveolar/Bronchiolar Adenoma	X							X					X	X		X	14
Alveolar/Bronchiolar Adenoma, Multiple		X	X	X		X	X		X		X	X				X	20
Alveolar/Bronchiolar Carcinoma					X			X		X		X	X				8
Alveolar/Bronchiolar Carcinoma, Multiple							X										1
Hemangiosarcoma					X												1
Hepatocellular Carcinoma																	1
Hepatocellular Carcinoma, Metastatic, Liver																	1
Hepatocellular Carcinoma, Multiple, Metastatic, Liver					X												1
Histiocytic Sarcoma														X			1
Leukemia Granulocytic																	1
Sarcoma, Metastatic, Skin																	3
Schwannoma Malignant, Metastatic, Lung																	1
Nose	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	47

* ..Total animals with tissue examined microscopically; Total animals with tumor

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

BLANK ..Not examined microscopically

Experiment Number: 00602-05

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Mouse/B6C3F1/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/18/2014

Time Report Requested: 00:18:33

First Dose M/F: NA / NA

Lab: NCTR

B6C3F1/NCTR Mouse Male 0% ETH/ 90PPMURE	DAY ON TEST																
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
	1	6	6	1	0	4	6	6	2	6	6	6	2	2	2	6	6
ANIMAL ID	3	4	5	9	7	6	4	4	6	1	4	4	6	8	9	4	4
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
	4	5	6	6	6	6	7	7	7	7	7	7	8	9	9	0	1
	8	9	5	7	7	8	8	1	1	4	4	6	6	1	4	4	2
	0	4	5	3	8	8	1	2	3	4	5	6	2	3	5	3	8
*TOTALS																	
Mucosa, Hemangioma	X																1
Trachea	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	46
Special Senses System																	
Eye	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	47
Harderian Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	47
Adenoma		X	X			X	X	X	X	X	X	X	X			X	21
Bilateral, Adenoma				X	X											X	7
Bilateral, Carcinoma																	2
Carcinoma	X							X			X	X	X				14
Lacrimal Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	47
Leukemia Granulocytic																	1
Zymbal's Gland	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	M	45
Urinary System																	
Kidney	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	45
Hemangiosarcoma										X							1
Leukemia Granulocytic																	1
Lymphoma Malignant			X														2
Renal Tubule, Adenoma																	1
Urethra																	1
Urinary Bladder	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	40

SYSTEMIC LESIONS

* ..Total animals with tissue examined microscopically; Total animals with tumor

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

BLANK ..Not examined microscopically

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

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
Test Compound: Urethane + ethanol (combination)
CAS Number: URETHCOMB

Date Report Requested: 10/18/2014
Time Report Requested: 00:18:33
First Dose M/F: NA / NA
Lab: NCTR

		DAY ON TEST																*TOTALS
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
		7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	
		1	6	6	1	0	4	6	6	2	6	6	6	2	2	2	6	
		3	4	5	9	7	6	4	4	6	1	4	4	6	8	9	4	
B6C3F1/NCTR Mouse Male 0% ETH/ 90PPMURE	ANIMAL ID	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	
		4	5	6	6	6	6	7	7	7	7	7	8	9	9	0	1	
		8	9	5	7	7	8	1	1	4	4	6	6	1	4	4	2	
		0	4	5	3	8	8	1	2	3	4	5	6	2	3	5	3	
Multiple Organ		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Histiocytic Sarcoma																X		
Leukemia Granulocytic																		
Lymphoma Malignant			X	X							X							

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

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

Experiment Number: 00602-05

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Mouse/B6C3F1/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/18/2014

Time Report Requested: 00:18:33

First Dose M/F: NA / NA

Lab: NCTR

B6C3F1/NCTR Mouse Male 2.5%ETH/0PPM URE	DAY ON TEST																											
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1	3	4	5	5	5	6	6	6	6	6	6	7	6	7	7	7	7	7	7	7	7	7	7	7	7	7	7
	2	7	7	1	2	8	0	1	5	9	7	1	4	1	7	6	6	6	6	6	6	6	6	6	6	6	6	6
ANIMAL ID	3	3	4	3	7	2	7	4	5	6	5	6	9	2	9	0	4	4	4	4	4	4	1	4	4	4	4	4
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	1	1	1	2	2	2	3	3	3	3	3	4	4	5	5	5	6	6	6	6	7	7	8	8	8	8
	4	9	3	5	5	3	5	9	5	7	7	9	0	3	9	9	3	4	4	4	9	0	7	3	3	3	3	0
	3	7	7	3	6	0	0	5	7	0	3	5	6	9	8	0	1	2	9	0	1	2	7	1	0	1	2	2

Alimentary System

Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Gallbladder	+	A	+	+	A	+	A	+	A	+	+	+	+	+	A	+	+	+	+	+	M	+	+	+	+	M	+	+
Intestine Large, Cecum	A	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Large, Colon	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Large, Rectum	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Small, Duodenum	A	+	+	+	A	+	+	+	A	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Small, Ileum	A	A	+	+	A	+	+	+	A	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Small, Jejunum	A	A	+	+	A	+	+	+	A	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+
Liver	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Hemangiosarcoma														X														
Hepatocellular Adenoma													X		X										X		X	X
Hepatocellular Adenoma, Multiple						X																						
Hepatocellular Carcinoma							X						X											X				
Hepatocellular Carcinoma, Multiple																									X			
Histiocytic Sarcoma																							X					
Lymphoma Malignant																												X
Mesothelioma Malignant, Metastatic, Pancreas																					X							
Sarcoma, Metastatic, Skin											X																	
Pancreas	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Lymphoma Malignant																							X					

* ..Total animals with tissue examined microscopically; Total animals with tumor

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

BLANK ..Not examined microscopically

Species/Strain: Mouse/B6C3F1/NCTR

CAS Number: URETHCOMB

Lab: NCTR

[illegible]

BLANK ..Not examined microscopically

Species/Strain: Mouse/B6C3F1/NCTR

CAS Number: URETHCOMB

Lab: NCTR

B6C3F1/NCTR Mouse Male 2.5%ETH/0PPM URE		DAY ON TEST																														
		ANIMAL ID																														
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
		1	3	4	5	5	5	6	6	6	6	6	6	7	6	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	
		2	7	7	1	2	8	0	1	5	9	7	1	4	1	7	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
		3	3	4	3	7	2	7	4	5	6	5	9	2	9	0	4	4	4	4	4	4	4	1	4	4	4	4	4	4	4	
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
		0	0	1	1	1	2	2	2	3	3	3	3	4	4	5	5	5	6	6	6	6	7	7	8	8	8	8	8	9	9	
		4	9	3	5	5	3	5	9	5	7	7	7	9	0	3	9	9	9	3	4	4	9	0	7	3	3	3	3	0	0	
		3	7	7	3	6	0	0	5	7	0	3	5	6	9	8	0	1	2	9	0	1	2	7	1	0	1	2	8	9	1	2
Parathyroid Gland		M	+	+	+	M	+	+	+	+	+	+	M	+	M	+	M	+	+	+	+	+	+	+	+	+	+	+	M	+	M	
Pituitary Gland		+	+	+	+	+	+	+	+	M	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Pars Distalis, Adenoma																																
Thyroid Gland		+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	
Follicular Cel, Adenoma																																
General Body System																																
Tissue NOS																																
Mesothelioma Malignant, Metastatic, Pancreas																																
Genital System																																
Coagulating Gland		+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	
Epididymis		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Mesothelioma Malignant, Metastatic, Pancreas																																
Preputial Gland		+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	
Sarcoma, Metastatic, Skin																																
Prostate		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	
Seminal Vesicle		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	
Testes		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Hematopoietic System																																
Bone Marrow		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Lymph Node				+								+									+		+		+							

Insufficient tissue

BLANK ..Not examined microscopically

Experiment Number: 00602-05

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Mouse/B6C3F1/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/18/2014

Time Report Requested: 00:18:34

First Dose M/F: NA / NA

Lab: NCTR

B6C3F1/NCTR Mouse Male 2.5%ETH/0PPM URE	DAY ON TEST																											
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1	3	4	5	5	5	6	6	6	6	6	6	7	6	7	7	7	7	7	7	7	7	7	7	7	7	7	7
	2	7	7	1	2	8	0	1	5	9	7	1	4	1	7	6	6	6	6	6	6	6	6	6	6	6	6	6
ANIMAL ID	3	3	4	3	7	2	7	4	5	6	5	9	2	9	0	4	4	4	4	4	4	1	4	4	4	4	4	4
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	1	1	1	2	2	2	3	3	3	3	3	4	4	5	5	5	6	6	6	7	7	8	8	8	8	9
	4	9	3	5	5	3	5	9	5	7	7	9	0	3	9	9	3	4	4	9	0	7	3	3	3	3	0	0
	3	7	7	3	6	0	5	7	0	3	5	6	9	8	0	1	2	9	0	1	2							
Lumbar, Lymphoma Malignant																												X
Renal, Lymphoma Malignant																												X
Renal, Mesothelioma Malignant, Metastatic, Pancreas																												X
Lymph Node, Mandibular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Lymphoma Malignant																												X
Sarcoma, Metastatic, Skin								X																				X
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Lymphoma Malignant																X												X
Mesothelioma Malignant, Metastatic, Pancreas																												X
Spleen	+	+	+	+	A	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Lymphoma Malignant								X								X												X
Mesothelioma Malignant, Metastatic, Pancreas																												X
Thymus	+	+	M	M	+	M	+	+	+	M	+	+	+	M	+	+	M	+	+	M	+	+	+	+	M	M	M	+
Lymphoma Malignant																												X
Integumentary System																												
Mammary Gland	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M
Skin	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Fibroma																												X
Lymphoma Malignant																X												

* ..Total animals with tissue examined microscopically; Total animals with tumor

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

BLANK ..Not examined microscopically

Species/Strain: Mouse/B6C3F1/NCTR

CAS Number: URETHCOMB

Lab: NCTR

[illegible]

1 ..Insufficient tissue

BLANK ..Not examined microscopically

Experiment Number: 00602-05

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Mouse/B6C3F1/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/18/2014

Time Report Requested: 00:18:35

First Dose M/F: NA / NA

Lab: NCTR

B6C3F1/NCTR Mouse Male 2.5%ETH/0PPM URE	DAY ON TEST																											
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1	3	4	5	5	5	6	6	6	6	6	6	7	6	7	7	7	7	7	7	7	7	7	7	7	7	7	7
	2	7	7	1	2	8	0	1	5	9	7	1	4	1	7	6	6	6	6	6	6	6	6	6	6	6	6	6
ANIMAL ID	3	3	4	3	7	2	7	4	5	6	5	9	2	9	0	4	4	4	4	4	4	1	4	4	4	4	4	4
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	1	1	1	2	2	2	3	3	3	3	3	4	4	5	5	5	6	6	6	7	7	8	8	8	8	9
	4	9	3	5	5	3	5	9	5	7	7	9	0	3	9	9	9	3	4	4	9	0	7	3	3	3	3	0
	3	7	7	3	6	0	0	5	7	0	3	5	6	9	8	0	1	2	9	0	1	2	7	1	0	1	2	2
Lymphoma Malignant																												X
Mesothelioma Malignant, Metastatic, Pancreas																					X							
Sarcoma, Metastatic, Skin													X															
Nose	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Trachea	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Special Senses System																												
Eye	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	
Harderian Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Adenoma						X			X									X										
Lacrimal Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Lymphoma Malignant																											X	
Zymbal's Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Urinary System																												
Kidney	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Lymphoma Malignant																											X	
Mesothelioma Malignant, Metastatic, Pancreas																					X							
Urinary Bladder	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
SYSTEMIC LESIONS																												
Multiple Organ	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Histiocytic Sarcoma																											X	

* ..Total animals with tissue examined microscopically; Total animals with tumor

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

BLANK ..Not examined microscopically

Experiment Number: 00602-05

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Mouse/B6C3F1/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/18/2014

Time Report Requested: 00:18:35

First Dose M/F: NA / NA

Lab: NCTR

B6C3F1/NCTR Mouse Male 2.5%ETH/0PPM URE		DAY ON TEST																													
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
		1	3	4	5	5	5	6	6	6	6	6	6	7	6	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
		2	7	7	1	2	8	0	1	5	9	7	1	4	1	7	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
		3	3	4	3	7	2	7	4	5	6	5	9	2	9	0	4	4	4	4	4	4	1	4	4	4	4	4	4	4	4
		ANIMAL ID																													
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
		0	0	1	1	1	2	2	2	3	3	3	3	4	4	5	5	5	6	6	6	7	7	8	8	8	8	8	9	9	
		4	9	3	5	5	3	5	9	5	7	7	9	0	3	9	9	9	3	4	4	9	0	7	3	3	3	3	0	0	
		3	7	7	3	6	0	0	5	7	0	3	5	6	9	8	0	1	2	9	0	1	2	7	1	0	1	2	8	9	2
Lymphoma Malignant		X																													
Mesothelioma Malignant		X																													

* ..Total animals with tissue examined microscopically; Total animals with tumor

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Experiment Number: 00602-05

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Route: DOSED WATER

Species/Strain: Mouse/B6C3F1/NCTR

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Lab: NCTR

B6C3F1/NCTR Mouse Male 2.5%ETH/0PPM URE	DAY ON TEST																
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ANIMAL ID	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1
	9	9	9	9	0	0	0	0	0	0	0	1	1	1	1	1	1
	0	6	6	6	2	2	2	3	7	7	2	2	2	2	9	9	9
	3	6	7	8	7	8	9	0	0	1	2	4	5	6	0	1	2
*TOTALS																	

Alimentary System

Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	48
Gallbladder	M	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	39
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	46
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	47
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	47
Intestine Small, Duodenum	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	43
Intestine Small, Ileum	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	42
Intestine Small, Jejunum	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	42
Liver	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	47
Hemangiosarcoma		X											X				3
Hepatocellular Adenoma					X	X		X			X	X					10
Hepatocellular Adenoma, Multiple		X															2
Hepatocellular Carcinoma											X						5
Hepatocellular Carcinoma, Multiple																	1
Histiocytic Sarcoma																	1
Lymphoma Malignant																	1
Mesothelioma Malignant, Metastatic, Pancreas																	1
Sarcoma, Metastatic, Skin																	1
Pancreas	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	47
Lymphoma Malignant																	1

* ..Total animals with tissue examined microscopically; Total animals with tumor

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

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

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Test Compound: Urethane + ethanol (combination)
 CAS Number: URETHCOMB

Date Report Requested: 10/18/2014
 Time Report Requested: 00:18:35
 First Dose M/F: NA / NA
 Lab: NCTR

B6C3F1/NCTR Mouse Male 2.5%ETH/0PPM URE	DAY ON TEST																	ANIMAL ID		
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7			
	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6			
	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4			
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1			
	9	9	9	9	0	0	0	0	0	0	0	1	1	1	1	1	1			
	0	6	6	6	2	2	2	3	7	7	7	2	2	2	9	9	9			
	3	6	7	8	7	8	9	0	0	1	2	4	5	6	0	1	2			
	*TOTALS																			
Mesothelioma Malignant																				1
Salivary Glands	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			48
Lymphoma Malignant																				1
Sarcoma, Metastatic, Skin																				1
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			47
Lymphoma Malignant																				1
Squamous Cell Carcinoma																				1
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			47
Lymphoma Malignant																				1
Tongue	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			47
Cardiovascular System																				
Blood Vessel	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			48
Heart	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			48
Endocrine System																				
Adrenal Gland, Cortex	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			46
Adenoma																				2
Mesothelioma Malignant, Metastatic, Pancreas																				1
Subcapsular, Adenoma						X														1
Adrenal Gland, Medulla	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			44
Pheochromocytoma Benign										X							X			2
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			47

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

M ..Missing tissue
 A ..Autolysis precludes evaluation
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Experiment Number: 00602-05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: Mouse/B6C3F1/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Test Compound: Urethane + ethanol (combination)
 CAS Number: URETHCOMB

Date Report Requested: 10/18/2014
 Time Report Requested: 00:18:35
 First Dose M/F: NA / NA
 Lab: NCTR

B6C3F1/NCTR Mouse Male 2.5%ETH/0PPM URE	DAY ON TEST																	ANIMAL ID		
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7			
	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6			
	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4			
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1			
	9	9	9	9	0	0	0	0	0	0	0	1	1	1	1	1	1			
	0	6	6	6	2	2	2	3	7	7	7	2	2	2	9	9	9			
	3	6	7	8	7	8	9	0	0	1	2	4	5	6	0	1	2			
Parathyroid Gland	+	+	M	M	+	+	+	+	+	+	+	+	+	M	M	+	+			37
Pituitary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			46
Pars Distalis, Adenoma																	X			1
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			46
Follicular Cel, Adenoma																				1
General Body System																				
Tissue NOS																				1
Mesothelioma Malignant, Metastatic, Pancreas																				1
Genital System																				
Coagulating Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			46
Epididymis	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			48
Mesothelioma Malignant, Metastatic, Pancreas																				1
Preputial Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			46
Sarcoma, Metastatic, Skin																	X			1
Prostate	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+			46
Seminal Vesicle	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			47
Testes	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			48
Hematopoietic System																				
Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			48
Lymph Node																				5

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 + ..Tissue examined microscopically
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Experiment Number: 00602-05

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Mouse/B6C3F1/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

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Date Report Requested: 10/18/2014

Time Report Requested: 00:18:36

First Dose M/F: NA / NA

Lab: NCTR

B6C3F1/NCTR Mouse Male 2.5%ETH/0PPM URE	DAY ON TEST																
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ANIMAL ID	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1
	9	9	9	9	0	0	0	0	0	0	0	1	1	1	1	1	1
	0	6	6	6	2	2	2	3	7	7	2	2	2	2	9	9	9
	3	6	7	8	7	8	9	0	0	1	2	4	5	6	0	1	2
	*TOTALS																
Lumbar, Lymphoma Malignant																	1
Renal, Lymphoma Malignant																	1
Renal, Mesothelioma Malignant, Metastatic, Pancreas																	1
Lymph Node, Mandibular Lymphoma Malignant	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	48
Sarcoma, Metastatic, Skin																	2
Lymph Node, Mesenteric Lymphoma Malignant	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	48
Mesothelioma Malignant, Metastatic, Pancreas		X									X					X	9
Spleen Lymphoma Malignant	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	46
Mesothelioma Malignant, Metastatic, Pancreas		X															7
Thymus Lymphoma Malignant	+	+	M	M	+	+	+	+	+	+	+	+	+	+	M	+	35
Integumentary System																	1
Mammary Gland	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	0
Skin Fibroma	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	48
Lymphoma Malignant								X									2
																	1

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+ ..Tissue examined microscopically

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Experiment Number: 00602-05

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Mouse/B6C3F1/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/18/2014

Time Report Requested: 00:18:36

First Dose M/F: NA / NA

Lab: NCTR

B6C3F1/NCTR Mouse Male 2.5%ETH/0PPM URE	DAY ON TEST																
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ANIMAL ID	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1
	9	9	9	9	0	0	0	0	0	0	0	1	1	1	1	1	1
	0	6	6	6	2	2	2	3	7	7	2	2	2	2	9	9	9
	3	6	7	8	7	8	9	0	0	1	2	4	5	6	0	1	2
	*TOTALS																
Rhabdomyosarcoma, Metastatic, Skeletal Muscle																	
Sarcoma																	
Musculoskeletal System																	
Bone	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Skeletal Muscle	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Fibrosarcoma																	
Rhabdomyosarcoma																	
Sarcoma, Metastatic, Skin																	
Nervous System																	
Brain, Cerebellum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Brain, Cerebrum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Peripheral Nerve	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Spinal Cord, Thoracic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Respiratory System																	
Larynx	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Lung	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Alveolar/Bronchiolar Adenoma																	
Alveolar/Bronchiolar Adenoma, Multiple																	
Alveolar/Bronchiolar Carcinoma																	
Hepatocellular Carcinoma, Metastatic, Liver																	

* ..Total animals with tissue examined microscopically; Total animals with tumor

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

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Species/Strain: Mouse/B6C3F1/NCTR

CAS Number: URETHCOMB

Lab: NCTR

B6C3F1/NCTR Mouse Male 2.5%ETH/0PPM URE		DAY ON TEST																*TOTALS
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
		7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	
		6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	
ANIMAL ID		4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
		0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	
		9	9	9	9	0	0	0	0	0	0	1	1	1	1	1	1	
		0	6	6	6	2	2	3	7	7	7	2	2	2	9	9	9	
		3	6	7	8	7	8	9	0	0	1	2	4	5	6	0	2	
Lymphoma Malignant		X								X								11
Mesothelioma Malignant																		1

BLANK ..Not examined microscopically

Experiment Number: 00602-05

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Mouse/B6C3F1/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/18/2014

Time Report Requested: 00:18:37

First Dose M/F: NA / NA

Lab: NCTR

B6C3F1/NCTR Mouse Male 2.5%ETH/10PPMURE	DAY ON TEST																											
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3	3	4	5	6	6	6	6	6	6	7	6	6	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
	0	8	6	2	2	3	1	7	8	2	1	5	2	3	6	6	6	6	6	6	1	1	6	6	6	6	6	6
ANIMAL ID	5	2	6	3	0	8	7	5	1	2	0	5	8	9	5	5	4	4	4	4	3	8	4	4	4	4	4	4
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	1	1	2	2	2	3	3	3	3	3	3	4	5	5	5	5	6	6	6	6	7	7	7	7	7	8
	7	9	3	7	3	5	9	3	4	6	7	9	5	1	1	7	7	3	3	7	9	9	0	0	5	5	6	2
	6	9	5	4	3	1	0	0	8	8	7	5	1	6	7	8	9	1	2	5	1	9	0	1	8	9	0	3
Alveolar/Bronchiolar Carcinoma, Metastatic, Lung						X																						
Mesothelioma Nos																												
Pancreas	+	A	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Alveolar/Bronchiolar Carcinoma, Metastatic, Lung						X																						
Hemangiosarcoma														X														
Mesothelioma Nos, Metastatic, Mesentery																												
Salivary Glands	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Stomach, Forestomach	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Squamous Cell Papilloma						X																X						
Stomach, Glandular	+	A	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Tongue	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Cardiovascular System																												
Blood Vessel	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Heart	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Alveolar/Bronchiolar Carcinoma, Metastatic, Lung						X																						
Mesothelioma Nos, Metastatic, Mesentery																												
Endocrine System																												
Adrenal Gland, Cortex	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	M	+
Adenoma																												
Adrenal Gland, Medulla	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	M	+

* ..Total animals with tissue examined microscopically; Total animals with tumor

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

BLANK ..Not examined microscopically

Experiment Number: 00602-05

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Mouse/B6C3F1/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/18/2014

Time Report Requested: 00:18:37

First Dose M/F: NA / NA

Lab: NCTR

B6C3F1/NCTR Mouse Male 2.5%ETH/10PPMURE		DAY ON TEST	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
		3	3	4	5	6	6	6	6	6	6	7	6	6	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	
		0	8	6	2	2	3	1	7	8	2	1	5	2	3	6	6	6	6	6	6	1	1	6	6	6	6	6	6	6	6	6	6	
		5	2	6	3	0	8	7	5	1	2	0	5	8	9	5	5	4	4	4	4	4	3	8	4	4	4	4	4	4	4	4	4	
ANIMAL ID		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
		0	0	1	1	2	2	2	3	3	3	3	3	3	4	5	5	5	5	6	6	6	6	6	7	7	7	7	7	7	7	8	8	8
		7	9	3	7	3	5	9	3	3	4	6	7	9	5	1	1	7	7	3	3	7	9	9	0	0	5	5	6	6	6	2	2	2
		6	9	5	4	3	1	0	0	8	8	7	7	5	1	6	7	8	9	1	2	5	1	9	0	1	8	9	0	1	2	3	3	3

Hematopoietic System

Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Histiocytic Sarcoma																																		
Lymph Node								+			+																							
Mediastinal, Sarcoma, Metastatic, Skin								X																										
Renal, Lymphoma Malignant																																		
Thoracic, Lymphoma Malignant																																		
Lymph Node, Mandibular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Histiocytic Sarcoma																																		
Lymphoma Malignant																																		
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Histiocytic Sarcoma								X																										
Lymphoma Malignant																																		
Mesothelioma Nos, Metastatic, Mesentery																																		
Spleen	+	A	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Histiocytic Sarcoma								X																										
Lymphoma Malignant																																		
Thymus	+	+	A	+	+	M	M	M	+	+	M	+	+	+	M	M	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	M	+	M
Alveolar/Bronchiolar Carcinoma, Metastatic, Lung								X																										
Lymphoma Malignant																																		

Integumentary System

* ..Total animals with tissue examined microscopically; Total animals with tumor

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

BLANK ..Not examined microscopically

Experiment Number: 00602-05

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Mouse/B6C3F1/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/18/2014

Time Report Requested: 00:18:37

First Dose M/F: NA / NA

Lab: NCTR

B6C3F1/NCTR Mouse Male 2.5%ETH/10PPMURE	DAY ON TEST																											
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3	3	4	5	6	6	6	6	6	6	7	6	6	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
	0	8	6	2	2	3	1	7	8	2	1	5	2	3	6	6	6	6	6	6	1	1	6	6	6	6	6	6
ANIMAL ID	5	2	6	3	0	8	7	5	1	2	0	5	8	9	5	5	4	4	4	4	3	8	4	4	4	4	4	4
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	1	1	2	2	2	3	3	3	3	3	3	4	5	5	5	5	6	6	6	6	6	7	7	7	7	7
	7	9	3	7	3	5	9	3	3	4	6	7	9	5	1	1	7	7	3	3	7	9	9	0	0	5	5	6
	6	9	5	4	3	1	0	0	8	8	7	5	1	6	7	8	9	1	2	5	1	9	0	1	8	9	0	1
Mammary Gland	M	M	M	M	M	M	M	M	M	M	M	+	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M
Skin	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Basal Cell Adenoma																												
Fibroma																												
Prepuce, Fibroma																												
Sarcoma								X	X			X		X		X						X			X			
Sarcoma, Multiple																												
Squamous Cell Carcinoma																												
Tail, Fibroma																												
Musculoskeletal System																												
Bone	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Skeletal Muscle	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Alveolar/Bronchiolar Carcinoma, Metastatic, Lung																												
Nervous System																												
Brain, Cerebellum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Brain, Cerebrum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Oligodendroglioma Malignant																												
Peripheral Nerve	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Spinal Cord, Thoracic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Respiratory System																												

* ..Total animals with tissue examined microscopically; Total animals with tumor

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

BLANK ..Not examined microscopically

Experiment Number: 00602-05

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Mouse/B6C3F1/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/18/2014

Time Report Requested: 00:18:38

First Dose M/F: NA / NA

Lab: NCTR

B6C3F1/NCTR Mouse Male 2.5%ETH/10PPMURE	DAY ON TEST		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
			3	3	4	5	6	6	6	6	6	7	6	6	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	
			0	8	6	2	2	3	1	7	8	2	1	5	2	3	6	6	6	6	6	6	1	1	6	6	6	6	6	6	6	6	6	6
			5	2	6	3	0	8	7	5	1	2	0	5	8	9	5	5	4	4	4	4	3	8	4	4	4	4	4	4	4	4	4	4
	ANIMAL ID		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
		0	0	1	1	2	2	2	3	3	3	3	3	3	4	5	5	5	5	6	6	6	6	6	7	7	7	7	7	7	7	8	8	
		7	9	3	7	3	5	9	3	3	4	6	7	9	5	1	1	7	7	3	3	7	9	9	0	0	5	5	6	6	2	2	2	
		6	9	5	4	3	1	0	0	8	8	7	7	5	1	6	7	8	9	1	2	5	1	9	0	1	8	9	0	1	8	9	0	1
Larynx		+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Lung		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Alveolar/Bronchiolar Adenoma										X							X	X	X	X			X						X		X			
Alveolar/Bronchiolar Adenoma, Multiple																																		
Alveolar/Bronchiolar Carcinoma							X								X														X					
Hepatocellular Carcinoma, Metastatic, Liver						X																												
Histiocytic Sarcoma																							X											
Mesothelioma Nos, Metastatic, Mesentery																																		
Nose		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Trachea		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Special Senses System																																		
Eye		+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Alveolar/Bronchiolar Carcinoma, Metastatic, Lung							X																											
Harderian Gland		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Adenoma													X		X			X			X			X			X	X						
Bilateral, Adenoma																															X			
Lacrimal Gland		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Zymbal's Gland		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	
Urinary System																																		
Kidney		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	

* ..Total animals with tissue examined microscopically; Total animals with tumor

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Experiment Number: 00602-05

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Species/Strain: Mouse/B6C3F1/NCTR

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B6C3F1/NCTR Mouse Male 2.5%ETH/10PPMURE		DAY ON TEST																														
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
		3	3	4	5	6	6	6	6	6	6	7	6	6	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	
		0	8	6	2	2	3	1	7	8	2	1	5	2	3	6	6	6	6	6	6	1	1	6	6	6	6	6	6	6	6	6
ANIMAL ID		5	2	6	3	0	8	7	5	1	2	0	5	8	9	5	5	4	4	4	4	3	8	4	4	4	4	4	4	4	4	4
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	0	1	1	2	2	2	3	3	3	3	3	3	3	4	5	5	5	5	6	6	6	6	6	7	7	7	7	7	8	8
		7	9	3	7	3	5	9	3	3	4	6	7	9	5	1	1	7	7	3	3	7	9	9	0	0	5	5	6	6	6	2
		6	9	5	4	3	1	0	0	8	8	7	7	5	1	6	7	8	9	1	2	5	1	9	0	1	8	9	0	1	2	3
Alveolar/Bronchiolar Carcinoma, Metastatic, Lung		X																														
Histiocytic Sarcoma																																
Lymphoma Malignant																																
Urinary Bladder		+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	
Histiocytic Sarcoma		X																														
SYSTEMIC LESIONS																																
Multiple Organ		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Histiocytic Sarcoma		X																														
Lymphoma Malignant		X																														
Mesothelioma Nos		X																														

* ..Total animals with tissue examined microscopically; Total animals with tumor

+ ..Tissue examined microscopically

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Experiment Number: 00602-05

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Mouse/B6C3F1/NCTR

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First Dose M/F: NA / NA

Lab: NCTR

B6C3F1/NCTR Mouse Male 2.5%ETH/10PPMURE	DAY ON TEST																
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ANIMAL ID	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
	6	4	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
	4	3	4	4	4	4	4	4	4	4	4	4	0	4	4	4	4
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1
	8	8	8	9	9	9	0	0	0	0	0	1	1	1	1	1	1
	2	8	9	5	5	5	1	1	1	1	6	0	1	1	7	7	7
	4	0	4	6	7	8	3	4	5	6	2	8	3	4	6	7	8
*TOTALS																	

Alimentary System

Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	48
Gallbladder	+	M	+	+	+	+	+	M	+	+	+	+	+	+	+	+	41
Intestine Large, Cecum	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	40
Intestine Large, Colon	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	43
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	47
Intestine Small, Duodenum	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	42
Intestine Small, Ileum	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	42
Lymphoma Malignant				X													1
Intestine Small, Jejunum	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	41
Histiocytic Sarcoma																	1
Lymphoma Malignant						X											1
Liver	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	48
Hemangiosarcoma														X			4
Hepatocellular Adenoma	X		X	X				X		X					X	X	13
Hepatocellular Adenoma, Multiple																	2
Hepatocellular Carcinoma								X		X							3
Hepatocellular Carcinoma, Multiple													X				2
Histiocytic Sarcoma		X															4
Lymphoma Malignant						X				X							2
Mesentery											+						3

* ..Total animals with tissue examined microscopically; Total animals with tumor

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

BLANK ..Not examined microscopically

Experiment Number: 00602-05

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Mouse/B6C3F1/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/18/2014

Time Report Requested: 00:18:38

First Dose M/F: NA / NA

Lab: NCTR

B6C3F1/NCTR Mouse Male 2.5%ETH/10PPMURE	DAY ON TEST																
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ANIMAL ID	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
	6	4	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
	4	3	4	4	4	4	4	4	4	4	4	0	4	4	4	4	4
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1
	8	8	8	9	9	9	0	0	0	0	0	1	1	1	1	1	1
	2	8	9	5	5	5	1	1	1	1	6	0	1	1	7	7	7
	4	0	4	6	7	8	3	4	5	6	2	8	3	4	6	7	8
	*TOTALS																
Alveolar/Bronchiolar Carcinoma, Metastatic, Lung																	
Mesothelioma Nos																	
Pancreas	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Alveolar/Bronchiolar Carcinoma, Metastatic, Lung																	
Hemangiosarcoma																	
Mesothelioma Nos, Metastatic, Mesentery																	
Salivary Glands	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Squamous Cell Papilloma																	
Stomach, Glandular	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Tongue	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Cardiovascular System																	
Blood Vessel	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Heart	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Alveolar/Bronchiolar Carcinoma, Metastatic, Lung																	
Mesothelioma Nos, Metastatic, Mesentery																	
Endocrine System																	
Adrenal Gland, Cortex	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Adenoma																	
Adrenal Gland, Medulla	+	+	+	+	M	M	+	+	+	+	+	+	+	+	+	+	+

* ..Total animals with tissue examined microscopically; Total animals with tumor

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

BLANK ..Not examined microscopically

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

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Test Compound: Urethane + ethanol (combination)
 CAS Number: URETHCOMB

Date Report Requested: 10/18/2014
 Time Report Requested: 00:18:38
 First Dose M/F: NA / NA
 Lab: NCTR

B6C3F1/NCTR Mouse Male 2.5%ETH/10PPMURE	DAY ON TEST																	ANIMAL ID		
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7			
	6	4	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6			
	4	3	4	4	4	4	4	4	4	4	4	4	0	4	4	4	4			
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1			
	8	8	8	9	9	9	0	0	0	0	0	1	1	1	1	1	1			
	2	8	9	5	5	5	1	1	1	1	6	0	1	1	7	7	7			
	4	0	4	6	7	8	3	4	5	6	2	8	3	4	6	7	8			
Adrenal Gland, Medulla	+	+	+	+	M	M	+	+	+	+	+	+	+	+	+	+	+			42
Pheochromocytoma Benign	X																			2
Islets, Pancreatic	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			45
Parathyroid Gland	M	+	+	+	+	+	+	M	+	M	M	M	+	+	+	+	+			40
Pituitary Gland	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+			42
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			48
Follicular Cel, Adenoma																				2
General Body System																				
NONE																				
Genital System																				
Coagulating Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			48
Mesothelioma Nos, Metastatic, Mesentery												X								1
Epididymis	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			48
Mesothelioma Nos, Metastatic, Mesentery												X								1
Preputial Gland	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+			45
Adenoma																				1
Prostate	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			47
Lymphoma Malignant						X														2
Seminal Vesicle	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			48
Mesothelioma Nos, Metastatic, Mesentery												X								1
Testes	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			48

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

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

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

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Test Compound: Urethane + ethanol (combination)
 CAS Number: URETHCOMB

Date Report Requested: 10/18/2014
 Time Report Requested: 00:18:39
 First Dose M/F: NA / NA
 Lab: NCTR

B6C3F1/NCTR Mouse Male 2.5%ETH/10PPMURE	DAY ON TEST																	ANIMAL ID	
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
		7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7		
		6	4	6	6	6	6	6	6	6	6	6	6	6	6	6	6		
		4	3	4	4	4	4	4	4	4	4	4	0	4	4	4	4		
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
		0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1		
		8	8	8	9	9	9	0	0	0	0	1	1	1	1	1	1		
		2	8	9	5	5	5	1	1	1	6	0	1	1	7	7	7		
		4	0	4	6	7	8	3	4	5	6	2	8	3	4	6	7		
		*TOTALS																	

Hematopoietic System

Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		48
Histiocytic Sarcoma		X																	1
Lymph Node													+						3
Mediastinal, Sarcoma, Metastatic, Skin																			1
Renal, Lymphoma Malignant														X					2
Thoracic, Lymphoma Malignant																			1
Lymph Node, Mandibular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		48
Histiocytic Sarcoma		X																	2
Lymphoma Malignant						X													2
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		48
Histiocytic Sarcoma		X																	4
Lymphoma Malignant				X		X								X					4
Mesothelioma Nos, Metastatic, Mesentery												X							1
Spleen	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		46
Histiocytic Sarcoma		X																	3
Lymphoma Malignant						X				X									4
Thymus	M	+	M	+	+	+	+	M	+	+	M	+	+	M	+	M	+		32
Alveolar/Bronchiolar Carcinoma, Metastatic, Lung																			1
Lymphoma Malignant									X										1

Integumentary System

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

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

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

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Test Compound: Urethane + ethanol (combination)
 CAS Number: URETHCOMB

Date Report Requested: 10/18/2014
 Time Report Requested: 00:18:39
 First Dose M/F: NA / NA
 Lab: NCTR

B6C3F1/NCTR Mouse Male 2.5%ETH/10PPMURE	DAY ON TEST																	ANIMAL ID		
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7			
	6	4	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6			
	4	3	4	4	4	4	4	4	4	4	4	4	4	0	4	4	4			
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1			
	8	8	8	9	9	9	0	0	0	0	0	1	1	1	1	1	1			
	2	8	9	5	5	5	1	1	1	1	6	0	1	1	7	7	7			
	4	0	4	6	7	8	3	4	5	6	2	8	3	4	6	7	8			
Mammary Gland	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	+	M		2
Skin	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			48
Basal Cell Adenoma																				1
Fibroma						X				X										3
Prepuce, Fibroma																	X			1
Sarcoma																				9
Sarcoma, Multiple	X																			1
Squamous Cell Carcinoma							X													1
Tail, Fibroma																				1
Musculoskeletal System																				
Bone	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			48
Skeletal Muscle	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			48
Alveolar/Bronchiolar Carcinoma, Metastatic, Lung																				1
Nervous System																				
Brain, Cerebellum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			48
Brain, Cerebrum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			48
Oligodendroglioma Malignant																				1
Peripheral Nerve	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			48
Spinal Cord, Thoracic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			48
Respiratory System																				

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

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

Experiment Number: 00602-05

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Mouse/B6C3F1/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/18/2014

Time Report Requested: 00:18:39

First Dose M/F: NA / NA

Lab: NCTR

B6C3F1/NCTR Mouse Male 2.5%ETH/10PPMURE	DAY ON TEST																	ANIMAL ID		
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7			
	6	4	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6			
	4	3	4	4	4	4	4	4	4	4	4	0	4	4	4	4	4			
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1			
	8	8	8	9	9	9	0	0	0	0	0	1	1	1	1	1	1			
	2	8	9	5	5	5	1	1	1	1	6	0	1	1	7	7	7			
	4	0	4	6	7	8	3	4	5	6	2	8	3	4	6	7	8			
Larynx	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			47
Lung	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			48
Alveolar/Bronchiolar Adenoma						X			X	X	X	X					X			14
Alveolar/Bronchiolar Adenoma, Multiple				X	X															2
Alveolar/Bronchiolar Carcinoma																				3
Hepatocellular Carcinoma, Metastatic, Liver																				1
Histiocytic Sarcoma			X																	2
Mesothelioma Nos, Metastatic, Mesentery												X								1
Nose	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			48
Trachea	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			48
Special Senses System																				
Eye	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			47
Alveolar/Bronchiolar Carcinoma, Metastatic, Lung																				1
Harderian Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			48
Adenoma	X		X						X							X	X	X		13
Bilateral, Adenoma																				1
Lacrimal Gland	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+			47
Zymbal's Gland	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+			45
Urinary System																				
Kidney	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			48

* ..Total animals with tissue examined microscopically; Total animals with tumor

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

BLANK ..Not examined microscopically

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

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Test Compound: Urethane + ethanol (combination)
 CAS Number: URETHCOMB

Date Report Requested: 10/18/2014
 Time Report Requested: 00:18:39
 First Dose M/F: NA / NA
 Lab: NCTR

DAY ON TEST		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
B6C3F1/NCTR Mouse Male		7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
2.5%ETH/10PPMURE		6	4	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
ANIMAL ID		4	3	4	4	4	4	4	4	4	4	4	4	0	4	4	4	4	4
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1
		8	8	8	9	9	9	0	0	0	0	0	1	1	1	1	1	1	1
		2	8	9	5	5	5	1	1	1	1	6	0	1	1	7	7	7	7
		4	0	4	6	7	8	3	4	5	6	2	8	3	4	6	7	8	8
		*TOTALS																	
Alveolar/Bronchiolar Carcinoma, Metastatic, Lung																			1
Histiocytic Sarcoma			X																1
Lymphoma Malignant										X									1
Urinary Bladder		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	46
Histiocytic Sarcoma																			1
SYSTEMIC LESIONS																			
Multiple Organ		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	48
Histiocytic Sarcoma			X																4
Lymphoma Malignant					X		X			X				X					6
Mesothelioma Nos												X							1

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

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

Experiment Number: 00602-05

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Mouse/B6C3F1/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/18/2014

Time Report Requested: 00:18:39

First Dose M/F: NA / NA

Lab: NCTR

B6C3F1/NCTR Mouse Male 2.5%ETH/30PPMURE	DAY ON TEST																											
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1	1	1	2	3	4	4	5	5	5	6	6	6	6	6	7	7	7	6	7	7	7	7	7	7	7	7	7
	4	4	3	6	2	6	6	8	4	3	3	5	0	5	2	4	1	3	3	7	6	6	6	6	4	1	0	4
ANIMAL ID	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	1	1	1	1	2	2	2	3	3	3	4	4	5	5	5	5	5	5	5	6	6	7	7
	4	4	5	7	8	0	2	4	7	1	8	8	0	7	8	9	0	3	0	1	2	2	8	8	2	7	0	5
	1	5	6	2	3	6	2	5	8	4	3	5	3	6	2	7	4	7	7	2	6	7	8	8	9	6	1	6

Alimentary System

Esophagus	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Gallbladder	+	+	+	A	+	+	A	+	+	+	+	+	A	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+
Lymphoma Malignant													X															
Intestine Large, Cecum	+	+	+	+	+	+	A	+	+	+	A	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Lymphoma Malignant																			X									
Intestine Large, Colon	+	+	+	+	+	+	A	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Small, Duodenum	+	A	+	A	+	A	A	+	+	+	+	+	A	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+
Lymphoma Malignant													X						X									
Intestine Small, Ileum	+	+	+	A	+	A	A	+	+	+	+	+	A	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+
Histiocytic Sarcoma												X																
Lymphoma Malignant																X												
Intestine Small, Jejunum	+	A	+	A	+	+	A	+	+	+	+	+	A	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+
Lymphoma Malignant													X															
Liver	+	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Hemangiosarcoma																X												
Hepatocellular Adenoma								X								X		X				X		X				
Hepatocellular Adenoma, Multiple																	X						X			X	X	
Hepatocellular Carcinoma																	X							X		X		
Histiocytic Sarcoma									X		X													X				
Lymphoma Malignant														X		X												

* ..Total animals with tissue examined microscopically; Total animals with tumor

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

BLANK ..Not examined microscopically

Experiment Number: 00602-05

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Mouse/B6C3F1/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/18/2014

Time Report Requested: 00:18:40

First Dose M/F: NA / NA

Lab: NCTR

B6C3F1/NCTR Mouse Male 2.5%ETH/30PPMURE	DAY ON TEST																												
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1	1	1	2	3	4	4	5	5	5	6	6	6	6	6	7	7	7	6	7	7	7	7	7	7	7	7	7	7
	4	4	3	6	2	6	6	8	4	3	3	5	0	5	2	4	1	3	3	7	6	6	6	6	4	4	1	0	4
ANIMAL ID	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	1	1	1	1	2	2	2	3	3	3	4	4	5	5	5	5	5	5	5	6	6	7	7	8
	4	4	5	7	8	0	2	4	7	1	8	8	0	7	8	9	0	3	0	1	2	2	8	8	2	7	0	5	1
	1	5	6	2	3	6	2	5	8	4	3	5	3	6	2	7	4	7	7	2	6	7	8	8	9	6	1	6	1
	Mesentery																												
	Histiocytic Sarcoma																												
	Sarcoma																												
Pancreas	+	+	+	+	+	+	+	+	+	+	+		A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Lymphoma Malignant																													
Salivary Glands	+	+	+	+	+	+	+	M	+	+	+		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Lymphoma Malignant																													
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	+		A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Squamous Cell Papilloma																													
Stomach, Glandular	+	+	+	A	+	+	+	+	+	+	+		A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Tongue	+	+	+	M	+	+	+	+	+	+	+		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Cardiovascular System																													
Blood Vessel	+	+	+	+	+	+	+	+	+	+	+		+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+
Heart	+	+	+	+	+	+	+	+	+	+	+		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Hemangiosarcoma																													
Endocrine System																													
Adrenal Gland, Cortex	+	+	+	+	+	+	+	+	+	+	+		M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Histiocytic Sarcoma																													
Subcapsular, Adenoma																													
Adrenal Gland, Medulla	+	+	+	+	+	+	+	+	+	+	+		M	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+
Histiocytic Sarcoma																													
Pheochromocytoma Benign																													

* ..Total animals with tissue examined microscopically; Total animals with tumor

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

BLANK ..Not examined microscopically

Experiment Number: 00602-05

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Mouse/B6C3F1/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/18/2014

Time Report Requested: 00:18:40

First Dose M/F: NA / NA

Lab: NCTR

B6C3F1/NCTR Mouse Male 2.5%ETH/30PPMURE	DAY ON TEST																											
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1	1	1	2	3	4	4	5	5	5	6	6	6	6	6	7	7	7	6	7	7	7	7	7	7	7	7	7
	4	4	3	6	2	6	6	8	4	3	3	5	0	5	2	4	1	3	3	7	6	6	6	6	4	1	0	4
ANIMAL ID	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	1	1	1	1	2	2	2	3	3	3	4	4	5	5	5	5	5	5	5	6	6	7	7
	4	4	5	7	8	0	2	4	7	1	8	8	0	7	8	9	0	3	0	1	2	2	8	8	2	7	0	5
General Body System	1	5	6	2	3	6	2	5	8	4	3	5	3	6	2	7	4	7	2	6	7	8	9	6	1	6	1	2
	Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
	Parathyroid Gland	+	+	+	M	+	+	+	+	+	+	+	+	+	+	M	M	+	+	+	+	+	+	+	+	+	+	+
	Pituitary Gland	+	+	+	+	+	+	+	+	M	M		A	+	+	M	+	+	+	M	+	+	+	+	+	M	+	+
Genital System	Thyroid Gland	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
	Follicular Cel, Adenoma																											
	NONE																											
	Coagulating Gland	+	+	+	+	M	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
	Lymphoma Malignant															X												
	Epididymis	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
	Hemangioma																								X			
	Histiocytic Sarcoma																											
	Lymphoma Malignant															X												
	Mesothelioma Malignant																											
	Penis	+						+																				
	Preputial Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+
	Hemangioma																									X		
	Hemangiosarcoma																											
	Lymphoma Malignant															X												
	Prostate	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
	Lymphoma Malignant															X												

* ..Total animals with tissue examined microscopically; Total animals with tumor

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

BLANK ..Not examined microscopically

Experiment Number: 00602-05

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Mouse/B6C3F1/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/18/2014

Time Report Requested: 00:18:40

First Dose M/F: NA / NA

Lab: NCTR

B6C3F1/NCTR Mouse Male 2.5%ETH/30PPMURE	DAY ON TEST																											
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1	1	1	2	3	4	4	5	5	5	6	6	6	6	6	7	7	7	6	7	7	7	7	7	7	7	7	7
	4	4	3	6	2	6	6	8	4	3	3	5	0	5	2	4	1	3	3	7	6	6	6	6	4	4	1	0
ANIMAL ID	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	1	1	1	1	2	2	2	3	3	3	4	4	5	5	5	5	5	5	5	6	6	7	7
	4	4	5	7	8	0	2	4	7	1	8	8	0	7	8	9	0	3	0	1	2	2	8	8	2	7	0	5
	1	5	6	2	3	6	2	5	8	4	3	5	3	6	2	7	7	2	6	7	8	8	9	6	1	6	1	2
Seminal Vesicle	+	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Lymphoma Malignant														X		X												
Sarcoma, Metastatic, Mesentery																			X									
Testes	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Bilateral, Lipoma																								X				
Hematopoietic System																												
Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Histiocytic Sarcoma										X		X																
Lymphoma Malignant																		X										
Lymph Node																+	+											
Axillary, Lymphoma Malignant																		X										
Inguinal, Lymphoma Malignant																X	X											
Lumbar, Lymphoma Malignant																X												
Renal, Lymphoma Malignant																X	X											
Squamous Cell Carcinoma, Metastatic, Skin																												
Lymph Node, Mandibular	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+
Histiocytic Sarcoma												X																
Lymphoma Malignant																X	X											
Lymph Node, Mesenteric	+	+	+	+	+	+	M	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Histiocytic Sarcoma										X	X								X						X			
Lymphoma Malignant																X	X					X						X
Spleen	+	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+

* ..Total animals with tissue examined microscopically; Total animals with tumor

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

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BLANK ..Not examined microscopically

Experiment Number: 00602-05

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Mouse/B6C3F1/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/18/2014

Time Report Requested: 00:18:41

First Dose M/F: NA / NA

Lab: NCTR

B6C3F1/NCTR Mouse Male 2.5%ETH/30PPMURE	DAY ON TEST																											
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1	1	1	2	3	4	4	5	5	5	6	6	6	6	6	7	7	7	6	7	7	7	7	7	7	7	7	7
	1	5	2	4	6	2	3	2	1	9	6	3	4	5	4	8	1	3	3	7	6	6	6	6	4	1	1	6
ANIMAL ID	4	4	3	6	2	6	6	8	4	3	3	5	0	5	2	4	1	3	4	4	5	5	5	4	4	1	0	4
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	1	1	1	1	2	2	2	3	3	3	3	4	4	5	5	5	5	5	5	5	6	6	7
	4	4	5	7	8	0	2	4	7	1	8	8	0	7	8	9	0	3	0	1	2	2	8	8	2	7	0	5
	1	5	6	2	3	6	2	5	8	4	3	5	3	6	2	7	4	7	7	2	6	7	8	9	6	1	6	1
Hemangioma																												
Hemangiosarcoma																												
Histiocytic Sarcoma										X		X																
Lymphoma Malignant																												
Thymus	M	M	+	M	+	M	+	M	+	M	+		+	+	M	+	M	+	+	+	+	+	+	M	+	+	+	M
Lymphoma Malignant																												
Integumentary System																												
Mammary Gland	M	M	M	M	M	M	M	M	M	M	M		M	M	M	+	M	M	M	M	M	M	M	+	M	M	M	M
Skin	+	+	+	+	+	+	+	+	+	+	+		+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+
Fibroma, Multiple																												
Hemangiosarcoma																												
Sarcoma					X	X		X		X																		
Sarcoma, Multiple																												
Squamous Cell Carcinoma																												
Squamous Cell Papilloma																												
Musculoskeletal System																												
Bone	+	+	+	+	+	+	+	+	+	+	+		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Skeletal Muscle	+	+	+	+	+	+	+	+	+	+	+		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Lymphoma Malignant																												
Nervous System																												
Brain, Cerebellum	+	+	+	+	+	+	+	+	+	+	+		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+

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Experiment Number: 00602-05

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Mouse/B6C3F1/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

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First Dose M/F: NA / NA

Lab: NCTR

B6C3F1/NCTR Mouse Male 2.5%ETH/30PPMURE	DAY ON TEST																											
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1	1	1	2	3	4	4	5	5	5	6	6	6	6	6	7	7	7	6	7	7	7	7	7	7	7	7	7
	4	4	3	6	2	6	6	8	4	3	3	5	0	5	2	4	1	3	3	7	6	6	6	6	4	1	0	4
ANIMAL ID	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	1	1	1	1	2	2	2	3	3	3	3	4	4	5	5	5	5	5	5	6	6	7	7
	4	4	5	7	8	0	2	4	7	1	8	8	0	7	8	9	0	3	0	1	2	2	8	8	2	7	0	5
	1	5	6	2	3	6	2	5	8	4	3	5	3	6	2	7	4	7	7	2	6	7	8	8	9	6	1	6
Brain, Cerebrum	+	+	+	+	+	+	+	+	+	+	+		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Peripheral Nerve	+	+	+	+	+	+	+	+	+	+	+		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Spinal Cord, Thoracic	+	+	+	+	+	+	+	+	+	+	+		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Respiratory System																												
Larynx	+	+	+	M	+	+	+	+	+	+	+		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Lung	+	+	+	+	+	+	+	+	+	+	+		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Alveolar/Bronchiolar Adenoma																X			X			X					X	
Alveolar/Bronchiolar Adenoma, Multiple										X						X			X			X					X	
Alveolar/Bronchiolar Carcinoma													X			X					X			X				
Alveolar/Bronchiolar Carcinoma, Multiple																												
Hepatocellular Carcinoma, Metastatic, Liver																		X										
Histiocytic Sarcoma									X		X														X			
Lymphoma Malignant														X		X												
Nose	+	+	+	+	+	+	+	+	+	+	+		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Lymphoma Malignant																X												
Trachea	+	+	+	M	+	+	+	+	+	+	+		+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+
Special Senses System																												
Ear																											+	
Eye	+	+	+	+	+	+	+	+	+	+	+		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Harderian Gland	+	+	+	+	+	+	+	+	+	+	+		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Adenoma						X					X			X			X			X	X		X			X	X	X
Bilateral, Adenoma																				X								

* ..Total animals with tissue examined microscopically; Total animals with tumor

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

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Experiment Number: 00602-05

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Mouse/B6C3F1/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

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/30PPMURE	DAY ON TEST																											
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1	1	1	2	3	4	4	5	5	5	6	6	6	6	6	7	7	7	6	7	7	7	7	7	7	7	7	7
	4	4	3	6	2	6	6	8	4	3	3	5	0	5	2	4	1	3	3	7	6	5	5	4	4	1	0	4
ANIMAL ID	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	1	1	1	1	2	2	2	3	3	3	4	4	5	5	5	5	5	5	5	6	6	7	7
	4	4	5	7	8	0	2	4	7	1	8	8	0	7	8	9	0	3	0	1	2	2	8	8	2	7	0	5
	1	5	6	2	3	6	2	5	8	4	3	5	3	6	2	7	4	7	2	6	7	8	8	9	6	1	6	1
Carcinoma																												
Lymphoma Malignant																												
Lacrimal Gland	+	+	+	+	+	+	+	M	+	+	+		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Lymphoma Malignant																												
Zymbal's Gland	+	+	+	+	+	+	+	+	+	+	+		+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+
Sarcoma, Metastatic, Skin									X																			
Urinary System																												
Kidney	+	+	+	+	+	+	+	+	+	+	+		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Histiocytic Sarcoma									X		X																	
Lymphoma Malignant																X		X										
Ureter								+																				
Urinary Bladder	+	+	+	+	+	+	+	+	+	+	+		A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Lymphoma Malignant																												
SYSTEMIC LESIONS																												
Multiple Organ	+	+	+	+	+	+	+	+	+	+	+		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Histiocytic Sarcoma									X		X									X						X		
Lymphoma Malignant																X		X					X				X	X
Mesothelioma Malignant																												

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X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

BLANK ..Not examined microscopically

Experiment Number: 00602-05

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Mouse/B6C3F1/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/18/2014

Time Report Requested: 00:18:41

First Dose M/F: NA / NA

Lab: NCTR

B6C3F1/NCTR Mouse Male 2.5%ETH/30PPMURE	DAY ON TEST																
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ANIMAL ID	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
	6	6	6	6	6	4	6	6	6	6	6	6	6	6	6	6	6
	4	4	4	4	4	3	4	4	4	4	4	4	4	4	4	4	4
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1
	8	8	8	8	8	9	9	9	9	0	0	1	1	1	1	1	1
	2	8	8	8	9	4	4	5	5	1	2	1	1	1	8	8	8
	0	7	8	9	0	4	9	0	1	9	0	6	7	8	2	3	4
*TOTALS																	

Alimentary System

Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	46
Gallbladder	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	40
Lymphoma Malignant																	1
Intestine Large, Cecum	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	42
Lymphoma Malignant																	1
Intestine Large, Colon	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	44
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	47
Intestine Small, Duodenum	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	40
Lymphoma Malignant																	2
Intestine Small, Ileum	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	41
Histiocytic Sarcoma																	1
Lymphoma Malignant							X										2
Intestine Small, Jejunum	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	41
Lymphoma Malignant																	1
Liver	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	46
Hemangiosarcoma														X	X		3
Hepatocellular Adenoma	X				X	X	X		X			X			X		12
Hepatocellular Adenoma, Multiple																	4
Hepatocellular Carcinoma						X	X										5
Histiocytic Sarcoma																	3
Lymphoma Malignant																	2

* ..Total animals with tissue examined microscopically; Total animals with tumor

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

BLANK ..Not examined microscopically

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

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Test Compound: Urethane + ethanol (combination)
 CAS Number: URETHCOMB

Date Report Requested: 10/18/2014
 Time Report Requested: 00:18:42
 First Dose M/F: NA / NA
 Lab: NCTR

B6C3F1/NCTR Mouse Male 2.5%ETH/30PPMURE	DAY ON TEST																	
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
	6	6	6	6	6	4	6	6	6	6	6	6	6	6	6	6	6	6
ANIMAL ID	4	4	4	4	4	3	4	4	4	4	4	4	4	4	4	4	4	4
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1
	8	8	8	8	8	9	9	9	9	0	0	1	1	1	1	1	1	1
	2	8	8	8	9	4	4	5	5	1	2	1	1	1	8	8	8	8
	0	7	8	9	0	4	9	0	1	9	0	6	7	8	2	3	4	4
	*TOTALS																	
	Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	46
Parathyroid Gland	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	43
Pituitary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	41
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	46
Follicular Cel, Adenoma															X			1
General Body System																		
NONE																		
Genital System																		
Coagulating Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	45
Lymphoma Malignant																		1
Epididymis	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	46
Hemangioma																		1
Histiocytic Sarcoma																X		1
Lymphoma Malignant																		1
Mesothelioma Malignant								X										1
Penis																		2
Preputial Gland	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	45
Hemangioma																		1
Hemangiosarcoma																	X	1
Lymphoma Malignant																		1
Prostate	M	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	43
Lymphoma Malignant																		1

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

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

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

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Test Compound: Urethane + ethanol (combination)
 CAS Number: URETHCOMB

Date Report Requested: 10/18/2014
 Time Report Requested: 00:18:42
 First Dose M/F: NA / NA
 Lab: NCTR

B6C3F1/NCTR Mouse Male 2.5%ETH/30PPMURE	DAY ON TEST																	ANIMAL ID		
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7			
	6	6	6	6	6	4	6	6	6	6	6	6	6	6	6	6	6			
	4	4	4	4	4	3	4	4	4	4	4	4	4	4	4	4	4			
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1			
	8	8	8	8	8	9	9	9	9	0	0	1	1	1	1	1	1			
	2	8	8	8	9	4	4	5	5	1	2	1	1	1	8	8	8			
	0	7	8	9	0	4	9	0	1	9	0	6	7	8	2	3	4			
Seminal Vesicle	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			46
Lymphoma Malignant																				2
Sarcoma, Metastatic, Mesentery																				1
Testes	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			47
Bilateral, Lipoma																				1
Hematopoietic System																				
Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			47
Histiocytic Sarcoma																				2
Lymphoma Malignant																				1
Lymph Node					+										+					4
Axillary, Lymphoma Malignant																				1
Inguinal, Lymphoma Malignant																				2
Lumbar, Lymphoma Malignant																				1
Renal, Lymphoma Malignant																				2
Squamous Cell Carcinoma, Metastatic, Skin															X					1
Lymph Node, Mandibular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			45
Histiocytic Sarcoma																				1
Lymphoma Malignant							X		X											4
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			45
Histiocytic Sarcoma																				4
Lymphoma Malignant							X		X											6
Spleen	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			46

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

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

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

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Test Compound: Urethane + ethanol (combination)
 CAS Number: URETHCOMB

Date Report Requested: 10/18/2014
 Time Report Requested: 00:18:42
 First Dose M/F: NA / NA
 Lab: NCTR

B6C3F1/NCTR Mouse Male 2.5%ETH/30PPMURE		DAY ON TEST																	ANIMAL ID	*TOTALS																	
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0																			
		7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7																			
		6	6	6	6	6	4	6	6	6	6	6	6	6	6	6	6	6																			
		4	4	4	4	4	3	4	4	4	4	4	4	4	4	4	4	4																			
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0																			
		0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1																			
		8	8	8	8	8	9	9	9	9	0	0	1	1	1	1	1	1																			
		2	8	8	8	9	4	4	5	5	1	2	1	1	1	8	8	8																			
		0	7	8	9	0	4	9	0	1	9	0	6	7	8	2	3	4																			
Hemangioma																				X	1																
Hemangiosarcoma																					1																
Histiocytic Sarcoma																					2																
Lymphoma Malignant																					5																
Thymus																				M	+	M	+	+	M	M	+	+	+	M	M	+	M	+	+	M	28
Lymphoma Malignant																					3																
Integumentary System																																					
Mammary Gland																				M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	2	
Skin																				+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	46
Fibroma, Multiple																				X														1			
Hemangiosarcoma																				X															4		
Sarcoma																							X								X		X	X	9		
Sarcoma, Multiple																																				1	
Squamous Cell Carcinoma																															X					2	
Squamous Cell Papilloma																							X													2	
Musculoskeletal System																																					
Bone																				+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	47	
Skeletal Muscle																				+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	47	
Lymphoma Malignant																																				1	
Nervous System																																					
Brain, Cerebellum																				+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	47	

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

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

Experiment Number: 00602-05

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Mouse/B6C3F1/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/18/2014

Time Report Requested: 00:18:42

First Dose M/F: NA / NA

Lab: NCTR

B6C3F1/NCTR Mouse Male 2.5%ETH/30PPMURE	DAY ON TEST																	ANIMAL ID		
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7			
	6	6	6	6	6	4	6	6	6	6	6	6	6	6	6	6	6			
	4	4	4	4	4	3	4	4	4	4	4	4	4	4	4	4	4			
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1			
	8	8	8	8	8	9	9	9	9	0	0	1	1	1	1	1	1			
	2	8	8	8	9	4	4	5	5	1	2	1	1	1	8	8	8			
	0	7	8	9	0	4	9	0	1	9	0	6	7	8	2	3	4			
Brain, Cerebrum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			47
Peripheral Nerve	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			47
Spinal Cord, Thoracic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			47
Respiratory System																				
Larynx	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			46
Lung	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			47
Alveolar/Bronchiolar Adenoma		X						X	X		X			X		X	X			11
Alveolar/Bronchiolar Adenoma, Multiple				X			X							X						8
Alveolar/Bronchiolar Carcinoma					X					X						X				7
Alveolar/Bronchiolar Carcinoma, Multiple			X							X										1
Hepatocellular Carcinoma, Metastatic, Liver						X														2
Histiocytic Sarcoma																				3
Lymphoma Malignant																				2
Nose	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			47
Lymphoma Malignant																				1
Trachea	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			45
Special Senses System																				
Ear																				1
Eye	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			47
Harderian Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			47
Adenoma			X		X				X	X	X			X		X				17
Bilateral, Adenoma				X				X				X								4

* ..Total animals with tissue examined microscopically; Total animals with tumor

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

BLANK ..Not examined microscopically

Species/Strain: Mouse/B6C3F1/NCTR

CAS Number: URETHCOMB

Lab: NCTR

B6C3F1/NCTR Mouse Male 2.5%ETH/30PPMURE		DAY ON TEST																	*TOTALS
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
		7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	
		6	6	6	6	6	4	6	6	6	6	6	6	6	6	6	6	6	
		4	4	4	4	4	3	4	4	4	4	4	4	4	4	4	4	4	
ANIMAL ID		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
		0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	
		8	8	8	8	8	9	9	9	9	0	0	1	1	1	1	1	1	
		2	8	8	8	8	9	4	4	5	5	1	2	1	1	1	8	8	8
		0	7	8	9	0	4	9	0	1	9	0	6	7	8	2	3	4	
Carcinoma		X																	1
Lymphoma Malignant																			1
Lacrimal Gland		+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	45	
Lymphoma Malignant																			1
Zymbal's Gland		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	46	
Sarcoma, Metastatic, Skin																			1
Urinary System																			
Kidney		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	47	
Histiocytic Sarcoma																			2
Lymphoma Malignant																			2
Ureter																			1
Urinary Bladder		+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	45	
Lymphoma Malignant		X																	1
SYSTEMIC LESIONS																			
Multiple Organ		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	47	
Histiocytic Sarcoma		X																	5
Lymphoma Malignant		X																	10
Mesothelioma Malignant		X																	1

BLANK ..Not examined microscopically

Experiment Number: 00602-05

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Mouse/B6C3F1/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/18/2014

Time Report Requested: 00:18:42

First Dose M/F: NA / NA

Lab: NCTR

B6C3F1/NCTR Mouse Male 2.5%ETH/90PPMURE	DAY ON TEST																											
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1	3	4	4	5	5	5	6	6	6	5	6	5	6	6	6	6	6	6	6	7	7	7	6	7	7	7	6
	2	9	8	5	5	3	2	0	2	1	6	4	8	2	8	4	6	7	9	9	6	2	2	2	8	6	6	6
ANIMAL ID	0	5	8	3	2	6	4	5	6	4	9	9	8	0	4	0	8	0	5	0	2	6	8	1	7	5	5	4
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	1	1	1	1	1	1	2	2	2	2	2	2	2	3	3	3	3	4	4	4	4	4	4	5	5	5	6
	4	1	2	3	5	8	8	2	4	5	6	8	8	9	3	4	6	8	1	1	1	2	4	8	8	2	3	9
	7	1	4	6	5	5	6	4	3	6	2	6	8	4	3	0	8	5	0	6	9	3	5	1	3	9	0	3

Alimentary System

Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Gallbladder	+	A	+	+	A	+	+	A	+	+	A	A	+	+	+	A	+	+	A	+	+	+	+	+	+	+	+	+
Lymphoma Malignant											X																	
Sarcoma, Metastatic, Skin																												
Intestine Large, Cecum	+	+	+	+	+	+	+	A	+	+	+	A	+	+	+	A	+	+	A	+	+	+	+	+	+	+	+	+
Intestine Large, Colon	+	+	+	+	+	+	+	A	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Small, Duodenum	A	+	+	+	+	+	+	A	+	+	+	A	+	+	+	A	+	+	A	+	+	+	A	+	+	+	+	+
Polyp Adenomatous																												
Intestine Small, Ileum	+	+	+	+	A	+	+	A	+	+	+	A	+	A	A	A	+	+	+	+	+	+	+	+	+	+	+	+
Lymphoma Malignant																												
Intestine Small, Jejunum	A	+	+	A	A	+	+	A	+	+	+	A	+	+	A	A	+	+	A	+	+	+	A	A	+	+	+	+
Lymphoma Malignant																												
Liver	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Alveolar/Bronchiolar Carcinoma, Metastatic, Lung																												
Hemangiosarcoma			X		X			X			X											X						X
Hepatocellular Adenoma		X						X											X						X			X
Hepatocellular Adenoma, Multiple											X					X								X		X		X
Hepatocellular Carcinoma																										X		
Histiocytic Sarcoma						X						X			X			X							X			

* ..Total animals with tissue examined microscopically; Total animals with tumor

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

BLANK ..Not examined microscopically

Experiment Number: 00602-05

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Mouse/B6C3F1/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/18/2014

Time Report Requested: 00:18:43

First Dose M/F: NA / NA

Lab: NCTR

B6C3F1/NCTR Mouse Male 2.5%ETH/90PPMURE	DAY ON TEST																											
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1	3	4	4	5	5	5	6	6	6	5	6	5	6	6	6	6	6	6	6	6	7	7	7	6	7	7	7
	2	9	8	5	5	3	2	0	2	1	6	4	8	2	8	4	6	7	9	9	6	2	2	2	8	6	6	6
ANIMAL ID	0	5	8	3	2	6	4	5	6	4	9	9	8	0	4	0	8	0	5	0	2	6	8	1	7	5	5	4
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	1	1	1	1	1	1	2	2	2	2	2	2	2	3	3	3	3	4	4	4	4	4	4	4	5	5	6
	4	1	2	3	5	8	8	2	4	5	6	8	8	9	3	4	6	8	1	1	1	2	4	8	8	2	3	9
	7	1	4	6	5	5	6	4	3	6	2	6	8	4	3	0	8	5	0	6	9	3	5	1	3	9	0	3
Lymphoma Malignant									X				X															
Sarcoma, Metastatic, Skin		X																					X					
Mesentery									+																+			
Histiocytic Sarcoma																									X			
Lymphoma Malignant									X																			
Pancreas	+	+	+	+	+	+	+	A	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Histiocytic Sarcoma																									X			
Lymphoma Malignant									X				X															
Sarcoma, Metastatic, Skin																												
Salivary Glands	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Lymphoma Malignant													X															
Stomach, Forestomach	+	+	+	+	+	+	+	A	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Lymphoma Malignant													X															
Sarcoma, Metastatic, Skin																												
Squamous Cell Carcinoma																												
Squamous Cell Papilloma																									X			
Stomach, Glandular	+	+	+	+	+	+	+	A	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Adenoma																												
Lymphoma Malignant													X															
Tongue	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Lymphoma Malignant													X															

Cardiovascular System

* ..Total animals with tissue examined microscopically; Total animals with tumor

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

BLANK ..Not examined microscopically

Experiment Number: 00602-05

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Mouse/B6C3F1/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/18/2014

Time Report Requested: 00:18:44

First Dose M/F: NA / NA

Lab: NCTR

B6C3F1/NCTR Mouse Male 2.5%ETH/90PPMURE	DAY ON TEST																											
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1	3	4	4	5	5	5	6	6	6	5	6	5	6	6	6	6	6	6	6	6	7	7	7	6	7	7	7
	2	9	8	5	5	3	2	0	2	1	6	4	8	2	8	4	6	7	9	9	6	2	2	2	8	6	6	6
ANIMAL ID	0	5	8	3	2	6	4	5	6	4	9	9	8	0	4	0	8	0	5	0	2	6	8	1	7	5	5	4
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	1	1	1	1	1	1	2	2	2	2	2	2	2	3	3	3	3	4	4	4	4	4	4	4	5	5	5
	4	1	2	3	5	8	8	2	4	5	6	8	8	9	3	4	6	8	1	1	2	4	8	8	2	3	9	2
	7	1	4	6	5	5	6	4	4	6	6	8	8	4	3	0	8	5	0	6	9	3	5	1	3	9	3	7
Blood Vessel	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Heart	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Alveolar/Bronchiolar Carcinoma, Metastatic, Lung																												
Hemangiosarcoma					X								X				X											X
Lymphoma Malignant													X															
Sarcoma, Metastatic, Skin																												
Endocrine System																												
Adrenal Gland, Cortex	+	+	+	+	+	+	+	A	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Lymphoma Malignant													X															
Sarcoma, Metastatic, Skin																												
Adrenal Gland, Medulla	+	+	+	+	+	+	+	A	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Bilateral, Pheochromocytoma Benign																												
Pheochromocytoma Benign								X																				X
Sarcoma, Metastatic, Skin																												
Islets, Pancreatic	+	+	+	+	+	+	+	A	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Adenoma																												
Lymphoma Malignant											X													X				
Parathyroid Gland	+	+	+	+	+	M	+	M	+	+	M	+	M	+	+	+	+	+	M	+	+	+	+	+	M	+	+	M
Pituitary Gland	+	M	+	+	M	+	+	+	+	+	+	M	+	+	+	+	+	+	+	M	+	+	+	M	+	+	+	M
Thyroid Gland	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Follicular Cel, Adenoma																											X	

* ..Total animals with tissue examined microscopically; Total animals with tumor

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

BLANK ..Not examined microscopically

Experiment Number: 00602-05

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Mouse/B6C3F1/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/18/2014

Time Report Requested: 00:18:44

First Dose M/F: NA / NA

Lab: NCTR

B6C3F1/NCTR Mouse Male 2.5%ETH/90PPMURE	DAY ON TEST																											
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1	3	4	4	5	5	5	6	6	6	5	6	5	6	6	6	6	6	6	6	6	7	7	7	6	7	7	7
	2	9	8	5	5	3	2	0	2	1	6	4	8	2	8	4	6	7	9	9	6	2	2	2	8	6	6	6
ANIMAL ID	0	5	8	3	2	6	4	5	6	4	9	9	8	0	4	0	8	0	5	0	2	6	8	1	7	5	5	4
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	1	1	1	1	1	1	2	2	2	2	2	2	2	3	3	3	3	4	4	4	4	4	4	5	5	5	6
	4	1	2	3	5	8	8	2	4	5	6	8	9	3	4	6	8	1	1	1	2	4	8	8	2	3	9	2
	7	1	4	6	5	5	6	4	3	6	2	6	8	4	3	0	8	5	0	6	9	3	5	1	3	9	0	3

Lymphoma Malignant

X

General Body System

NONE

Genital System

Coagulating Gland

+ + + + + + + A + + + A + + + + + + + + + + + + + + + + + +

Lymphoma Malignant

X

X

Epididymis

+ +

Hemangioma

X

Histiocytic Sarcoma

X

Lymphoma Malignant

X

X

Penis

+

+

Preputial Gland

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

Hemangioma

X

Hemangiosarcoma

Lymphoma Malignant

X

Prostate

+ +

Histiocytic Sarcoma

X

Lymphoma Malignant

X

X

Seminal Vesicle

+ + + + + + + + + + + A +

Hemangiosarcoma

Histiocytic Sarcoma

X

Lymphoma Malignant

X

X

* ..Total animals with tissue examined microscopically; Total animals with tumor

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

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Experiment Number: 00602-05

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Mouse/B6C3F1/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/18/2014

Time Report Requested: 00:18:44

First Dose M/F: NA / NA

Lab: NCTR

| B6C3F1/NCTR Mouse Male
2.5%ETH/90PPMURE | DAY ON TEST | |
|--|-------------|
| | 0 | 0 |
| | 1 | 3 | 4 | 4 | 5 | 5 | 5 | 6 | 6 | 6 | 5 | 6 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 7 | 7 | 7 | 6 | 7 | 7 | 7 |
| | 2 | 9 | 8 | 5 | 5 | 3 | 2 | 0 | 2 | 1 | 6 | 4 | 8 | 2 | 8 | 4 | 6 | 7 | 9 | 9 | 6 | 2 | 2 | 2 | 8 | 6 | 6 | 6 |
| ANIMAL ID | 0 | 5 | 8 | 3 | 2 | 6 | 4 | 5 | 6 | 4 | 9 | 9 | 8 | 0 | 4 | 0 | 8 | 0 | 5 | 0 | 2 | 6 | 8 | 1 | 7 | 5 | 5 | 4 |
| | 0 | 0 |
| | 0 | 0 |
| | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | 5 | 5 | 6 |
| Testes | 4 | 1 | 2 | 3 | 5 | 8 | 8 | 2 | 4 | 5 | 6 | 8 | 8 | 9 | 3 | 4 | 6 | 8 | 1 | 1 | 1 | 2 | 4 | 8 | 8 | 2 | 3 | 9 |
| | 7 | 1 | 4 | 6 | 5 | 5 | 6 | 4 | 3 | 6 | 2 | 6 | 8 | 4 | 3 | 0 | 8 | 5 | 0 | 6 | 9 | 3 | 5 | 1 | 3 | 9 | 0 | 3 |
| | |
| | |
| Histiocytic Sarcoma | + | + | + | + | + | + | + | A | + |
| Hematopoietic System | |
| Bone Marrow | + | + | + | + | + | + | + | A | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Lymphoma Malignant | | | | | | | | | X | | | | X | | | | | | | | | | | | | | | |
| Lymph Node | | | | | | | | | + | | + | | + | | | + | | | | | | | | | | | | |
| Axillary, Sarcoma, Metastatic, Skin | |
| Inguinal, Hemangiosarcoma | | | | | | | | | | | X | | | | | | | | | | | | | | | | | |
| Inguinal, Lymphoma Malignant | | | | | | | | | X | | | | X | | | | | | | | | | | | | | | |
| Lumbar, Lymphoma Malignant | | | | | | | | | X | | | | | | | | | | | | | | | | | | | |
| Renal, Lymphoma Malignant | | | | | | | | | X | | | | X | | | | | | | | | | | | | | | |
| Lymph Node, Mandibular | + | + | + | + | + | + | + | A | + |
| Carcinoma, Metastatic, Harderian Gland | |
| Hemangiosarcoma | | | | | | | | | | | X | | | | | | | | | | | | | | | | | |
| Histiocytic Sarcoma | | | | | | | | | | | | X | | | | | | | X | | | | | | | | | |
| Lymphoma Malignant | | | | | | | | | X | | | | X | | | | | | | | | | | | | | | |
| Lymph Node, Mesenteric | + | + | + | + | + | + | + | A | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Carcinoma, Metastatic, Harderian Gland | |
| Hemangiosarcoma | | | | | | | | | | | X | | | | | | | | | | | | | | | | | |
| Histiocytic Sarcoma | | | | | | X | | | | | | | | | X | | | | X | | | | | | X | | | |
| Lymphoma Malignant | | | | | | | | | X | | | | X | | | | | | | | | | | | | | | |
| Sarcoma, Metastatic, Skin | |

* ..Total animals with tissue examined microscopically; Total animals with tumor

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

BLANK ..Not examined microscopically

Experiment Number: 00602-05

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Mouse/B6C3F1/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/18/2014

Time Report Requested: 00:18:45

First Dose M/F: NA / NA

Lab: NCTR

| B6C3F1/NCTR Mouse Male
2.5%ETH/90PPMURE | DAY ON TEST | |
|--|-------------|
| | 0 | 0 |
| | 1 | 3 | 4 | 4 | 5 | 5 | 5 | 6 | 6 | 6 | 5 | 6 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 7 | 7 | 7 | 6 | 7 | 7 | 7 |
| | 2 | 9 | 8 | 5 | 5 | 3 | 2 | 0 | 2 | 1 | 6 | 4 | 8 | 2 | 8 | 4 | 6 | 7 | 9 | 9 | 6 | 2 | 2 | 2 | 8 | 6 | 6 | 6 |
| ANIMAL ID | 0 | 5 | 8 | 3 | 2 | 6 | 4 | 5 | 6 | 4 | 9 | 9 | 8 | 0 | 4 | 0 | 8 | 0 | 5 | 0 | 2 | 6 | 8 | 1 | 7 | 5 | 5 | 4 |
| | 0 | 0 |
| | 0 | 0 |
| | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | 5 | 6 |
| | 4 | 1 | 2 | 3 | 5 | 8 | 8 | 2 | 4 | 5 | 6 | 8 | 8 | 9 | 3 | 4 | 6 | 8 | 1 | 1 | 1 | 2 | 4 | 8 | 8 | 2 | 3 | 9 |
| | 7 | 1 | 4 | 6 | 5 | 5 | 6 | 4 | 3 | 6 | 2 | 6 | 8 | 4 | 3 | 0 | 8 | 5 | 0 | 6 | 9 | 3 | 5 | 1 | 3 | 9 | 0 | 3 |
| Spleen | + | + | + | + | + | + | + | A | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Hemangiosarcoma | | | | | X | |
| Histiocytic Sarcoma | | | | | | X | | | | | | | | | X | | | | | X | | | | | | | | |
| Lymphoma Malignant | | | | | | | | | X | | | | X | | | | | | | | | | | | | | | |
| Thymus | + | M | + | + | + | + | M | M | + | + | + | M | + | M | + | + | M | + | + | + | + | + | + | + | M | M | M | + |
| Alveolar/Bronchiolar Carcinoma, Metastatic, Lung | |
| Lymphoma Malignant | | | | | | | | | X | | | | X | | | | | | | | | | | | | | | |
| Sarcoma, Metastatic, Skin | |
| Integumentary System | |
| Mammary Gland | M | M | M | M | M | M | M | M | M | M | M | A | M | M | M | M | M | M | M | M | M | M | M | M | M | M | M | M |
| Skin | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Hemangiosarcoma | |
| Lymphoma Malignant | | | | | | | | | | | | | X | | | | | | | | | | | | | X | | |
| Sarcoma | | | | | | | | | | | | | | | | | | | X | | | | | | X | | X | |
| Sarcoma, Multiple | | | X | |
| Squamous Cell Carcinoma | | | | | | | | X | X | | | | | | | | X | | | | X | | | | | | | |
| Squamous Cell Papilloma | | | | X | |
| Musculoskeletal System | |
| Bone | + | + |
| Alveolar/Bronchiolar Carcinoma, Metastatic, Lung | |

* ..Total animals with tissue examined microscopically; Total animals with tumor

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

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Date Report Requested: 10/18/2014

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First Dose M/F: NA / NA

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| B6C3F1/NCTR Mouse Male
2.5%ETH/90PPMURE | DAY ON TEST | |
|---|-------------|
| | 0 | 0 |
| | 1 | 3 | 4 | 4 | 5 | 5 | 5 | 6 | 6 | 6 | 5 | 6 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 7 | 7 | 7 | 6 | 7 | 7 | 7 | 6 |
| | 2 | 9 | 8 | 5 | 5 | 3 | 2 | 0 | 2 | 1 | 6 | 4 | 8 | 2 | 8 | 4 | 6 | 7 | 9 | 9 | 6 | 2 | 2 | 2 | 8 | 6 | 6 | 6 |
| ANIMAL ID | 0 | 5 | 8 | 3 | 2 | 6 | 4 | 5 | 6 | 4 | 9 | 9 | 8 | 0 | 4 | 0 | 8 | 0 | 5 | 0 | 2 | 6 | 8 | 1 | 7 | 5 | 5 | 4 |
| | 0 | 0 |
| | 0 | 0 |
| | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | 5 | 5 | 6 |
| | 4 | 1 | 2 | 3 | 5 | 8 | 8 | 2 | 4 | 5 | 6 | 8 | 8 | 9 | 3 | 4 | 6 | 8 | 1 | 1 | 1 | 2 | 4 | 8 | 8 | 2 | 3 | 9 |
| | 7 | 1 | 4 | 6 | 5 | 5 | 6 | 4 | 3 | 6 | 2 | 6 | 8 | 4 | 3 | 0 | 8 | 5 | 0 | 6 | 9 | 3 | 5 | 1 | 3 | 9 | 0 | 3 |
| Vertebra, Alveolar/Bronchiolar Carcinoma, Metastatic, Lung | |
| Skeletal Muscle | + | + |
| Alveolar/Bronchiolar Carcinoma, Metastatic | |
| Diaphragm, Alveolar/Bronchiolar Carcinoma, Metastatic, Lung | |
| Histiocytic Sarcoma | | | | | | | | | | | | | | | | | X | | | | | | | | | | | |
| Sarcoma, Metastatic, Skin | | | X | |
| Nervous System | |
| Brain, Cerebellum | + | + |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | X | | | | | | | | | | | |
| Brain, Cerebrum | + | + |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | X | | | | | | | | | | | |
| Peripheral Nerve | + | + |
| Spinal Cord, Thoracic | + | + |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | X | | | | | | | | | | | |
| Respiratory System | |
| Larynx | + | + | M | + | + | + |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | X | | | | | | | | | | | |
| Lung | + | + |
| Alveolar/Bronchiolar Adenoma | | | | X | | | | | | X | | | | | | | X | X | | X | X | X | X | | X | X | | |
| Alveolar/Bronchiolar Adenoma, Multiple | | X | | X | X | | | X | | | X | X | | | X | | | | | | | X | | | | X | X | X |

* ..Total animals with tissue examined microscopically; Total animals with tumor

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

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Experiment Number: 00602-05

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Lab: NCTR

| B6C3F1/NCTR Mouse Male
2.5%ETH/90PPMURE | | DAY ON TEST | | |
|---|--|-------------|--|--|
| | | 0 | 0 | | | | | | | | | |
| | | 1 | 3 | 4 | 4 | 5 | 5 | 5 | 6 | 6 | 6 | 5 | 6 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 7 | 7 | 7 | 6 | 7 | 7 | 7 | 7 | 7 | | | | | | | | |
| | | 2 | 9 | 8 | 5 | 5 | 3 | 2 | 0 | 2 | 1 | 6 | 4 | 8 | 2 | 8 | 4 | 6 | 7 | 9 | 9 | 6 | 2 | 2 | 2 | 8 | 6 | 6 | 6 | 6 | 4 | | | | | | | |
| ANIMAL ID | | 0 | 5 | 8 | 3 | 2 | 6 | 4 | 5 | 6 | 4 | 9 | 9 | 8 | 0 | 4 | 0 | 8 | 0 | 5 | 0 | 2 | 6 | 8 | 1 | 7 | 5 | 5 | 4 | 8 | 4 | 8 | | | | | | |
| | | 0 | 0 | | | | | | |
| | | 0 | 0 | | | | | | |
| | | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | 5 | 5 | 6 | 6 | 6 | 7 | | | | | |
| | | 4 | 1 | 2 | 3 | 5 | 8 | 8 | 2 | 4 | 5 | 6 | 8 | 8 | 9 | 3 | 4 | 6 | 8 | 1 | 1 | 1 | 2 | 4 | 8 | 8 | 2 | 3 | 9 | 0 | 3 | 7 | 2 | 4 | | | | |
| | | 7 | 1 | 4 | 6 | 5 | 5 | 6 | 4 | 3 | 6 | 2 | 6 | 8 | 4 | 3 | 0 | 8 | 5 | 0 | 6 | 9 | 3 | 5 | 1 | 3 | 9 | 0 | 3 | 7 | 2 | 4 | 7 | 4 | | | | |
| Alveolar/Bronchiolar Carcinoma | | | | | | | | | | | | X | X | X | | | | | X | X | | | | | X | | | | | X | | | | | | | | |
| Alveolar/Bronchiolar Carcinoma, Multiple | | | X | | | | | X | | | | | | |
| Carcinoma, Metastatic, Harderian Gland | | | X | | | | | | | | | | | | | | |
| Hepatocellular Carcinoma, Metastatic, Liver | | | X | | | | | | | | |
| Histiocytic Sarcoma | | | | | | | | | | | | | | | X | | | | | X | | | | | X | | | | | | | | | | | | | |
| Lymphoma Malignant | | | | | | | | | | | | | | | X | | | | | X | | | | | | | | | | | | | | | | | | |
| Sarcoma, Metastatic, Skin | | | X | | | | | | | | | | | |
| Nose | | + | + | | | | | |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | X | | |
| Trachea | | + | + | | | | | |
| Special Senses System | | | | |
| Eye | | + | + | + | + | + | + | + | A | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | | | | |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | X | | |
| Harderian Gland | | + | + | | | | | |
| Adenoma | | | | | | | | | | | | | | | | | X | X | | | | | X | X | | | | | X | | | | | X | | | | |
| Bilateral, Adenoma | | | X | | | | | X | | | | | | | X | X | X | | |
| Bilateral, Carcinoma | | | X | | | | | X | | | | | | | | | |
| Carcinoma | | | X | | | | | X | | | | | | | | |
| Lymphoma Malignant | | | | |
| Lacrimal Gland | | + | + | | | | | |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | | X | | | | | | | | | | | | | | | | | | | | |
| Zymbal's Gland | | + | + | M | + | M | + | + | + | + | + | + | + | + | | | | |

* ..Total animals with tissue examined microscopically; Total animals with tumor

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

BLANK ..Not examined microscopically

Species/Strain: Mouse/B6C3F1/NCTR

CAS Number: URETHCOMB

Lab: NCTR

[illegible]

Lymphoma Malignant

Urinary System

[illegible]

SYSTEMIC LESIONS

[illegible]

Insufficient tissue

BLANK ..Not examined microscopically

Experiment Number: 00602-05

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Mouse/B6C3F1/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/18/2014

Time Report Requested: 00:18:46

First Dose M/F: NA / NA

Lab: NCTR

| | | | | | | | | | | | | | | | | | | |
|--|-------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|--|
| B6C3F1/NCTR Mouse Male
2.5%ETH/90PPMURE | DAY ON TEST | 0
7
6
4 | 0
7
6
4 | 0
7
6
4 | 0
7
4
4 | 0
7
6
4 | 0
7
3
4 | 0
7
6
4 | 0
7
6
4 | 0
7
6
4 | 0
7
6
4 | 0
7
5
5 | 0
7
3
4 | 0
7
6
4 | 0
7
5
4 | 0
7
6
1 | 0
7
6
4 | |
| | ANIMAL ID | 0
0
7
0
8 | 0
0
7
0
9 | 0
0
7
1
0 | 0
0
7
1
5 | 0
0
7
1
3 | 0
0
8
5
3 | 0
0
8
2
1 | 0
0
8
9
1 | 0
0
9
5
2 | 0
0
9
5
3 | 0
1
0
5
0 | 0
1
0
5
1 | 0
1
0
5
8 | 0
1
0
5
2 | 0
1
0
3
0 | 0
1
3
7
1 | |
| | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | |
| | | *TOTALS | | | | | | | | | | | | | | | | |

Alimentary System

| | | | | | | | | | | | | | | | | | | |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|
| Esophagus | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 |
| Gallbladder | + | + | + | A | + | + | + | + | + | + | + | + | + | + | M | + | + | 39 |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | | 1 |
| Sarcoma, Metastatic, Skin | | | | | | | | | | | | X | | | | | | 1 |
| Intestine Large, Cecum | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | 43 |
| Intestine Large, Colon | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 46 |
| Intestine Large, Rectum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 47 |
| Intestine Small, Duodenum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 42 |
| Polyp Adenomatous | | | | | | | | | | | | | | | | | | 1 |
| Intestine Small, Ileum | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | 41 |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | | 1 |
| Intestine Small, Jejunum | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | 37 |
| Lymphoma Malignant | | | | | | | | | X | | | | | | | | | 1 |
| Liver | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 |
| Alveolar/Bronchiolar Carcinoma, Metastatic, Lung | | | | | | | | | | | X | | | | | | | 1 |
| Hemangiosarcoma | X | | X | X | | | | X | | | | | X | | | | | 11 |
| Hepatocellular Adenoma | X | | | X | X | | X | | | | | | X | X | | X | | 13 |
| Hepatocellular Adenoma, Multiple | | X | X | | | X | | | X | | X | X | | | | | | 11 |
| Hepatocellular Carcinoma | | X | X | | | | | | X | | | | | | | | | 4 |
| Histiocytic Sarcoma | | | | | | | X | | | | | | | | | | | 6 |

* ..Total animals with tissue examined microscopically; Total animals with tumor

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

BLANK ..Not examined microscopically

Experiment Number: 00602-05

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Mouse/B6C3F1/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/18/2014

Time Report Requested: 00:18:46

First Dose M/F: NA / NA

Lab: NCTR

| B6C3F1/NCTR Mouse Male
2.5%ETH/90PPMURE | DAY ON TEST | | | | | | | | | | | | | | | | |
|--|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ANIMAL ID | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| | 6 | 6 | 6 | 4 | 6 | 3 | 6 | 6 | 6 | 6 | 5 | 3 | 6 | 6 | 5 | 6 | 6 |
| | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | 5 | 4 | 4 | 1 | 4 | 4 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | 7 | 7 | 7 | 7 | 7 | 8 | 8 | 8 | 9 | 9 | 0 | 0 | 0 | 1 | 1 | 1 | 1 |
| | 0 | 0 | 1 | 1 | 5 | 1 | 2 | 9 | 5 | 5 | 0 | 0 | 0 | 1 | 3 | 7 | 7 |
| | 8 | 9 | 0 | 5 | 3 | 3 | 1 | 1 | 2 | 3 | 0 | 1 | 8 | 2 | 0 | 1 | 2 |
| | *TOTALS | | | | | | | | | | | | | | | | |
| Lymphoma Malignant | | | | | | | | | | | | | | | | X | 3 |
| Sarcoma, Metastatic, Skin | | | | | | | | | | | X | | | | | | 3 |
| Mesentery | + | | | | | | | | | | | | | | | | 3 |
| Histiocytic Sarcoma | | | | | | | | | | | | | | | | | 1 |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | 1 |
| Pancreas | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 46 |
| Histiocytic Sarcoma | | | | | | | | | | | | | | | | | 1 |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | 2 |
| Sarcoma, Metastatic, Skin | | | | | | | | | | | X | | | | | | 1 |
| Salivary Glands | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 |
| Lymphoma Malignant | X | | | | | | | | | | | | | | | | 2 |
| Stomach, Forestomach | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 46 |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | 1 |
| Sarcoma, Metastatic, Skin | | | | | | | | | | | X | | | | | | 1 |
| Squamous Cell Carcinoma | | X | | | | | | | | | | | X | | | | 2 |
| Squamous Cell Papilloma | | | | | | | | | | | | | X | | | | 2 |
| Stomach, Glandular | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 46 |
| Adenoma | | | | | | | X | | | | | | | | | | 1 |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | 1 |
| Tongue | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | 1 |
| Cardiovascular System | | | | | | | | | | | | | | | | | |

* ..Total animals with tissue examined microscopically; Total animals with tumor

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

BLANK ..Not examined microscopically

Experiment Number: 00602-05

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Route: DOSED WATER

Species/Strain: Mouse/B6C3F1/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/18/2014

Time Report Requested: 00:18:46

First Dose M/F: NA / NA

Lab: NCTR

| B6C3F1/NCTR Mouse Male
2.5%ETH/90PPMURE | DAY ON TEST | | | | | | | | | | | | | | | | | ANIMAL ID | | |
|--|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------|--|----|
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | |
| | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | | | |
| | 6 | 6 | 6 | 4 | 6 | 3 | 6 | 6 | 6 | 6 | 5 | 3 | 6 | 6 | 5 | 6 | 6 | | | |
| | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | 5 | 4 | 4 | 1 | 4 | 4 | | | |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | | |
| | 7 | 7 | 7 | 7 | 7 | 8 | 8 | 8 | 9 | 9 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | | | |
| | 0 | 0 | 1 | 1 | 5 | 1 | 2 | 9 | 5 | 5 | 0 | 0 | 0 | 1 | 3 | 7 | 7 | | | |
| | 8 | 9 | 0 | 5 | 3 | 3 | 1 | 1 | 2 | 3 | 0 | 1 | 8 | 2 | 0 | 1 | 2 | | | |
| | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | |
| Blood Vessel | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | 48 |
| Heart | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | 48 |
| Alveolar/Bronchiolar Carcinoma, Metastatic, Lung | | | | | | | X | | | | | | | | | | | | | 1 |
| Hemangiosarcoma | | | | | | | | | | | | | | | | | | | | 4 |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | | | | 1 |
| Sarcoma, Metastatic, Skin | | | | | | | | | | | | X | | | | | | | | 1 |
| Endocrine System | | | | | | | | | | | | | | | | | | | | |
| Adrenal Gland, Cortex | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | 46 |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | | | | 1 |
| Sarcoma, Metastatic, Skin | | | | | | | | | | | | X | | | | | | | | 1 |
| Adrenal Gland, Medulla | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | 46 |
| Bilateral, Pheochromocytoma Benign | | X | | | | | | | | | | | | | | | | | | 1 |
| Pheochromocytoma Benign | | | | | | | | | | X | | | | | | | | | | 3 |
| Sarcoma, Metastatic, Skin | | | | | | | | | | | | X | | | | | | | | 1 |
| Islets, Pancreatic | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | 46 |
| Adenoma | | | | | | | | | | | | | X | | | | | | | 2 |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | | | | 1 |
| Parathyroid Gland | + | + | + | M | + | + | + | + | + | + | + | M | + | + | M | + | + | | | 38 |
| Pituitary Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | 42 |
| Thyroid Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | 47 |
| Follicular Cel, Adenoma | | | | | | | | | | | | | | | | | X | | | 2 |

* ..Total animals with tissue examined microscopically; Total animals with tumor

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

BLANK ..Not examined microscopically

Experiment Number: 00602-05

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Mouse/B6C3F1/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/18/2014

Time Report Requested: 00:18:47

First Dose M/F: NA / NA

Lab: NCTR

| B6C3F1/NCTR Mouse Male
2.5%ETH/90PPMURE | DAY ON TEST | | | | | | | | | | | | | | | | |
|--|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ANIMAL ID | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| | 6 | 6 | 6 | 4 | 6 | 3 | 6 | 6 | 6 | 6 | 5 | 3 | 6 | 6 | 5 | 6 | 6 |
| | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | 5 | 4 | 4 | 1 | 4 | 4 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | 7 | 7 | 7 | 7 | 7 | 8 | 8 | 8 | 9 | 9 | 0 | 0 | 0 | 1 | 1 | 1 | 1 |
| | 0 | 0 | 1 | 1 | 5 | 1 | 2 | 9 | 5 | 5 | 0 | 0 | 0 | 1 | 3 | 7 | 7 |
| | 8 | 9 | 0 | 5 | 3 | 3 | 1 | 1 | 2 | 3 | 0 | 1 | 8 | 2 | 0 | 1 | 2 |
| | *TOTALS | | | | | | | | | | | | | | | | |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | |
| General Body System | | | | | | | | | | | | | | | | | |
| NONE | | | | | | | | | | | | | | | | | |
| Genital System | | | | | | | | | | | | | | | | | |
| Coagulating Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | |
| Epididymis | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Hemangioma | | | | | | | | | | | | | | | | | |
| Histiocytic Sarcoma | | | | | | | | | | | | | | | | | |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | |
| Penis | | | | | | | | | | | | | | | | | |
| Preputial Gland | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + |
| Hemangioma | | | | | | | | | | | | | | | | | |
| Hemangiosarcoma | | | | | | | | | | | | | | | | | |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | |
| Prostate | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Histiocytic Sarcoma | | | | | | | | | | | | | | | | | |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | |
| Seminal Vesicle | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Hemangiosarcoma | | | | | | | | | | | | | | | | | |
| Histiocytic Sarcoma | | | | | | | | | | | | | | | | | |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | |

* ..Total animals with tissue examined microscopically; Total animals with tumor

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I ..Insufficient tissue

M ..Missing tissue

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Time Report Requested: 00:18:47

First Dose M/F: NA / NA

Lab: NCTR

| B6C3F1/NCTR Mouse Male
2.5%ETH/90PPMURE | DAY ON TEST | | | | | | | | | | | | | | | | | ANIMAL ID | | |
|--|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------|--|----|
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | |
| | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 0 | | |
| | 6 | 6 | 6 | 4 | 6 | 3 | 6 | 6 | 6 | 6 | 5 | 3 | 6 | 6 | 5 | 6 | 6 | 0 | | |
| | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | 5 | 4 | 4 | 1 | 4 | 4 | 0 | | |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | | |
| | 7 | 7 | 7 | 7 | 7 | 8 | 8 | 8 | 9 | 9 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 0 | | |
| | 0 | 0 | 1 | 1 | 5 | 1 | 2 | 9 | 5 | 5 | 0 | 0 | 0 | 1 | 3 | 7 | 7 | 0 | | |
| | 8 | 9 | 0 | 5 | 3 | 3 | 1 | 1 | 2 | 3 | 0 | 1 | 8 | 2 | 0 | 1 | 2 | 0 | | |
| | | | | | | | | | | | | | | | | | | *TOTALS | | |
| Testes | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | 47 |
| Histiocytic Sarcoma | | | | | | | | | | | | | | | | | | | | 1 |
| Hematopoietic System | | | | | | | | | | | | | | | | | | | | |
| Bone Marrow | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | 46 |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | | | | 2 |
| Lymph Node | + | | | + | | | | | | | | | | | | | | | | 6 |
| Axillary, Sarcoma, Metastatic, Skin | | | | X | | | | | | | | | | | | | | | | 1 |
| Inguinal, Hemangiosarcoma | | | | | | | | | | | | | | | | | | | | 1 |
| Inguinal, Lymphoma Malignant | | | | | | | | | | | | | | | | | | | | 2 |
| Lumbar, Lymphoma Malignant | | | | | | | | | | | | | | | | | | | | 1 |
| Renal, Lymphoma Malignant | X | | | | | | | | | | | | | | | | | | | 3 |
| Lymph Node, Mandibular | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | 47 |
| Carcinoma, Metastatic, Harderian Gland | | | | | | | | | | | | | | | | | | | | 1 |
| Hemangiosarcoma | | | | | | | | | | | | | | | | | | | | 1 |
| Histiocytic Sarcoma | | | | | | | | | | | | | | | | | | | | 2 |
| Lymphoma Malignant | X | | | | | | | | | | | | | | | | | | | 3 |
| Lymph Node, Mesenteric | + | + | + | A | + | + | + | + | M | + | + | + | + | + | + | + | + | | | 44 |
| Carcinoma, Metastatic, Harderian Gland | | | | | | | | | | | | | | | | | | | | 1 |
| Hemangiosarcoma | | | | | | | | | | | | | | | X | | X | | | 3 |
| Histiocytic Sarcoma | | | | | | | | | | | | | | | | | | | | 4 |
| Lymphoma Malignant | X | X | | | | | | | | | | | | X | | X | | | | 6 |
| Sarcoma, Metastatic, Skin | | | | | | | | | | | X | | | | | | | | | 1 |

* ..Total animals with tissue examined microscopically; Total animals with tumor

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

BLANK ..Not examined microscopically

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Time Report Requested: 00:18:47

First Dose M/F: NA / NA

Lab: NCTR

| B6C3F1/NCTR Mouse Male
2.5%ETH/90PPMURE | | DAY ON TEST | | | | | | | | | | | | | | | | | ANIMAL ID | | |
|--|--|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------|----|--|
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | |
| | | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | | | |
| | | 6 | 6 | 6 | 4 | 6 | 3 | 6 | 6 | 6 | 6 | 5 | 3 | 6 | 6 | 5 | 6 | 6 | | | |
| | | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | 5 | 4 | 4 | 1 | 4 | 4 | | | |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | | |
| | | 7 | 7 | 7 | 7 | 7 | 8 | 8 | 8 | 9 | 9 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | | | |
| | | 0 | 0 | 1 | 1 | 5 | 1 | 2 | 9 | 5 | 5 | 0 | 0 | 0 | 1 | 3 | 7 | 7 | | | |
| | | 8 | 9 | 0 | 5 | 3 | 3 | 1 | 1 | 2 | 3 | 0 | 1 | 8 | 2 | 0 | 1 | 2 | | | |
| | | *TOTALS | | | | | | | | | | | | | | | | | | | |
| Spleen | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | 46 | |
| Hemangiosarcoma | | | | | | | X | | | | | | | | X | | | | | 3 | |
| Histiocytic Sarcoma | | | | | | | | | | | | | | | | | | | | 3 | |
| Lymphoma Malignant | | | X | | | | | | | | | | | | X | | X | | | 5 | |
| Thymus | | + | M | M | M | + | M | M | + | + | M | + | + | + | + | + | + | + | | 32 | |
| Alveolar/Bronchiolar Carcinoma, Metastatic, Lung | | | | | | | | | | | | X | | | | | X | | | 2 | |
| Lymphoma Malignant | | X | | | | | | | | | | | | | | | | | | 3 | |
| Sarcoma, Metastatic, Skin | | | | | | | | | | | | | X | | | | | | | 1 | |
| Integumentary System | | | | | | | | | | | | | | | | | | | | | |
| Mammary Gland | | M | M | M | M | M | M | M | + | M | M | M | M | M | M | M | M | M | | 1 | |
| Skin | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | 47 | |
| Hemangiosarcoma | | | | | | | | | | | | | | | | | | | | 1 | |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | | | | 1 | |
| Sarcoma | | | | | X | | | | | X | | | X | | | | | | | 7 | |
| Sarcoma, Multiple | | | | | | | | | | | | | | | | | | | | 1 | |
| Squamous Cell Carcinoma | | | | | | | | | | | | | | | | | | | | 4 | |
| Squamous Cell Papilloma | | | X | | | | | | | | X | | | | | | | | | 3 | |
| Musculoskeletal System | | | | | | | | | | | | | | | | | | | | | |
| Bone | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | 48 | |
| Alveolar/Bronchiolar Carcinoma, Metastatic, Lung | | | | | | | X | | | | | | | | | | | | | 1 | |

* ..Total animals with tissue examined microscopically; Total animals with tumor

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

BLANK ..Not examined microscopically

Experiment Number: 00602-05

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Mouse/B6C3F1/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/18/2014

Time Report Requested: 00:18:47

First Dose M/F: NA / NA

Lab: NCTR

| B6C3F1/NCTR Mouse Male
2.5%ETH/90PPMURE | DAY ON TEST | | | | | | | | | | | | | | | | |
|---|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ANIMAL ID | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| | 6 | 6 | 6 | 4 | 6 | 3 | 6 | 6 | 6 | 6 | 5 | 3 | 6 | 6 | 5 | 6 | 6 |
| | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | 5 | 4 | 4 | 1 | 4 | 4 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | 7 | 7 | 7 | 7 | 7 | 8 | 8 | 8 | 9 | 9 | 0 | 0 | 0 | 1 | 1 | 1 | 1 |
| | 0 | 0 | 1 | 1 | 5 | 1 | 2 | 9 | 5 | 5 | 0 | 0 | 0 | 1 | 3 | 7 | 7 |
| | 8 | 9 | 0 | 5 | 3 | 3 | 1 | 1 | 2 | 3 | 0 | 1 | 8 | 2 | 0 | 1 | 2 |
| | *TOTALS | | | | | | | | | | | | | | | | |
| Vertebra, Alveolar/Bronchiolar Carcinoma, Metastatic, Lung | | | | | | | | | | | | | | | X | | 1 |
| Skeletal Muscle | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 |
| Alveolar/Bronchiolar Carcinoma, Metastatic | | | | | | X | | | | | | | | | | | 1 |
| Diaphragm, Alveolar/Bronchiolar Carcinoma, Metastatic, Lung | | | | | | X | | | | | | | | | | | 1 |
| Histiocytic Sarcoma | | | | | | | | | | | | | | | | | 1 |
| Sarcoma, Metastatic, Skin | | | | | | | | | | | | | | | | | 1 |
| Nervous System | | | | | | | | | | | | | | | | | |
| Brain, Cerebellum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | 1 |
| Brain, Cerebrum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | 1 |
| Peripheral Nerve | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 |
| Spinal Cord, Thoracic | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | 1 |
| Respiratory System | | | | | | | | | | | | | | | | | |
| Larynx | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 47 |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | 1 |
| Lung | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 |
| Alveolar/Bronchiolar Adenoma | | | | | | | | | | | | | X | | | | 11 |
| Alveolar/Bronchiolar Adenoma, Multiple | X | | X | X | X | | X | X | | X | X | X | | X | | X | 24 |

* ..Total animals with tissue examined microscopically; Total animals with tumor

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

BLANK ..Not examined microscopically

Experiment Number: 00602-05

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Mouse/B6C3F1/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/18/2014

Time Report Requested: 00:18:47

First Dose M/F: NA / NA

Lab: NCTR

| B6C3F1/NCTR Mouse Male
2.5%ETH/90PPMURE | DAY ON TEST | | | | | | | | | | | | | | | | ANIMAL ID | | |
|---|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------|--|----|
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | |
| | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | | | |
| | 6 | 6 | 6 | 4 | 6 | 3 | 6 | 6 | 6 | 6 | 5 | 3 | 6 | 6 | 5 | 6 | | | |
| | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | 5 | 4 | 4 | 1 | 4 | | | |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | | | |
| | 7 | 7 | 7 | 7 | 7 | 8 | 8 | 8 | 9 | 9 | 0 | 0 | 0 | 1 | 1 | 1 | | | |
| | 0 | 0 | 1 | 1 | 5 | 1 | 2 | 9 | 5 | 5 | 0 | 0 | 0 | 1 | 3 | 7 | | | |
| | 8 | 9 | 0 | 5 | 3 | 3 | 1 | 1 | 2 | 3 | 0 | 1 | 8 | 2 | 0 | 1 | | | |
| | *TOTALS | | | | | | | | | | | | | | | | | | |
| Alveolar/Bronchiolar Carcinoma | X | | | | | X | X | X | X | | X | X | | X | X | | | | 20 |
| Alveolar/Bronchiolar Carcinoma, Multiple | | | X | | | | | | | | | | | | | X | | | 4 |
| Carcinoma, Metastatic, Harderian Gland | | | | | | | | | | | | | | | | | | | 1 |
| Hepatocellular Carcinoma, Metastatic, Liver | | X | | | | | | | X | | | | | | | | | | 3 |
| Histiocytic Sarcoma | | | | | | | | | | | | | | | | | | | 4 |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | | | 2 |
| Sarcoma, Metastatic, Skin | | | | | | | | | | | | X | | | | | | | 3 |
| Nose | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | 48 |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | | | 1 |
| Trachea | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | 48 |
| Special Senses System | | | | | | | | | | | | | | | | | | | |
| Eye | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | 46 |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | | | 1 |
| Harderian Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | 48 |
| Adenoma | X | X | | | X | | X | X | | | | X | | | X | | X | | 19 |
| Bilateral, Adenoma | | | | | | | | | | | X | | | X | | | | | 8 |
| Bilateral, Carcinoma | | | | | | | | | | | | | | | | | | | 3 |
| Carcinoma | | | | X | | | | | X | X | | | | | X | | | | 13 |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | | | 1 |
| Lacrimal Gland | + | + | + | M | + | + | + | + | + | + | + | + | M | + | + | + | + | | 46 |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | | | 1 |
| Zymbal's Gland | + | + | + | M | + | + | + | + | + | M | + | + | + | + | M | + | + | | 43 |

* ..Total animals with tissue examined microscopically; Total animals with tumor

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

BLANK ..Not examined microscopically

Experiment Number: 00602-05

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Mouse/B6C3F1/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/18/2014

Time Report Requested: 00:18:48

First Dose M/F: NA / NA

Lab: NCTR

| B6C3F1/NCTR Mouse Male
2.5%ETH/90PPMURE | | DAY ON TEST | | | | | | | | | | | | | | | | | | ANIMAL ID | *TOTALS |
|--|--|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|-----------|---------|
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | |
| | | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | | | |
| | | 6 | 6 | 6 | 4 | 6 | 3 | 6 | 6 | 6 | 6 | 5 | 3 | 6 | 6 | 5 | 6 | 6 | | | |
| | | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | 5 | 4 | 4 | 1 | 4 | 4 | | | |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | | |
| | | 7 | 7 | 7 | 7 | 7 | 8 | 8 | 8 | 9 | 9 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | | | |
| | | 0 | 0 | 1 | 1 | 5 | 1 | 2 | 9 | 5 | 5 | 0 | 0 | 0 | 1 | 3 | 7 | 7 | | | |
| | | 8 | 9 | 0 | 5 | 3 | 3 | 1 | 1 | 2 | 3 | 0 | 1 | 8 | 2 | 0 | 1 | 2 | | | |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | | | | 1 | |
| Urinary System | | | | | | | | | | | | | | | | | | | | | |
| Kidney | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 47 | | |
| Hemangiosarcoma | | | | | | | | | | | | | | | | | | | | 2 | |
| Histiocytic Sarcoma | | | | | | | | | | | | | | | | | | | | 1 | |
| Lymphoma Malignant | | X | | | | | | | | | | | | | | | | | | 3 | |
| Renal Tubule, Adenoma, Multiple | | | | | | | | | | | | | | | | | | | | 1 | |
| Sarcoma, Metastatic, Skin | | | | | | | | | | | | | | X | | | | | | 1 | |
| Urinary Bladder | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 46 | | |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | | | | 1 | |
| SYSTEMIC LESIONS | | | | | | | | | | | | | | | | | | | | | |
| Multiple Organ | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 | | |
| Histiocytic Sarcoma | | | | | | | | | X | | | | | | | | | 7 | | | |
| Lymphoma Malignant | | X | X | | | | | | | X | | | | | X | | | 7 | | | |

* ..Total animals with tissue examined microscopically; Total animals with tumor

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

BLANK ..Not examined microscopically

Species/Strain: Mouse/B6C3F1/NCTR

CAS Number: URETHCOMB

Lab: NCTR

DAY ON TEST

B6C3F1/NCTR Mouse Male

5.0%ETH/0PPM URE

| | DAY ON TEST | 0 |
|--|-------------|
| B6C3F1/NCTR Mouse Male
5.0%ETH/0PPM URE | | 4 | 4 | 5 | 6 | 6 | 7 |
| | | 4 | 6 | 4 | 1 | 0 | 6 | 1 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 2 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| | | 7 | 4 | 2 | 2 | 7 | 4 | 0 | 3 | 5 | 5 | 4 |
| | ANIMAL ID | 0 |
| | | 0 |
| | | 1 | 1 | 1 | 2 | 2 | 4 | 4 | 4 | 5 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 8 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 |
| | | 1 | 4 | 9 | 1 | 4 | 2 | 7 | 2 | 2 | 8 | 8 | 8 | 8 | 3 | 3 | 3 | 8 | 0 | 0 | 6 | 6 | 6 | 6 | 7 | 2 | 2 | 2 | 2 | 9 | 9 | 9 | 9 | 9 | 0 |
| | | 4 | 8 | 9 | 7 | 5 | 6 | 2 | 7 | 4 | 5 | 4 | 5 | 6 | 7 | 6 | 7 | 8 | 2 | 3 | 4 | 5 | 7 | 8 | 9 | 0 | 7 | 8 | 9 | 8 | 9 | 8 | 9 | 8 | 0 |

Alimentary System

| | |
|--|---|
| Esophagus | + | |
| Gallbladder | A | + | + | A | + | + | + | + | M | + | + | + | M | + | + | + | + | M | + | + | + | M | + | + | + | + | + | + | + | + |
| Intestine Large, Cecum
Carcinoma | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Large, Colon | A | + |
| Intestine Large, Rectum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Small, Duodenum
Polyp Adenomatous | A | + | + | A | + | + | + | + | + | + | + | + | X | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Small, Ileum
Lymphoma Malignant | A | A | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Small, Jejunum
Lymphoma Malignant | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + |
| Liver | + |
| Hemangiosarcoma | | X | | | | | | | | | | | | | | X | | | | | | | | | | | | | | |
| Hepatocellular Adenoma | | | | | X | | X | X | X | | | | | X | | | X | | | | X | | X | | | | X | | X | X |
| Hepatocellular Adenoma, Multiple | | | | | | | | | | X | | | | | | | | | | | | | | X | | | | | | |
| Hepatocellular Carcinoma | X | | | | | | | X | | | | | | | | X | | X | | | | | | | | | | | | |
| Histiocytic Sarcoma | | | X | | | X | |
| Lymphoma Malignant | | | | | | | | | | X | |
| Sarcoma, Metastatic, Skin |
| Mesentery | | | | | | | | | | | | | | | | | + | | + | | + | | | | | | | | | |

Insufficient tissue

BLANK ..Not examined microscopically

Species/Strain: Mouse/B6C3F1/NCTR

CAS Number: URETHCOMB

Lab: NCTR

[illegible][illegible][illegible]

Insufficient tissue

BLANK ..Not examined microscopically

Experiment Number: 00602-05

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Mouse/B6C3F1/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/18/2014

Time Report Requested: 00:18:49

First Dose M/F: NA / NA

Lab: NCTR

| B6C3F1/NCTR Mouse Male
5.0%ETH/0PPM URE | DAY ON TEST | | | | | | | | | | | | | | | | |
|--|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ANIMAL ID | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| | 5 | 6 | 6 | 6 | 6 | 4 | 6 | 6 | 6 | 6 | 6 | 4 | 6 | 6 | 6 | 6 | 6 |
| | 2 | 4 | 4 | 4 | 4 | 7 | 4 | 4 | 4 | 4 | 4 | 8 | 4 | 4 | 4 | 4 | 4 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | 9 | 9 | 9 | 9 | 9 | 9 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 |
| | 4 | 6 | 6 | 6 | 6 | 9 | 3 | 3 | 7 | 7 | 7 | 1 | 2 | 2 | 9 | 9 | 9 |
| | 0 | 2 | 3 | 4 | 5 | 9 | 1 | 2 | 3 | 4 | 5 | 0 | 7 | 8 | 3 | 4 | 5 |
| *TOTALS | | | | | | | | | | | | | | | | | |

Alimentary System

| | | | | | | | | | | | | | | | | | |
|----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|
| Esophagus | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 47 |
| Gallbladder | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | 42 |
| Intestine Large, Cecum | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 45 |
| Carcinoma | | X | | | | | | | | | | | | | | | 1 |
| Intestine Large, Colon | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 47 |
| Intestine Large, Rectum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 47 |
| Intestine Small, Duodenum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 46 |
| Polyp Adenomatous | | | | | | | | | | | | | | | | | 1 |
| Intestine Small, Ileum | A | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | 42 |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | 1 |
| Intestine Small, Jejunum | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 45 |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | 1 |
| Liver | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 |
| Hemangiosarcoma | | | | | | | | | | | | | | | | | 2 |
| Hepatocellular Adenoma | | | | | X | | | X | X | X | | | X | | X | | 17 |
| Hepatocellular Adenoma, Multiple | | | | | | | | | | | | | | | | | 2 |
| Hepatocellular Carcinoma | | | X | | | X | | | | | | | | X | | | 7 |
| Histiocytic Sarcoma | | | | | | | | | | | | | | | | | 2 |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | 1 |
| Sarcoma, Metastatic, Skin | X | | | | | | | | | | | | | | | | 1 |
| Mesentery | | | | + | | | | | | | | | | | | | 4 |

* ..Total animals with tissue examined microscopically; Total animals with tumor

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

BLANK ..Not examined microscopically

Experiment Number: 00602-05

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Mouse/B6C3F1/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/18/2014

Time Report Requested: 00:18:49

First Dose M/F: NA / NA

Lab: NCTR

| B6C3F1/NCTR Mouse Male
5.0%ETH/0PPM URE | DAY ON TEST | | | | | | | | | | | | | | | | |
|--|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| | 5 | 6 | 6 | 6 | 6 | 4 | 6 | 6 | 6 | 6 | 6 | 4 | 6 | 6 | 6 | 6 | 6 |
| ANIMAL ID | 2 | 4 | 4 | 4 | 4 | 7 | 4 | 4 | 4 | 4 | 4 | 8 | 4 | 4 | 4 | 4 | 4 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | 9 | 9 | 9 | 9 | 9 | 9 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 |
| | 4 | 6 | 6 | 6 | 6 | 9 | 3 | 3 | 7 | 7 | 7 | 1 | 2 | 2 | 9 | 9 | 9 |
| | 0 | 2 | 3 | 4 | 5 | 9 | 1 | 2 | 3 | 4 | 5 | 0 | 7 | 8 | 3 | 4 | 5 |
| | *TOTALS | | | | | | | | | | | | | | | | |
| Hemangiosarcoma | X | | | | | | | | | | | | | | | | |
| Pancreas | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | |
| Salivary Glands | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Sarcoma, Metastatic, Skin | | | | | | | | | | | | | | | | | |
| Stomach, Forestomach | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Squamous Cell Papilloma | | | | | | | | | | | | | | | | | |
| Stomach, Glandular | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Adenoma | X | | | | | | | | | | | | | | | | |
| Lymphoma Malignant | X | | | | | | | | | | | | | | | | |
| Tongue | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Cardiovascular System | | | | | | | | | | | | | | | | | |
| Blood Vessel | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Heart | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Histiocytic Sarcoma | | | | | | | | | | | | | | | | | |
| Lymphoma Malignant | X | | | | | | | | | | | | | | | | |
| Endocrine System | | | | | | | | | | | | | | | | | |
| Adrenal Gland, Cortex | M | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Adenoma | | | | | | | | | | | | | | | | | |
| Subcapsular, Adenoma | | | | | | | | | | | | | | | | | |
| Adrenal Gland, Medulla | M | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Pheochromocytoma Benign | X | | | | | | | | | | | | | | | | |

* ..Total animals with tissue examined microscopically; Total animals with tumor

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

BLANK ..Not examined microscopically

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

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
Test Compound: Urethane + ethanol (combination)
CAS Number: URETHCOMB

Date Report Requested: 10/18/2014
Time Report Requested: 00:18:50
First Dose M/F: NA / NA
Lab: NCTR

| B6C3F1/NCTR Mouse Male
5.0%ETH/0PPM URE | DAY ON TEST | | | | | | | | | | | | | | | | |
|--|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| | 5 | 6 | 6 | 6 | 6 | 4 | 6 | 6 | 6 | 6 | 6 | 4 | 6 | 6 | 6 | 6 | 6 |
| ANIMAL ID | 2 | 4 | 4 | 4 | 4 | 7 | 4 | 4 | 4 | 4 | 4 | 8 | 4 | 4 | 4 | 4 | 4 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | 9 | 9 | 9 | 9 | 9 | 9 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 |
| | 4 | 6 | 6 | 6 | 6 | 9 | 3 | 3 | 7 | 7 | 7 | 1 | 2 | 2 | 9 | 9 | 9 |
| | 0 | 2 | 3 | 4 | 5 | 9 | 1 | 2 | 3 | 4 | 5 | 0 | 7 | 8 | 3 | 4 | 5 |
| *TOTALS | | | | | | | | | | | | | | | | | |
| Islets, Pancreatic | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 |
| Parathyroid Gland | + | + | + | + | + | + | + | + | + | + | + | M | + | M | + | + | 38 |
| Pituitary Gland | M | + | + | + | + | M | + | + | + | + | + | + | M | + | + | + | 39 |
| Thyroid Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 45 |
| Follicular Cel, Adenoma | | | | | | | | | | | | | | | | | 1 |
| General Body System | | | | | | | | | | | | | | | | | |
| NONE | | | | | | | | | | | | | | | | | |
| Genital System | | | | | | | | | | | | | | | | | |
| Coagulating Gland | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 47 |
| Epididymis | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 |
| Preputial Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 45 |
| Prostate | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 46 |
| Lymphoma Malignant | | | | | | | | | | | | | X | | | | 1 |
| Seminal Vesicle | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 47 |
| Testes | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 |
| Hemangioma | | | X | | | | | | | | | | | | | | 1 |
| Hematopoietic System | | | | | | | | | | | | | | | | | |
| Bone Marrow | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 |
| Lymph Node | | | | | | | | | | | | | | | | | 2 |
| Axillary, Histiocytic Sarcoma | | | | | | | | | | | | | | | | | 1 |
| Renal, Lymphoma Malignant | | | | | | | | | | | | | | | | | 1 |

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

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

Experiment Number: 00602-05

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Mouse/B6C3F1/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/18/2014

Time Report Requested: 00:18:50

First Dose M/F: NA / NA

Lab: NCTR

| B6C3F1/NCTR Mouse Male
5.0%ETH/0PPM URE | DAY ON TEST | | | | | | | | | | | | | | | | | ANIMAL ID | | *TOTALS |
|--|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------|--|---------|
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | |
| | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | | | |
| | 5 | 6 | 6 | 6 | 6 | 4 | 6 | 6 | 6 | 6 | 6 | 4 | 6 | 6 | 6 | 6 | 6 | | | |
| | 2 | 4 | 4 | 4 | 4 | 7 | 4 | 4 | 4 | 4 | 4 | 8 | 4 | 4 | 4 | 4 | 4 | | | |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | |
| | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | | |
| | 9 | 9 | 9 | 9 | 9 | 9 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | | | |
| | 4 | 6 | 6 | 6 | 6 | 9 | 3 | 3 | 7 | 7 | 7 | 1 | 2 | 2 | 2 | 9 | 9 | | | |
| | 0 | 2 | 3 | 4 | 5 | 9 | 1 | 2 | 3 | 4 | 5 | 0 | 7 | 8 | 3 | 4 | 5 | | | |
| Lymph Node, Mandibular | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | 48 |
| Lymphoma Malignant | | | | | | | | | | | | | X | | | | | | | 2 |
| Sarcoma, Metastatic, Skin | | | | | | X | | | | | | | | | | | | | | 2 |
| Lymph Node, Mesenteric | M | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | | | 46 |
| Lymphoma Malignant | | | X | | | | | | X | | X | | | | | | | | | 6 |
| Spleen | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | 48 |
| Histiocytic Sarcoma | | | | | | | | | | | | | | | | | | | | 2 |
| Lymphoma Malignant | | | | X | | | | X | X | | X | | X | | | | | | | 9 |
| Thymus | + | + | + | + | + | M | + | M | + | + | + | + | M | + | M | + | M | | | 34 |
| Integumentary System | | | | | | | | | | | | | | | | | | | | |
| Mammary Gland | M | M | M | M | M | M | M | M | M | M | M | M | M | M | M | M | + | M | | 1 |
| Skin | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | 48 |
| Fibroma | | | | | | | | | | | | | X | | | | | | | 2 |
| Sarcoma | | | | X | | X | | | | | | X | | X | | | X | | | 10 |
| Sarcoma, Multiple | X | | | | | | | | | | | | | | | | | | | 2 |
| Musculoskeletal System | | | | | | | | | | | | | | | | | | | | |
| Bone | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | 48 |
| Skeletal Muscle | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | 48 |
| Nervous System | | | | | | | | | | | | | | | | | | | | |
| Brain, Cerebellum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | 47 |
| Brain, Cerebrum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | 48 |

* ..Total animals with tissue examined microscopically; Total animals with tumor

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

BLANK ..Not examined microscopically

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

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Test Compound: Urethane + ethanol (combination)
 CAS Number: URETHCOMB

Date Report Requested: 10/18/2014
 Time Report Requested: 00:18:50
 First Dose M/F: NA / NA
 Lab: NCTR

| B6C3F1/NCTR Mouse Male
5.0%ETH/0PPM URE | DAY ON TEST | | | | | | | | | | | | | | | | | ANIMAL ID | | *TOTALS |
|--|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------|--|---------|
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | |
| | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | | | |
| | 5 | 6 | 6 | 6 | 6 | 4 | 6 | 6 | 6 | 6 | 6 | 4 | 6 | 6 | 6 | 6 | 6 | | | |
| | 2 | 4 | 4 | 4 | 4 | 7 | 4 | 4 | 4 | 4 | 4 | 8 | 4 | 4 | 4 | 4 | 4 | | | |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | |
| | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | | |
| | 9 | 9 | 9 | 9 | 9 | 9 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | | | |
| | 4 | 6 | 6 | 6 | 6 | 9 | 3 | 3 | 7 | 7 | 7 | 1 | 2 | 2 | 9 | 9 | 9 | | | |
| | 0 | 2 | 3 | 4 | 5 | 9 | 1 | 2 | 3 | 4 | 5 | 0 | 7 | 8 | 3 | 4 | 5 | | | |
| Peripheral Nerve | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | 47 |
| Schwannoma Malignant | | | | | | | | | | | | | | | | | | | | 1 |
| Spinal Cord, Thoracic | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | 48 |
| Respiratory System | | | | | | | | | | | | | | | | | | | | |
| Larynx | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | 46 |
| Lung | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | 48 |
| Alveolar/Bronchiolar Adenoma | | | | | | | | | | X | | | | | | X | | | | 5 |
| Alveolar/Bronchiolar Adenoma, Multiple | | | | | | | | | | | | | | | | | X | | | 1 |
| Alveolar/Bronchiolar Carcinoma | | | X | | | | | | | | | | | | | | | | | 5 |
| Lymphoma Malignant | | | | | | | | | | | | | X | | | | | | | 2 |
| Sarcoma, Metastatic, Skin | | | | | | | | | | | | | | | | | | | | 1 |
| Nose | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | 48 |
| Trachea | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | 47 |
| Special Senses System | | | | | | | | | | | | | | | | | | | | |
| Eye | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | 48 |
| Schwannoma Malignant, Metastatic, | | | | | | | | | | | | | | | | | | | | 1 |
| Peripheral Nerve | | | | | | | | | | | | | | | | | | | | |
| Harderian Gland | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | | | 47 |
| Adenoma | | | | | | | X | | X | | | | X | X | | | | | | 5 |
| Lacrimal Gland | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | | | 47 |
| Zymbal's Gland | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | 46 |

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

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

Experiment Number: 00602-05

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Mouse/B6C3F1/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/18/2014

Time Report Requested: 00:18:50

First Dose M/F: NA / NA

Lab: NCTR

| B6C3F1/NCTR Mouse Male
5.0%ETH/0PPM URE | | DAY ON TEST | | | | | | | | | | | | | | | | | | ANIMAL ID | |
|--|--|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---------|-----------|--|
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | |
| | | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | | | |
| | | 5 | 6 | 6 | 6 | 6 | 4 | 6 | 6 | 6 | 6 | 4 | 6 | 6 | 6 | 6 | 6 | 6 | | | |
| | | 2 | 4 | 4 | 4 | 4 | 7 | 4 | 4 | 4 | 4 | 4 | 8 | 4 | 4 | 4 | 4 | 4 | | | |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | *TOTALS | | |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | | | |
| | | 9 | 9 | 9 | 9 | 9 | 9 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | | | | |
| | | 4 | 6 | 6 | 6 | 6 | 9 | 3 | 3 | 7 | 7 | 7 | 1 | 2 | 2 | 9 | 9 | | | | |
| | | 0 | 2 | 3 | 4 | 5 | 9 | 1 | 2 | 3 | 4 | 5 | 0 | 7 | 8 | 3 | 4 | 5 | | | |
| Urinary System | | | | | | | | | | | | | | | | | | | | | |
| Kidney | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 | | |
| Urinary Bladder | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 | | |
| Hemangioma | | | | | | | | | | | | | | | | | | | 2 | | |
| Lymphoma Malignant | | | | | | | | | | | | | | X | | | | | 1 | | |
| SYSTEMIC LESIONS | | | | | | | | | | | | | | | | | | | | | |
| Multiple Organ | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 | | |
| Histiocytic Sarcoma | | | | | | | | | | | | | | | | | | | 2 | | |
| Lymphoma Malignant | | | | X | X | | | | X | X | | X | | X | | | | | 12 | | |

* ..Total animals with tissue examined microscopically; Total animals with tumor

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

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BLANK ..Not examined microscopically

Experiment Number: 00602-05

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Mouse/B6C3F1/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/18/2014

Time Report Requested: 00:18:50

First Dose M/F: NA / NA

Lab: NCTR

| B6C3F1/NCTR Mouse Male
5.0%ETH/10PPMURE | DAY ON TEST | |
|--|-------------|
| | 0 | 0 |
| | 1 | 2 | 2 | 3 | 4 | 5 | 5 | 5 | 6 | 5 | 6 | 6 | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| | 3 | 6 | 9 | 8 | 2 | 2 | 1 | 4 | 2 | 9 | 6 | 6 | 0 | 8 | 4 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 4 | 7 | 4 | 4 | 4 | 3 |
| ANIMAL ID | 0 | 0 |
| | 0 | 0 |
| | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 4 | 4 | 4 | 4 | 4 | 5 | 5 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 7 | 7 | 7 | 8 |
| | 3 | 7 | 9 | 0 | 1 | 5 | 7 | 0 | 2 | 2 | 3 | 3 | 4 | 6 | 9 | 1 | 1 | 1 | 7 | 7 | 7 | 7 | 2 | 3 | 9 | 7 | 7 | 0 |
| | 9 | 5 | 4 | 5 | 5 | 0 | 5 | 5 | 6 | 7 | 0 | 3 | 7 | 2 | 9 | 3 | 4 | 5 | 2 | 3 | 4 | 5 | 9 | 0 | 5 | 7 | 2 | 8 |

Alimentary System

| |
|----------------------------------|
| Esophagus | + | M |
| Gallbladder | + | A | A | A | A | + | A | + | + | + | A | M | + | A | + | + | + | + | + | + | + | + | + | + | M | + | + | + |
| Intestine Large, Cecum | + | A | + | + | + | + | A | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Large, Colon | + | A | + | + | + | + | A | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Large, Rectum | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | M | + | + | + | + | + | + |
| Carcinoma | | | | | | | | | X | | | | | | | | | | | | | | | | | | | |
| Intestine Small, Duodenum | + | A | A | A | + | + | A | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Leukemia Granulocytic | | | | | X | |
| Lymphoma Malignant | X |
| Intestine Small, Ileum | + | A | + | + | + | + | A | + | + | + | A | A | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Lymphoma Malignant | X |
| Intestine Small, Jejunum | + | A | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Leukemia Granulocytic | | | | | X | |
| Lymphoma Malignant | | | | | | | | | | | | | X | | | | | | | | | | | | | | | |
| Liver | + | A | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Hemangioma |
| Hemangiosarcoma | | | | | | | | | X | | | | | | | | | | | | | | | | | | | |
| Hepatocellular Adenoma | | | | | | | | | | | | | | X | | | | | | | X | | X | | X | | | |
| Hepatocellular Adenoma, Multiple | | X | X | |
| Hepatocellular Carcinoma | | | | | | | | X | | X | | | | X | | | | X | | | | | | X | | | X | |
| Leukemia Granulocytic | | | | X | |

* ..Total animals with tissue examined microscopically; Total animals with tumor

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

BLANK ..Not examined microscopically

Experiment Number: 00602-05

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Mouse/B6C3F1/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/18/2014

Time Report Requested: 00:18:51

First Dose M/F: NA / NA

Lab: NCTR

| B6C3F1/NCTR Mouse Male
5.0%ETH/10PPMURE | DAY ON TEST | |
|--|-------------|
| | 0 | 0 |
| | 1 | 2 | 2 | 3 | 4 | 5 | 5 | 5 | 6 | 5 | 6 | 6 | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| | 3 | 6 | 9 | 4 | 1 | 9 | 7 | 2 | 0 | 2 | 2 | 3 | 1 | 0 | 7 | 5 | 5 | 5 | 4 | 4 | 4 | 4 | 4 | 4 | 7 | 4 | 4 | 9 |
| ANIMAL ID | 0 | 0 |
| | 0 | 0 |
| | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 4 | 4 | 4 | 4 | 4 | 5 | 5 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 7 | 7 | 7 | 8 |
| | 3 | 7 | 9 | 0 | 1 | 5 | 7 | 0 | 2 | 2 | 3 | 3 | 4 | 6 | 9 | 1 | 1 | 1 | 7 | 7 | 7 | 7 | 2 | 3 | 9 | 9 | 7 | 0 |
| | 9 | 5 | 4 | 5 | 5 | 0 | 5 | 5 | 6 | 7 | 0 | 3 | 7 | 2 | 9 | 3 | 4 | 5 | 2 | 3 | 4 | 5 | 9 | 0 | 5 | 7 | 2 | 8 |
| Lymphoma Malignant | X |
| Mesentery | |
| Pancreas | + | A | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Leukemia Granulocytic | | | | | X | |
| Salivary Glands | + | + |
| Leukemia Granulocytic | | | | | X | |
| Stomach, Forestomach | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Leukemia Granulocytic | | | | | X | |
| Squamous Cell Carcinoma | |
| Squamous Cell Papilloma | |
| Stomach, Glandular | + | A | + | A | + |
| Leukemia Granulocytic | | | | | X | |
| Tongue | + | + |
| Squamous Cell Carcinoma | |
| Cardiovascular System | |
| Blood Vessel | + | + | M |
| Heart | + | + |
| Endocrine System | |
| Adrenal Gland, Cortex | + | A | + |
| Adenoma | |
| Leukemia Granulocytic | | | | | X | |
| Adrenal Gland, Medulla | + | A | + |

* ..Total animals with tissue examined microscopically; Total animals with tumor

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

BLANK ..Not examined microscopically

Experiment Number: 00602-05

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Mouse/B6C3F1/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/18/2014

Time Report Requested: 00:18:51

First Dose M/F: NA / NA

Lab: NCTR

| B6C3F1/NCTR Mouse Male
5.0%ETH/10PPMURE | DAY ON TEST | |
|--|-------------|
| | 0 | 0 |
| | 1 | 2 | 2 | 3 | 4 | 5 | 5 | 5 | 6 | 5 | 6 | 6 | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| | 3 | 6 | 9 | 8 | 4 | 1 | 9 | 7 | 2 | 0 | 2 | 2 | 3 | 1 | 0 | 7 | 5 | 5 | 5 | 4 | 4 | 4 | 4 | 4 | 4 | 7 | 4 | 4 |
| ANIMAL ID | 0 | 0 |
| | 0 | 0 |
| | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 4 | 4 | 4 | 4 | 4 | 5 | 5 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 7 | 7 | 7 |
| | 3 | 7 | 9 | 0 | 1 | 5 | 7 | 0 | 2 | 2 | 3 | 3 | 4 | 6 | 9 | 1 | 1 | 1 | 7 | 7 | 7 | 7 | 2 | 3 | 9 | 9 | 7 | 7 |
| | 9 | 5 | 4 | 5 | 5 | 0 | 5 | 5 | 6 | 7 | 0 | 3 | 7 | 2 | 9 | 3 | 4 | 5 | 2 | 3 | 4 | 5 | 9 | 0 | 5 | 7 | 2 | 3 |
| Leukemia Granulocytic | | | | | X | |
| Pheochromocytoma Benign | | X | X | | | X | | X |
| Islets, Pancreatic | + | A | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Adenoma | |
| Leukemia Granulocytic | | | | | X | |
| Parathyroid Gland | + | + | + | + | + | + | + | + | + | + | M | M | + | M | + | + | + | + | + | + | M | + | + | + | + | + | + | + |
| Pituitary Gland | M | + | + | + | M | + | + | + | + | + | + | + | M | A | M | M | M | + | M | + | + | + | + | + | + | + | + | + |
| Thyroid Gland | + | + |
| General Body System | |
| NONE | |
| Genital System | |
| Coagulating Gland | + | A | + |
| Epididymis | + | + |
| Leukemia Granulocytic | | | | | X | |
| Preputial Gland | M | + |
| Prostate | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + |
| Leukemia Granulocytic | | | | | X | |
| Seminal Vesicle | + | A | + |
| Leukemia Granulocytic | | | | | X | |
| Testes | + | + |
| Interstit Cell, Adenoma | |

* ..Total animals with tissue examined microscopically; Total animals with tumor

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

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| B6C3F1/NCTR Mouse Male
5.0%ETH/10PPMURE | DAY ON TEST | |
|--|-------------|
| | 0 | 0 |
| | 1 | 2 | 2 | 3 | 4 | 5 | 5 | 5 | 6 | 5 | 6 | 6 | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| | 3 | 6 | 9 | 8 | 2 | 2 | 1 | 4 | 2 | 9 | 6 | 6 | 0 | 8 | 4 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 4 | 6 | 6 | 6 | 6 | 3 |
| ANIMAL ID | 0 | 0 |
| | 0 | 0 |
| | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 4 | 4 | 4 | 4 | 4 | 5 | 5 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 7 | 7 | 7 | 8 |
| | 3 | 7 | 9 | 0 | 1 | 5 | 7 | 0 | 2 | 2 | 3 | 3 | 4 | 6 | 9 | 1 | 1 | 1 | 7 | 7 | 7 | 2 | 3 | 9 | 9 | 7 | 7 | 0 |
| | 9 | 5 | 4 | 5 | 5 | 0 | 5 | 5 | 6 | 7 | 0 | 3 | 7 | 2 | 9 | 3 | 4 | 5 | 2 | 3 | 4 | 5 | 9 | 0 | 5 | 7 | 2 | 8 |

Hematopoietic System

| |
|------------------------------|
| Bone Marrow | + | A | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Hemangiosarcoma |
| Leukemia Granulocytic | | | | | X | |
| Lymph Node | | | + | | + |
| Inguinal, Lymphoma Malignant | | X |
| Renal, Lymphoma Malignant | X |
| Lymph Node, Mandibular | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Leukemia Granulocytic | | | | | X | |
| Lymphoma Malignant | X |
| Sarcoma, Metastatic, Skin | X |
| Lymph Node, Mesenteric | + | M | + | + | + | + | A | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | M | + | + |
| Leukemia Granulocytic | | | | | X | |
| Lymphoma Malignant | | | | | | | | | | | | | X | | | | | | | | | | | | | | | X |
| Spleen | + | A | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Hemangiosarcoma |
| Leukemia Granulocytic | | | | | X | |
| Lymphoma Malignant | | | | | | | | | | | | | X | | | | X | | | | | | | | | | | X |
| Thymus | + | + | + | M | + | + | M | + | + | M | + | + | + | M | + | + | M | M | + | + | + | M | M | + | + | M | M | + |
| Leukemia Granulocytic | | | | | X | |
| Lymphoma Malignant | | | | | | | | | | | | | X | | | | | | | | | | | | | | | |

Integumentary System

* ..Total animals with tissue examined microscopically; Total animals with tumor

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

BLANK ..Not examined microscopically

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Lab: NCTR

| B6C3F1/NCTR Mouse Male
5.0%ETH/10PPMURE | DAY ON TEST | |
|--|-------------|
| | 0 | 0 |
| | 1 | 2 | 2 | 3 | 4 | 5 | 5 | 5 | 6 | 5 | 6 | 6 | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| | 1 | 9 | 9 | 8 | 2 | 2 | 1 | 4 | 2 | 9 | 6 | 6 | 0 | 8 | 4 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 4 | 6 | 6 | 6 | 6 | 3 |
| ANIMAL ID | 3 | 6 | 9 | 4 | 1 | 9 | 7 | 2 | 0 | 2 | 2 | 3 | 1 | 0 | 7 | 5 | 5 | 5 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 9 |
| | 0 | 0 |
| | 0 | 0 |
| | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 4 | 4 | 4 | 4 | 4 | 5 | 5 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 7 | 7 | 7 | 8 |
| | 3 | 7 | 9 | 0 | 1 | 5 | 7 | 0 | 2 | 2 | 3 | 3 | 4 | 6 | 9 | 1 | 1 | 1 | 7 | 7 | 7 | 2 | 3 | 9 | 9 | 7 | 7 | 0 |
| | 9 | 5 | 4 | 5 | 5 | 0 | 5 | 5 | 6 | 7 | 0 | 3 | 7 | 2 | 9 | 3 | 4 | 5 | 2 | 3 | 4 | 5 | 9 | 0 | 5 | 7 | 2 | 8 |
| Mammary Gland | M | M |
| Skin | + | A | + |
| Fibroma | | X | | | | | | |
| Sarcoma | | | | | | | | X | | | | | | X | X | | | | | | | | X | X | | | X | X |
| Sarcoma, Multiple | | | | | | | | X | |
| Squamous Cell Papilloma | | | | | | | | | | | X | | | | | | | | | | | | | | | | | |
| Musculoskeletal System | |
| Bone | + | + |
| Skeletal Muscle | + | + |
| Sarcoma | |
| Sarcoma, Metastatic, Skin | | X | | | | |
| Nervous System | |
| Brain, Cerebellum | + | + |
| Brain, Cerebrum | + | + |
| Meninges, Leukemia Granulocytic | | | | | X | |
| Peripheral Nerve | + | + |
| Spinal Cord, Thoracic | + | + |
| Respiratory System | |
| Larynx | + | + | M |
| Leukemia Granulocytic | | | | | X | |
| Lung | + | + |

* ..Total animals with tissue examined microscopically; Total animals with tumor

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

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5.0%ETH/10PPMURE | DAY ON TEST | |
|---|-------------|
| | 0 | 0 |
| | 1 | 2 | 2 | 3 | 4 | 5 | 5 | 5 | 6 | 5 | 6 | 6 | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| | 1 | 9 | 9 | 8 | 2 | 2 | 1 | 4 | 2 | 9 | 6 | 6 | 0 | 8 | 4 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 4 | 6 | 6 | 6 | 6 | 3 |
| ANIMAL ID | 3 | 6 | 9 | 4 | 1 | 9 | 7 | 2 | 0 | 2 | 2 | 3 | 1 | 0 | 7 | 5 | 5 | 5 | 4 | 4 | 4 | 4 | 4 | 4 | 7 | 4 | 4 | 9 |
| | 0 | 0 |
| | 0 | 0 |
| | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 4 | 4 | 4 | 4 | 4 | 5 | 5 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 7 | 7 | 7 |
| | 3 | 7 | 9 | 0 | 1 | 5 | 7 | 0 | 2 | 2 | 3 | 3 | 4 | 6 | 9 | 1 | 1 | 1 | 7 | 7 | 7 | 2 | 3 | 9 | 9 | 7 | 7 | 0 |
| | 9 | 5 | 4 | 5 | 5 | 0 | 5 | 5 | 6 | 7 | 0 | 3 | 7 | 2 | 9 | 3 | 4 | 5 | 2 | 3 | 4 | 5 | 9 | 0 | 5 | 7 | 2 | 8 |
| Alveolar/Bronchiolar Adenoma | |
| Alveolar/Bronchiolar Adenoma, Multiple | |
| Alveolar/Bronchiolar Carcinoma | |
| Hepatocellular Carcinoma, Metastatic, Liver | |
| Leukemia Granulocytic | |
| Lymphoma Malignant | |
| Sarcoma, Metastatic, Skin | |
| Nose | + | + |
| Leukemia Granulocytic | |
| Trachea | + | + |
| Leukemia Granulocytic | |
| Special Senses System | |
| Eye | + | + |
| Leukemia Granulocytic | |
| Harderian Gland | + | + |
| Adenoma | |
| Carcinoma | |
| Leukemia Granulocytic | |
| Lacrimal Gland | + | + | + | + | + | M | + |
| Leukemia Granulocytic | |
| Zymbal's Gland | + | + | + | + | + | + | + | M | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Leukemia Granulocytic | |

* ..Total animals with tissue examined microscopically; Total animals with tumor

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

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5.0%ETH/10PPMURE | DAY ON TEST | |
|--|-------------|
| | 0 | 0 |
| | 1 | 2 | 2 | 3 | 4 | 5 | 5 | 5 | 6 | 5 | 6 | 6 | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| | 3 | 6 | 9 | 4 | 1 | 9 | 7 | 2 | 0 | 2 | 2 | 3 | 1 | 0 | 7 | 5 | 5 | 4 | 4 | 4 | 4 | 4 | 4 | 7 | 4 | 4 | 4 | 4 | 9 |
| ANIMAL ID | 0 | 0 |
| | 0 | 0 |
| | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 4 | 4 | 4 | 4 | 4 | 5 | 5 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 7 | 7 | 7 | 7 |
| | 3 | 7 | 9 | 0 | 1 | 5 | 7 | 0 | 2 | 2 | 3 | 3 | 4 | 6 | 9 | 1 | 1 | 1 | 7 | 7 | 7 | 2 | 3 | 9 | 9 | 7 | 7 | 7 | 0 |
| | 9 | 5 | 4 | 5 | 5 | 0 | 5 | 5 | 6 | 7 | 0 | 3 | 7 | 2 | 9 | 3 | 4 | 5 | 2 | 3 | 4 | 5 | 9 | 0 | 5 | 2 | 3 | 4 | 8 |

Urinary System

| |
|-----------------------|
| Kidney | + | A | + |
| Leukemia Granulocytic | | | | | X | |
| Urethra | | | | | | | | | + | |
| Urinary Bladder | + | A | + |
| Hemangioma | X | | | | | | | |
| Leukemia Granulocytic | | | | | X | |

SYSTEMIC LESIONS

| |
|-----------------------|
| Multiple Organ | + |
| Leukemia Granulocytic | | | | | X | |
| Lymphoma Malignant | | | | | | | | | | | | X | | | | X | | | | | | | | | | | | X | |

* ..Total animals with tissue examined microscopically; Total animals with tumor

+ ..Tissue examined microscopically

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| B6C3F1/NCTR Mouse Male
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|--|-----------|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---------|
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | |
| | | 1 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 4 | 6 | 6 | 6 | |
| | | 1 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 8 | 4 | 4 | |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | |
| | | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | |
| | | 1 | 3 | 0 | 0 | 0 | 0 | 6 | 2 | 2 | 2 | 6 | 6 | 6 | 0 | 2 | 2 | |
| | | 0 | 3 | 4 | 5 | 6 | 7 | 9 | 4 | 5 | 6 | 7 | 8 | 9 | 9 | 2 | 3 | |

Alimentary System

| | | | | | | | | | | | | | | | | | | |
|----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|
| Esophagus | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | 46 |
| Gallbladder | + | + | + | + | + | + | + | + | + | M | + | + | + | A | + | + | + | 37 |
| Intestine Large, Cecum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 45 |
| Intestine Large, Colon | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 45 |
| Intestine Large, Rectum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 46 |
| Carcinoma | | | | | | | | | | | | | | | | | | 1 |
| Intestine Small, Duodenum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 43 |
| Leukemia Granulocytic | | | | | | | | | | | | | | | | | | 1 |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | | 1 |
| Intestine Small, Ileum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 43 |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | | 1 |
| Intestine Small, Jejunum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 46 |
| Leukemia Granulocytic | | | | | | | | | | | | | | | | | | 1 |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | | 1 |
| Liver | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 46 |
| Hemangioma | | | | | | | | | X | | | X | | | | | | 2 |
| Hemangiosarcoma | | | | X | | | | | | | | | | | | | | 2 |
| Hepatocellular Adenoma | | X | X | | | | | | | | | | | | | | | 6 |
| Hepatocellular Adenoma, Multiple | | | | X | | | | | | | | | | | | | | 3 |
| Hepatocellular Carcinoma | | | | | | | X | | | | | | | X | | X | | 9 |
| Leukemia Granulocytic | | | | | | | | | | | | | | | | | | 1 |

* ..Total animals with tissue examined microscopically; Total animals with tumor

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

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First Dose M/F: NA / NA

Lab: NCTR

| B6C3F1/NCTR Mouse Male
5.0%ETH/10PPMURE | DAY ON TEST | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
|--|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---------|
| | | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | |
| | | 1 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 4 | 6 | 6 | 6 | |
| | | 1 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 8 | 4 | 4 | 4 |
| | ANIMAL ID | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | |
| | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | |
| | 1 | 3 | 0 | 0 | 0 | 0 | 6 | 2 | 2 | 2 | 6 | 6 | 6 | 0 | 2 | 2 | 2 | 8 | |
| | 0 | 3 | 4 | 5 | 6 | 7 | 9 | 4 | 5 | 6 | 7 | 8 | 9 | 9 | 2 | 3 | 9 | | *TOTALS |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | | | 1 |
| Mesentery | | | | | | | | | | | | | | | | | + | | 1 |
| Pancreas | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | 46 |
| Leukemia Granulocytic | | | | | | | | | | | | | | | | | | | 1 |
| Salivary Glands | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | 48 |
| Leukemia Granulocytic | | | | | | | | | | | | | | | | | | | 1 |
| Stomach, Forestomach | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | 47 |
| Leukemia Granulocytic | | | | | | | | | | | | | | | | | | | 1 |
| Squamous Cell Carcinoma | | | | | | X | | | | | | | | | | | | | 1 |
| Squamous Cell Papilloma | | | | | | X | | | | | | X | | | | | | | 2 |
| Stomach, Glandular | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | 46 |
| Leukemia Granulocytic | | | | | | | | | | | | | | | | | | | 1 |
| Tongue | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | 48 |
| Squamous Cell Carcinoma | | | | X | | | | | | | | | | | | | | | 1 |
| Cardiovascular System | | | | | | | | | | | | | | | | | | | |
| Blood Vessel | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | | 46 |
| Heart | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | 48 |
| Endocrine System | | | | | | | | | | | | | | | | | | | |
| Adrenal Gland, Cortex | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | 47 |
| Adenoma | | | | | | | | | | | X | | | | | | | | 3 |
| Leukemia Granulocytic | | | | | | | | | | | | | | | | | | | 1 |
| Adrenal Gland, Medulla | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | | 46 |

* ..Total animals with tissue examined microscopically; Total animals with tumor

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

BLANK ..Not examined microscopically

Experiment Number: 00602-05

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Mouse/B6C3F1/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/18/2014

Time Report Requested: 00:18:53

First Dose M/F: NA / NA

Lab: NCTR

| B6C3F1/NCTR Mouse Male
5.0%ETH/10PPMURE | DAY ON TEST | | | | | | | | | | | | | | | | |
|--|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| | 1 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 4 | 6 | 6 | 6 |
| ANIMAL ID | 1 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 8 | 4 | 4 | 4 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 |
| | 1 | 3 | 0 | 0 | 0 | 0 | 6 | 2 | 2 | 2 | 6 | 6 | 6 | 0 | 2 | 2 | 8 |
| | 0 | 3 | 4 | 5 | 6 | 7 | 9 | 4 | 5 | 6 | 7 | 8 | 9 | 9 | 2 | 3 | 9 |
| | *TOTALS | | | | | | | | | | | | | | | | |
| Leukemia Granulocytic | | | | | | | | | | | | | | | | | 1 |
| Pheochromocytoma Benign | | | | | | X | | | | | | X | | | | | 6 |
| Islets, Pancreatic | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 46 |
| Adenoma | | | | | | | | | | X | | | | | | | 1 |
| Leukemia Granulocytic | | | | | | | | | | | | | | | | | 1 |
| Parathyroid Gland | + | + | + | + | + | + | M | + | M | + | + | + | + | + | M | + | 38 |
| Pituitary Gland | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | 39 |
| Thyroid Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | 47 |
| General Body System | | | | | | | | | | | | | | | | | |
| NONE | | | | | | | | | | | | | | | | | |
| Genital System | | | | | | | | | | | | | | | | | |
| Coagulating Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 47 |
| Epididymis | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 |
| Leukemia Granulocytic | | | | | | | | | | | | | | | | | 1 |
| Preputial Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | 46 |
| Prostate | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 46 |
| Leukemia Granulocytic | | | | | | | | | | | | | | | | | 1 |
| Seminal Vesicle | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 47 |
| Leukemia Granulocytic | | | | | | | | | | | | | | | | | 1 |
| Testes | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 |
| Interstit Cell, Adenoma | | | | | | | | | | | | | X | | | | 1 |

* ..Total animals with tissue examined microscopically; Total animals with tumor

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

BLANK ..Not examined microscopically

Experiment Number: 00602-05

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Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/18/2014

Time Report Requested: 00:18:53

First Dose M/F: NA / NA

Lab: NCTR

| B6C3F1/NCTR Mouse Male
5.0%ETH/10PPMURE | DAY ON TEST | ANIMAL ID | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|--|-------------|-----------|---------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| | | | 1 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 4 | 6 | 6 | 6 |
| | | | 1 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 8 | 4 | 4 | 4 |
| | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | | | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 |
| | | | 1 | 3 | 0 | 0 | 0 | 0 | 6 | 2 | 2 | 2 | 6 | 6 | 0 | 2 | 2 | 8 |
| | | | 0 | 3 | 4 | 5 | 6 | 7 | 9 | 4 | 5 | 6 | 7 | 8 | 9 | 2 | 3 | 9 |
| | | | *TOTALS | | | | | | | | | | | | | | | |

Hematopoietic System

| | | | | | | | | | | | | | | | | | | |
|------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|
| Bone Marrow | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 46 |
| Hemangiosarcoma | | X | | | | | | | | | | | | | | | | 1 |
| Leukemia Granulocytic | | | | | | | | | | | | | | | | | | 1 |
| Lymph Node | + | | | | | | | | | | | | | | | | | 3 |
| Inguinal, Lymphoma Malignant | | | | | | | | | | | | | | | | | | 1 |
| Renal, Lymphoma Malignant | | | | | | | | | | | | | | | | | | 1 |
| Lymph Node, Mandibular | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 47 |
| Leukemia Granulocytic | | | | | | | | | | | | | | | | | | 1 |
| Lymphoma Malignant | | | X | X | | | | | | | X | | | | X | | | 5 |
| Sarcoma, Metastatic, Skin | | | | | | | | | | | | | | | | | | 1 |
| Lymph Node, Mesenteric | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 44 |
| Leukemia Granulocytic | | | | | | | | | | | | | | | | | | 1 |
| Lymphoma Malignant | | | | X | | | | X | | | | X | | | | | | 5 |
| Spleen | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 46 |
| Hemangiosarcoma | | X | | | | | | | | | | | | | | | | 1 |
| Leukemia Granulocytic | | | | | | | | | | | | | | | | | | 1 |
| Lymphoma Malignant | | | X | X | | | | X | | X | | X | | | X | | | 9 |
| Thymus | + | + | + | + | M | + | M | + | + | + | + | M | + | + | + | + | M | 33 |
| Leukemia Granulocytic | | | | | | | | | | | | | | | | | | 1 |
| Lymphoma Malignant | | | | X | | | | | | | | | | | | | | 2 |

Integumentary System

* ..Total animals with tissue examined microscopically; Total animals with tumor

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

BLANK ..Not examined microscopically

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Species/Strain: Mouse/B6C3F1/NCTR

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Time Report Requested: 00:18:53

First Dose M/F: NA / NA

Lab: NCTR

| B6C3F1/NCTR Mouse Male
5.0%ETH/10PPMURE | DAY ON TEST | | | | | | | | | | | | | | | | |
|--|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| | 1 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 4 | 6 | 6 | 6 |
| ANIMAL ID | 1 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 8 | 4 | 4 | 4 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 |
| | 1 | 3 | 0 | 0 | 0 | 0 | 6 | 2 | 2 | 2 | 6 | 6 | 6 | 0 | 2 | 2 | 8 |
| | 0 | 3 | 4 | 5 | 6 | 7 | 9 | 4 | 5 | 6 | 7 | 8 | 9 | 9 | 2 | 3 | 9 |
| | *TOTALS | | | | | | | | | | | | | | | | |
| Mammary Gland | M | M | M | M | M | M | M | M | M | M | M | M | M | M | M | + | M |
| Skin | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Fibroma | | | | | | | X | | | | | | | | | | |
| Sarcoma | | | | | | | | | | | | | | X | | | |
| Sarcoma, Multiple | X | | | | | | | | | | | | | | | | |
| Squamous Cell Papilloma | | | | | | | X | | | | | | | | | | |
| Musculoskeletal System | | | | | | | | | | | | | | | | | |
| Bone | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Skeletal Muscle | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Sarcoma | | | | | | | | | | | | | | X | | | |
| Sarcoma, Metastatic, Skin | | | | | | | | | | | | | | | | | |
| Nervous System | | | | | | | | | | | | | | | | | |
| Brain, Cerebellum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Brain, Cerebrum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Meninges, Leukemia Granulocytic | | | | | | | | | | | | | | | | | |
| Peripheral Nerve | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Spinal Cord, Thoracic | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Respiratory System | | | | | | | | | | | | | | | | | |
| Larynx | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Leukemia Granulocytic | | | | | | | | | | | | | | | | | |
| Lung | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |

* ..Total animals with tissue examined microscopically; Total animals with tumor

+ ..Tissue examined microscopically

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M ..Missing tissue

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Test Compound: Urethane + ethanol (combination)

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Lab: NCTR

| B6C3F1/NCTR Mouse Male
5.0%ETH/10PPMURE | DAY ON TEST | | | | | | | | | | | | | | | | | ANIMAL ID | | |
|---|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------|--|----|
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | |
| | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | | | |
| | 1 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 4 | 6 | 6 | | | |
| | 1 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 8 | 4 | 4 | | | |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | | |
| | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | | | |
| | 1 | 3 | 0 | 0 | 0 | 0 | 6 | 2 | 2 | 2 | 6 | 6 | 6 | 0 | 2 | 2 | 8 | | | |
| | 0 | 3 | 4 | 5 | 7 | 9 | 4 | 5 | 6 | 7 | 8 | 9 | 9 | 2 | 3 | 9 | | | | |
| | | | | | | | | | | | | | | | | | | | | |
| Alveolar/Bronchiolar Adenoma | | | | X | X | X | | | X | | | | X | | | | | | | 7 |
| Alveolar/Bronchiolar Adenoma, Multiple | | | | | | | | | | | X | | | | | | | | | 1 |
| Alveolar/Bronchiolar Carcinoma | | | | | | | | X | | | | | | | | | | | | 4 |
| Hepatocellular Carcinoma, Metastatic, Liver | | | | | | | | | | | | | | | | | | | | 2 |
| Leukemia Granulocytic | | | | | | | | | | | | | | | | | | | | 1 |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | | | | 1 |
| Sarcoma, Metastatic, Skin | | | | | | | | | | | | | | X | | | | | | 4 |
| Nose | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | 48 |
| Leukemia Granulocytic | | | | | | | | | | | | | | | | | | | | 1 |
| Trachea | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | 48 |
| Leukemia Granulocytic | | | | | | | | | | | | | | | | | | | | 1 |
| Special Senses System | | | | | | | | | | | | | | | | | | | | |
| Eye | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | 48 |
| Leukemia Granulocytic | | | | | | | | | | | | | | | | | | | | 1 |
| Harderian Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | 48 |
| Adenoma | | | X | X | | | | | | | | X | | | | X | | | | 12 |
| Carcinoma | | | | | | | | | | X | | | X | | | | | | | 2 |
| Leukemia Granulocytic | | | | | | | | | | | | | | | | | | | | 1 |
| Lacrimal Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | 47 |
| Leukemia Granulocytic | | | | | | | | | | | | | | | | | | | | 1 |
| Zymbal's Gland | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | | | 45 |
| Leukemia Granulocytic | | | | | | | | | | | | | | | | | | | | 1 |

* ..Total animals with tissue examined microscopically; Total animals with tumor

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

BLANK ..Not examined microscopically

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

| B6C3F1/NCTR Mouse Male
5.0%ETH/10PPMURE | | DAY ON TEST | | | | | | | | | | | | | | | | | | ANIMAL ID | |
|--|--|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---------|-----------|--|
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | |
| | | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | | | |
| | | 1 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 4 | 6 | 6 | 6 | | | |
| | | 1 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 8 | 4 | 4 | 4 | | |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | | |
| | | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | | | |
| | | 1 | 3 | 0 | 0 | 0 | 0 | 6 | 2 | 2 | 2 | 6 | 6 | 6 | 0 | 2 | 2 | 8 | | | |
| | | 0 | 3 | 4 | 5 | 6 | 7 | 9 | 4 | 5 | 6 | 7 | 8 | 9 | 9 | 2 | 3 | 9 | *TOTALS | | |
| Urinary System | | | | | | | | | | | | | | | | | | | | | |
| Kidney | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 47 | | |
| Leukemia Granulocytic | | | | | | | | | | | | | | | | | | | 1 | | |
| Urethra | | | | | | | | | | | | | | | | | | | 1 | | |
| Urinary Bladder | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 47 | | |
| Hemangioma | | | | | | | | | | | | | | | | | | | 1 | | |
| Leukemia Granulocytic | | | | | | | | | | | | | | | | | | | 1 | | |
| SYSTEMIC LESIONS | | | | | | | | | | | | | | | | | | | | | |
| Multiple Organ | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 | | |
| Leukemia Granulocytic | | | | | | | | | | | | | | | | | | | 1 | | |
| Lymphoma Malignant | | | | X | X | | | | X | | X | | X | X | | | X | | 10 | | |

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

M ..Missing tissue
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 BLANK ..Not examined microscopically

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First Dose M/F: NA / NA

Lab: NCTR

| B6C3F1/NCTR Mouse Male
5.0%ETH/30PPMURE | DAY ON TEST | |
|--|-------------|
| | 0 | 0 |
| | 2 | 1 | 3 | 4 | 4 | 4 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 7 | 6 | 6 | 7 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| | 1 | 7 | 6 | 4 | 1 | 9 | 3 | 7 | 0 | 1 | 7 | 7 | 2 | 1 | 4 | 6 | 1 | 7 | 5 | 1 | 3 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| ANIMAL ID | 0 | 7 | 8 | 3 | 7 | 8 | 9 | 0 | 7 | 4 | 1 | 1 | 5 | 2 | 5 | 0 | 2 | 8 | 2 | 0 | 3 | 5 | 5 | 5 | 3 | 4 | 4 | 4 |
| | 0 | 0 |
| | 0 | 0 |
| | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | 5 | 5 | 5 | 5 | 5 | 6 | 7 |
| | 6 | 6 | 8 | 1 | 2 | 4 | 6 | 6 | 6 | 1 | 2 | 2 | 5 | 9 | 0 | 1 | 3 | 4 | 4 | 7 | 0 | 2 | 2 | 2 | 6 | 8 | 8 | 3 |
| | 4 | 5 | 5 | 7 | 1 | 3 | 6 | 7 | 9 | 5 | 1 | 2 | 0 | 2 | 1 | 1 | 4 | 1 | 6 | 1 | 1 | 1 | 2 | 3 | 7 | 2 | 3 | 5 |

Alimentary System

| |
|----------------------------------|
| Esophagus | + | |
| Gallbladder | A | M | + | + | + | A | M | A | A | + | + | + | M | + | M | + | A | A | + | + | + | + | + | A | A | A | + | + | + | + |
| Intestine Large | | | | | | | | | | | + | | | + | | | | | | | | | | | | | | | | |
| Intestine Large, Cecum | + | + | + | A | + | A | A | A | A | + | + | + | A | + | + | + | A | A | + | + | + | + | + | A | + | + | + | + | + | + |
| Intestine Large, Colon | + | + | + | A | + | A | + | A | A | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Large, Rectum | + |
| Sarcoma, Metastatic, Skin | | | | | | | | | | | | X | | | | | | | | | | | | | | | | | | |
| Intestine Small, Duodenum | A | + | + | + | A | A | A | A | A | + | + | + | A | + | + | + | A | A | + | + | + | + | + | A | + | + | + | + | + | + |
| Polyp Adenomatous | X |
| Intestine Small, Ileum | A | A | + | A | + | A | A | A | A | + | + | + | A | + | + | + | A | + | + | + | + | + | + | + | A | + | + | + | + | + |
| Lymphoma Malignant | X | | | | | | | |
| Intestine Small, Jejunum | A | + | + | A | + | A | A | A | A | + | + | + | A | + | + | + | A | A | + | + | + | + | + | A | + | + | + | + | + | + |
| Lymphoma Malignant |
| Liver | + |
| Hemangioma |
| Hemangiosarcoma | | | | | | | | | | | | | | | | X | | | | | | | | | | | | X | | |
| Hepatocellular Adenoma | | | | | | | | | | | | | | | | X | | | | | | | X | X | X | X | X | | | |
| Hepatocellular Adenoma, Multiple | | | | | | | | | X | | X |
| Hepatocellular Carcinoma | | | | | | | | X | | | | | | X | | | | | | | | | | | | | | | | |
| Histiocytic Sarcoma | | | | | | | | | | | | | X | | | | | X | | | | | | | X | X | | | | |
| Ito Cell Tumor Malignant |

* ..Total animals with tissue examined microscopically; Total animals with tumor

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

BLANK ..Not examined microscopically

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Species/Strain: Mouse/B6C3F1/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/18/2014

Time Report Requested: 00:18:54

First Dose M/F: NA / NA

Lab: NCTR

| B6C3F1/NCTR Mouse Male
5.0%ETH/30PPMURE | DAY ON TEST | |
|--|-------------|
| | 0 | 0 |
| | 2 | 1 | 3 | 4 | 4 | 4 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 7 | 6 | 6 | 7 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| | 1 | 7 | 6 | 4 | 1 | 9 | 3 | 7 | 0 | 1 | 7 | 7 | 2 | 1 | 4 | 6 | 1 | 7 | 5 | 1 | 3 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| ANIMAL ID | 0 | 7 | 8 | 3 | 7 | 8 | 9 | 0 | 7 | 4 | 1 | 1 | 5 | 2 | 5 | 0 | 2 | 8 | 2 | 0 | 3 | 5 | 5 | 5 | 3 | 4 | 4 | 4 |
| | 0 | 0 |
| | 0 | 0 |
| | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 6 | 7 |
| | 6 | 6 | 8 | 1 | 2 | 4 | 6 | 6 | 6 | 1 | 2 | 2 | 5 | 9 | 0 | 1 | 3 | 4 | 4 | 7 | 0 | 2 | 2 | 2 | 6 | 8 | 8 | 3 |
| | 4 | 5 | 5 | 7 | 1 | 3 | 6 | 7 | 9 | 5 | 1 | 2 | 0 | 2 | 1 | 1 | 4 | 1 | 6 | 1 | 1 | 1 | 2 | 3 | 7 | 2 | 3 | 4 |
| Lymphoma Malignant | |
| Sarcoma, Metastatic, Skin | |
| Mesentery | |
| Hemangiosarcoma | |
| Pancreas | + | + | + | + | + | A | + | A | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Hemangioma | |
| Histiocytic Sarcoma | |
| Lymphoma Malignant | |
| Salivary Glands | + | + |
| Lymphoma Malignant | |
| Stomach, Forestomach | + | + | + | + | + | A | + | A | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Squamous Cell Carcinoma | |
| Squamous Cell Papilloma | |
| Stomach, Glandular | + | + | + | + | + | A | + | A | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Tongue | + | + |
| Cardiovascular System | |
| Blood Vessel | + | + |
| Heart | + | + |
| Hemangiosarcoma | |
| Histiocytic Sarcoma | |
| Endocrine System | |
| Adrenal Gland, Cortex | + | + | + | + | + | + | + | M | + |

* ..Total animals with tissue examined microscopically; Total animals with tumor

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

BLANK ..Not examined microscopically

Experiment Number: 00602-05

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|--|-------------|
| | 0 | 0 |
| | 2 | 1 | 3 | 4 | 4 | 4 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 7 | 6 | 6 | 7 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| | 1 | 7 | 6 | 4 | 1 | 9 | 3 | 7 | 0 | 1 | 7 | 7 | 2 | 1 | 4 | 6 | 1 | 7 | 5 | 1 | 3 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| ANIMAL ID | 0 | 7 | 8 | 3 | 7 | 8 | 9 | 0 | 7 | 4 | 1 | 1 | 5 | 2 | 5 | 0 | 2 | 8 | 2 | 0 | 3 | 5 | 5 | 5 | 3 | 4 | 4 | 4 |
| | 0 | 0 |
| | 0 | 0 |
| | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | 5 | 5 | 5 | 5 | 5 | 6 | 7 |
| | 6 | 6 | 8 | 1 | 2 | 4 | 6 | 6 | 6 | 1 | 2 | 2 | 5 | 9 | 0 | 1 | 3 | 4 | 4 | 7 | 0 | 2 | 2 | 2 | 6 | 8 | 8 | 3 |
| | 4 | 5 | 5 | 7 | 1 | 3 | 6 | 7 | 9 | 5 | 1 | 2 | 2 | 2 | 1 | 1 | 4 | 1 | 6 | 1 | 1 | 1 | 2 | 3 | 7 | 2 | 3 | 5 |
| | |
| | |
| Adenoma | |
| Lymphoma Malignant | |
| Adrenal Gland, Medulla | + | + | + | + | + | + | + | M | + |
| Lymphoma Malignant | |
| Pheochromocytoma Benign | |
| Islets, Pancreatic | + | + | + | + | + | + | + | A | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Carcinoma | |
| Parathyroid Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | M | + | + | + | M | + | + | + | M |
| Pituitary Gland | + | + | M | M | + | M | + | + | + | M | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | M | + | + |
| Thyroid Gland | + | + |
| General Body System | |
| NONE | |
| Genital System | |
| Coagulating Gland | + | + |
| Epididymis | + | + |
| Histiocytic Sarcoma | |
| Penis | |
| Preputial Gland | + | + | + | + | + | + | + | + | + | M | + | + | M | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Hemangioma | |
| Prostate | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Lymphoma Malignant | |
| Seminal Vesicle | + | + |

* ..Total animals with tissue examined microscopically; Total animals with tumor

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

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|--|-------------|
| | 0 | 0 |
| | 2 | 1 | 3 | 4 | 4 | 4 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 7 | 6 | 6 | 7 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| | 1 | 7 | 6 | 4 | 1 | 9 | 3 | 7 | 0 | 1 | 7 | 7 | 2 | 1 | 4 | 6 | 1 | 7 | 5 | 1 | 3 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| ANIMAL ID | 0 | 7 | 8 | 3 | 7 | 8 | 9 | 0 | 7 | 4 | 1 | 1 | 5 | 2 | 5 | 0 | 2 | 8 | 2 | 0 | 3 | 5 | 5 | 5 | 3 | 4 | 4 | 4 |
| | 0 | 0 |
| | 0 | 0 |
| | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | 5 | 5 | 5 | 5 | 5 | 6 | 7 |
| | 6 | 6 | 8 | 1 | 2 | 4 | 6 | 6 | 6 | 1 | 2 | 2 | 5 | 9 | 0 | 1 | 3 | 4 | 4 | 7 | 0 | 2 | 2 | 2 | 6 | 8 | 8 | 3 |
| | 4 | 5 | 5 | 7 | 1 | 3 | 6 | 7 | 9 | 5 | 1 | 2 | 0 | 2 | 1 | 1 | 4 | 1 | 6 | 1 | 1 | 1 | 2 | 3 | 7 | 2 | 3 | 4 |
| Adenoma | |
| Testes | + | + |
| Hematopoietic System | |
| Bone Marrow | + | + | + | + | + | + | + | A | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Histiocytic Sarcoma | | | | | | | | | | | | | | | | | | X | | | | | | | | | | |
| Lymph Node | | | | | | | | | | + | | | | | | | + | | | | | + | | | + | | | |
| Axillary, Lymphoma Malignant | |
| Inguinal, Lymphoma Malignant | |
| Lumbar, Histiocytic Sarcoma | | | | | | | | | | | | | | | | | X | | | | | | | | | | | |
| Lumbar, Lymphoma Malignant | | X | | | | | |
| Renal, Lymphoma Malignant | | X | | | X | | |
| Thoracic, Lymphoma Malignant | | X | | |
| Lymph Node, Mandibular | + | + |
| Histiocytic Sarcoma | | X | | | |
| Lymphoma Malignant | | X | | | | |
| Lymph Node, Mesenteric | + | + | + | M | + | A | + | M | A | + | + | + | + | + | + | M | M | + | + | + | + | + | + | + | + | + | + | + |
| Histiocytic Sarcoma | | | | | | | | | | | | | | | | | | X | | | | | | X | X | | | |
| Lymphoma Malignant | | X | | | X | | |
| Spleen | + | + | + | + | + | + | + | A | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Histiocytic Sarcoma | | | | | | | | | | | | X | | | | | X | | | | | | | X | | | | |
| Lymphoma Malignant | | X | X | | | | |
| Sarcoma, Metastatic, Skin | | | | | | X | |

* ..Total animals with tissue examined microscopically; Total animals with tumor

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

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|---|-------------|
| | 0 | 0 |
| | 2 | 1 | 3 | 4 | 4 | 4 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 7 | 6 | 6 | 7 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| | 1 | 7 | 6 | 4 | 1 | 9 | 3 | 7 | 0 | 1 | 7 | 7 | 2 | 1 | 4 | 6 | 1 | 7 | 5 | 1 | 3 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| ANIMAL ID | 0 | 7 | 8 | 3 | 7 | 8 | 9 | 0 | 7 | 4 | 1 | 1 | 5 | 2 | 5 | 0 | 2 | 8 | 2 | 0 | 3 | 5 | 5 | 5 | 3 | 4 | 4 | 4 |
| | 0 | 0 |
| | 0 | 0 |
| | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | 5 | 5 | 5 | 5 | 5 | 6 | 7 |
| Larynx | 6 | 6 | 8 | 1 | 2 | 4 | 6 | 6 | 6 | 1 | 2 | 2 | 5 | 9 | 0 | 1 | 3 | 4 | 4 | 7 | 0 | 2 | 2 | 2 | 6 | 8 | 8 | 3 |
| Lung | 4 | 5 | 5 | 7 | 1 | 3 | 6 | 7 | 9 | 5 | 1 | 2 | 0 | 2 | 1 | 1 | 4 | 1 | 6 | 1 | 1 | 2 | 3 | 7 | 2 | 3 | 5 | 2 |
| Alveolar/Bronchiolar Adenoma | + | + | M | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Alveolar/Bronchiolar Adenoma, Multiple | + | + |
| Alveolar/Bronchiolar Carcinoma | | | | | | | | | | X | X | | | | | | | | | | | | | | | | | |
| Hepatocellular Carcinoma, Metastatic, Liver | |
| Histiocytic Sarcoma | |
| Lymphoma Malignant | |
| Sarcoma, Metastatic, Skin | |
| Nose | + | + |
| Trachea | + | + |
| Special Senses System | |
| Eye | + | + |
| Harderian Gland | + | + |
| Adenoma | |
| Bilateral, Adenoma | |
| Carcinoma | |
| Lacrimal Gland | + | + |
| Lymphoma Malignant | |
| Zymbal's Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + |
| Urinary System | |
| Kidney | + | + |

* ..Total animals with tissue examined microscopically; Total animals with tumor

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

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| B6C3F1/NCTR Mouse Male
5.0%ETH/30PPMURE | DAY ON TEST | | | | | | | | | | | | | | | | |
|--|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ANIMAL ID | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| | 4 | 4 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | 8 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 |
| | 2 | 2 | 7 | 9 | 9 | 9 | 5 | 6 | 6 | 1 | 1 | 6 | 6 | 1 | 7 | 8 | 8 |
| | 5 | 6 | 9 | 5 | 6 | 7 | 9 | 0 | 1 | 7 | 8 | 3 | 4 | 5 | 9 | 0 | 1 |
| *TOTALS | | | | | | | | | | | | | | | | | |

Alimentary System

| | | | | | | | | | | | | | | | | | | |
|----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|
| Esophagus | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 |
| Gallbladder | + | + | A | + | + | + | A | M | + | + | + | + | M | + | + | + | A | 30 |
| Intestine Large | | | | | | | | | | | | | | | | | | 2 |
| Intestine Large, Cecum | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 38 |
| Intestine Large, Colon | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 43 |
| Intestine Large, Rectum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 |
| Sarcoma, Metastatic, Skin | | | | | | | | | | | | | | | | | | 1 |
| Intestine Small, Duodenum | + | + | A | + | + | + | A | + | + | + | + | + | + | + | + | + | + | 36 |
| Polyp Adenomatous | | | | | | | | | | | | | | | | | | 1 |
| Intestine Small, Ileum | + | + | A | + | + | + | A | + | + | + | + | + | + | + | + | + | + | 36 |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | | 1 |
| Intestine Small, Jejunum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 38 |
| Lymphoma Malignant | | | | | | | X | | | | | | | | | | | 1 |
| Liver | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 |
| Hemangioma | | | | | | | | X | | | | | | X | | | | 2 |
| Hemangiosarcoma | | | | X | | X | | | | | | | | | | | | 4 |
| Hepatocellular Adenoma | | X | | | | | | X | | X | X | | X | X | | | | 13 |
| Hepatocellular Adenoma, Multiple | | | | | | | | | | | | | | | | | X | 3 |
| Hepatocellular Carcinoma | | | | | | | | | | | | | | | | | | 2 |
| Histiocytic Sarcoma | | | | | | | | | | | | | | | | | | 4 |
| Ito Cell Tumor Malignant | | | | | X | | | | | | | | | | | | | 1 |

* ..Total animals with tissue examined microscopically; Total animals with tumor

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

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|--|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------|--|----|
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | |
| | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | | | |
| | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | | | |
| | 4 | 4 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | | | |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | | |
| | 8 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | | | |
| | 2 | 2 | 7 | 9 | 9 | 9 | 5 | 6 | 6 | 1 | 1 | 6 | 6 | 1 | 7 | 8 | 8 | | | |
| | 5 | 6 | 9 | 5 | 6 | 7 | 9 | 0 | 1 | 7 | 8 | 3 | 4 | 5 | 9 | 0 | 1 | | | |
| | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | |
| Adenoma | X | | | | | | | | | | | | | | | | | | | 1 |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | | | | 1 |
| Adrenal Gland, Medulla | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | | 46 |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | | | | 1 |
| Pheochromocytoma Benign | X | | | | | | | | | | | | | | | | | | | 3 |
| Islets, Pancreatic | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | 46 |
| Carcinoma | | | | | | | | | | | | | | | | | | | | 1 |
| Parathyroid Gland | + | + | + | + | + | + | + | M | M | + | + | + | M | + | + | + | + | | | 41 |
| Pituitary Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | 42 |
| Thyroid Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | 48 |
| General Body System | | | | | | | | | | | | | | | | | | | | |
| NONE | | | | | | | | | | | | | | | | | | | | |
| Genital System | | | | | | | | | | | | | | | | | | | | |
| Coagulating Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | 48 |
| Epididymis | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | 48 |
| Histiocytic Sarcoma | | | | | | | | | | | | | | | | | | | | 1 |
| Penis | | | | | | | | | | + | + | | | | | | | | | 2 |
| Preputial Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | 45 |
| Hemangioma | | | | | | | | | | | | | | | | | | | | 1 |
| Prostate | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | M | | | 45 |
| Lymphoma Malignant | | | | | | | | | | X | | | | | | | | | | 2 |
| Seminal Vesicle | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | 48 |

* ..Total animals with tissue examined microscopically; Total animals with tumor

+ ..Tissue examined microscopically

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|--|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------|--|----|
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | |
| | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | | | |
| | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | | | |
| | 4 | 4 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | | | |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | | |
| | 8 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | | | |
| | 2 | 2 | 7 | 9 | 9 | 9 | 5 | 6 | 6 | 1 | 1 | 6 | 6 | 1 | 7 | 8 | 8 | | | |
| | 5 | 6 | 9 | 5 | 6 | 7 | 9 | 0 | 1 | 7 | 8 | 3 | 4 | 5 | 9 | 0 | 1 | | | |
| | | | | | | | | | | | | | | | | | | | | |
| Adenoma | X | | | | | | | | | | | | | | | | | | | 1 |
| Testes | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | 48 |
| Hematopoietic System | | | | | | | | | | | | | | | | | | | | |
| Bone Marrow | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | 46 |
| Histiocytic Sarcoma | | | | | | | | | | | | | | | | | | | | 1 |
| Lymph Node | | | | | + | | + | | | | | | | | | | | | | 6 |
| Axillary, Lymphoma Malignant | | | | | | | X | | | | | | | | | | | | | 1 |
| Inguinal, Lymphoma Malignant | | | | | | | X | | | | | | | | | | | | | 1 |
| Lumbar, Histiocytic Sarcoma | | | | | | | | | | | | | | | | | | | | 1 |
| Lumbar, Lymphoma Malignant | | | | | | | X | | | | | | | | | | | | | 2 |
| Renal, Lymphoma Malignant | | | | | | | X | | | | | | | | | | | | | 3 |
| Thoracic, Lymphoma Malignant | | | | | | | | | | | | | | | | | | | | 1 |
| Lymph Node, Mandibular | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | 48 |
| Histiocytic Sarcoma | | | | | | | | | | | | | | | | | | | | 1 |
| Lymphoma Malignant | | | | | | X | X | | | | | | | X | X | | | | | 5 |
| Lymph Node, Mesenteric | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | 42 |
| Histiocytic Sarcoma | | | | | | | | | | | | | | | | | | | | 3 |
| Lymphoma Malignant | | X | | | | X | X | | | | | | | X | X | | | | | 7 |
| Spleen | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | 46 |
| Histiocytic Sarcoma | | | | | | | | | | | | | | | | | | | | 3 |
| Lymphoma Malignant | | X | | | | | X | | | | | | | X | X | | | | | 6 |
| Sarcoma, Metastatic, Skin | | | | | | | | | | | | | | | | | | | | 1 |

* ..Total animals with tissue examined microscopically; Total animals with tumor

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

BLANK ..Not examined microscopically

Experiment Number: 00602-05

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Mouse/B6C3F1/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/18/2014

Time Report Requested: 00:18:56

First Dose M/F: NA / NA

Lab: NCTR

| B6C3F1/NCTR Mouse Male
5.0%ETH/30PPMURE | DAY ON TEST | | | | | | | | | | | | | | | | | ANIMAL ID | | |
|---|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------|--|----|
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | |
| | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | | | |
| | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | | | |
| | 4 | 4 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | | | |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | | |
| | 8 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | | | |
| | 2 | 2 | 7 | 9 | 9 | 9 | 5 | 6 | 6 | 1 | 1 | 6 | 6 | 1 | 7 | 8 | 8 | | | |
| | 5 | 6 | 9 | 5 | 6 | 7 | 9 | 0 | 1 | 7 | 8 | 3 | 4 | 5 | 9 | 0 | 1 | | | |
| | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | |
| Larynx | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | | | 45 |
| Lung | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | 48 |
| Alveolar/Bronchiolar Adenoma | | | X | | | X | | | | | X | | | | | X | | | | 6 |
| Alveolar/Bronchiolar Adenoma, Multiple | | | | | | | | | X | | | | | | | | | | | 3 |
| Alveolar/Bronchiolar Carcinoma | | | | X | | | | | | X | | | | | | | | | | 5 |
| Hepatocellular Carcinoma, Metastatic, Liver | | | | | | | | | | | | | | | | | | | | 1 |
| Histiocytic Sarcoma | | | | | | | | | | | | | | | | | | | | 3 |
| Lymphoma Malignant | | | | | | | X | | | | | | | | X | | | | | 2 |
| Sarcoma, Metastatic, Skin | | | | | | | | | | | | | | | | | | | | 2 |
| Nose | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | 48 |
| Trachea | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | 48 |
| Special Senses System | | | | | | | | | | | | | | | | | | | | |
| Eye | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | 48 |
| Harderian Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | 48 |
| Adenoma | | | | | | | | | X | X | X | | | | | | X | | | 12 |
| Bilateral, Adenoma | | | | | | X | | | | | | | | | | | | | | 3 |
| Carcinoma | | | | | | | | | | | | | | | | | | | | 2 |
| Lacrimal Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | 48 |
| Lymphoma Malignant | | | | | | | X | | | | | | | | | | | | | 1 |
| Zymbal's Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | 47 |
| Urinary System | | | | | | | | | | | | | | | | | | | | |
| Kidney | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | 48 |

* ..Total animals with tissue examined microscopically; Total animals with tumor

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

BLANK ..Not examined microscopically

Species/Strain: Mouse/B6C3F1/NCTR

CAS Number: URETHCOMB

Lab: NCTR

| B6C3F1/NCTR Mouse Male
5.0%ETH/30PPMURE | | DAY ON TEST | | | | | | | | | | | | | | | | | *TOTALS |
|--|--|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|---------|
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | |
| | | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | |
| ANIMAL ID | | 4 | 4 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | |
| | | 8 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | |
| | | 2 | 2 | 7 | 9 | 9 | 9 | 5 | 6 | 6 | 1 | 1 | 6 | 6 | 1 | 7 | 8 | 8 | |
| | | 5 | 6 | 9 | 5 | 6 | 7 | 9 | 0 | 1 | 7 | 8 | 3 | 4 | 5 | 9 | 0 | 1 | |
| Histiocytic Sarcoma | | | | | | | | | | | | | | | | | | | 1 |
| Lymphoma Malignant | | X | | | | | | | | | | | | | | | | | 4 |
| Sarcoma, Metastatic, Skin | | | | | | | | | | | | | | | | | | | 2 |
| Urethra | | | | | | | | | | | | | | | | | | | 3 |
| Urinary Bladder | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 | |
| SYSTEMIC LESIONS | | | | | | | | | | | | | | | | | | | |
| Multiple Organ | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 | |
| Histiocytic Sarcoma | | | | | | | | | | | | | | | | | | | 4 |
| Lymphoma Malignant | | X | | | | | | X | X | | | | X | | | X | 8 | | |

BLANK ..Not examined microscopically

Experiment Number: 00602-05

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Mouse/B6C3F1/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/18/2014

Time Report Requested: 00:18:57

First Dose M/F: NA / NA

Lab: NCTR

| B6C3F1/NCTR Mouse Male
5.0%ETH/90PPMURE | DAY ON TEST | ANIMAL ID | |
|--|-------------|-----------|
| | | 0 | 0 |
| | | 1 | 2 | 3 | 4 | 5 | 4 | 5 | 4 | 5 | 5 | 6 | 6 | 6 | 5 | 5 | 6 | 6 | 6 | 6 | 7 | 7 | 7 | 6 | 7 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| | | 3 | 9 | 5 | 4 | 0 | 6 | 5 | 7 | 0 | 7 | 9 | 4 | 1 | 2 | 8 | 7 | 2 | 7 | 9 | 7 | 0 | 4 | 1 | 9 | 5 | 9 | 8 | 4 | 6 | 6 | 1 | 1 | 1 | 1 | 1 | 1 |

Alimentary System

| | |
|--------------------|--|
| Esophagus | + | |
| Lymphoma Malignant | | |

* ..Total animals with tissue examined microscopically; Total animals with tumor

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

BLANK ..Not examined microscopically

Experiment Number: 00602-05

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Mouse/B6C3F1/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/18/2014

Time Report Requested: 00:18:57

First Dose M/F: NA / NA

Lab: NCTR

| B6C3F1/NCTR Mouse Male
5.0%ETH/90PPMURE | DAY ON TEST | |
|---|-------------|
| | 0 | 0 |
| | 1 | 2 | 3 | 4 | 5 | 4 | 5 | 4 | 5 | 5 | 5 | 6 | 6 | 6 | 5 | 5 | 6 | 6 | 6 | 6 | 7 | 7 | 7 | 6 | 7 | 6 | 6 | 7 |
| | 3 | 9 | 5 | 4 | 0 | 6 | 5 | 7 | 0 | 7 | 9 | 4 | 1 | 2 | 8 | 7 | 2 | 7 | 9 | 7 | 0 | 4 | 1 | 9 | 5 | 9 | 8 | 4 |
| ANIMAL ID | 8 | 6 | 5 | 4 | 7 | 7 | 3 | 8 | 7 | 0 | 3 | 3 | 8 | 0 | 0 | 7 | 3 | 3 | 0 | 0 | 2 | 7 | 0 | 7 | 3 | 1 | 4 | 8 |
| | 0 | 0 |
| | 0 | 0 |
| | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 5 | 5 | 5 |
| | 4 | 8 | 0 | 2 | 2 | 2 | 6 | 6 | 7 | 0 | 4 | 5 | 6 | 7 | 8 | 9 | 9 | 2 | 4 | 8 | 2 | 5 | 8 | 9 | 0 | 0 | 0 | 3 |
| | 0 | 2 | 2 | 0 | 7 | 8 | 1 | 2 | 0 | 4 | 9 | 7 | 5 | 7 | 3 | 9 | 4 | 5 | 3 | 8 | 5 | 6 | 1 | 3 | 2 | 3 | 5 | 2 |
| Hepatocellular Adenoma | | | | | | | | | | X | | X | | | | | | | | X | X | | | X | | X | | |
| Hepatocellular Adenoma, Multiple | | X |
| Hepatocellular Carcinoma | | | | | | | X | | | X | | X | X | | | | X | | | X | | | | X | | | | |
| Histiocytic Sarcoma | | | | | | | | | | | X | | | | | X | | X | X | | | | | | | | | |
| Lymphoma Malignant | | | X | X | | | | | | | | X | | | | | | | | | X | X | | | | | | |
| Pancreas | + | + | + | A | + | + | + | + | A | + | + | + | + | + | A | + | + | A | + | + | + | + | + | + | + | + | + | + |
| Histiocytic Sarcoma | | | | | | | | | | | X | | | | | | | | | | | | | | | | | |
| Lymphoma Malignant | | | X | X | | | | | | | | X | | | | | | | | | X | X | | | | | X | |
| Salivary Glands | + | + |
| Lymphoma Malignant | | X | | | | | | |
| Rhabdomyosarcoma, Metastatic, Skeletal Muscle | | | | | | | | | | X | | | | | | | | | | | | | | | | | | |
| Stomach, Forestomach | + | + |
| Hemangioma | |
| Histiocytic Sarcoma | | | | | | | | | | | X | | | | | | | | | | | | | | | | | |
| Squamous Cell Carcinoma | |
| Squamous Cell Papilloma | | X | | | X | | |
| Stomach, Glandular | + | + | + | A | + | + | + | + | A | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + |
| Lymphoma Malignant | | | X | | | | | | | | | | | | | | | | | | | X | | | | | | |
| Tongue | + | + |
| Lymphoma Malignant | | X | | | | | | |
| Squamous Cell Carcinoma | | X |

* ..Total animals with tissue examined microscopically; Total animals with tumor

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

BLANK ..Not examined microscopically

Experiment Number: 00602-05

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Mouse/B6C3F1/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/18/2014

Time Report Requested: 00:18:58

First Dose M/F: NA / NA

Lab: NCTR

| B6C3F1/NCTR Mouse Male
5.0%ETH/90PPMURE | DAY ON TEST | |
|--|-------------|
| | 0 | 0 |
| | 1 | 2 | 3 | 4 | 5 | 4 | 5 | 4 | 5 | 5 | 5 | 6 | 6 | 6 | 5 | 5 | 6 | 6 | 6 | 6 | 7 | 7 | 7 | 6 | 7 | 6 | 6 | 7 |
| | 3 | 9 | 5 | 4 | 0 | 6 | 5 | 7 | 0 | 7 | 9 | 4 | 1 | 2 | 8 | 7 | 2 | 7 | 9 | 7 | 0 | 4 | 1 | 9 | 5 | 9 | 8 | 4 |
| ANIMAL ID | 8 | 6 | 5 | 4 | 7 | 3 | 8 | 7 | 0 | 3 | 3 | 8 | 0 | 0 | 7 | 3 | 3 | 0 | 0 | 2 | 7 | 0 | 7 | 3 | 1 | 4 | 8 | 5 |
| | 0 | 0 |
| | 0 | 0 |
| | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 5 | 5 | 5 |
| | 4 | 8 | 0 | 2 | 2 | 2 | 6 | 6 | 7 | 0 | 4 | 5 | 6 | 7 | 8 | 9 | 9 | 2 | 4 | 8 | 2 | 5 | 8 | 9 | 9 | 0 | 0 | 0 |
| | 0 | 2 | 2 | 0 | 7 | 8 | 1 | 2 | 0 | 4 | 9 | 7 | 4 | 5 | 7 | 3 | 9 | 4 | 5 | 3 | 8 | 5 | 6 | 1 | 3 | 2 | 3 | 5 |

Cardiovascular System

| | |
|--|---|
| Blood Vessel | + | + | M | + |
| Lymphoma Malignant | | | | | | | | | | | | X | | | | | | | | | | | | | | | | |
| Heart | + |
| Alveolar/Bronchiolar Carcinoma, Metastatic, Lung | | | | | | | | | X | | | | | | | | | | | | X | | | | | | | |
| Hemangiosarcoma | | | | | | | | | | | | | | | | | | | X | | | | | | X | | | |
| Histiocytic Sarcoma | | | | | | | | | | | | X | | | | | | | | | | | | | | | | |
| Lymphoma Malignant | | | X | X | | | | | | | | X | | | | | | | | | | | | | | | | |
| Sarcoma, Metastatic, Thymus |

Endocrine System

| | |
|---|---|
| Adrenal Gland | | | | | | | | | | | + | | | | | | | | | | | | | | | | | |
| Rhabdomyosarcoma, Metastatic, Skeletal Muscle | | | | | | | | | | | X | | | | | | | | | | | | | | | | | |
| Adrenal Gland, Cortex | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + |
| Adrenal Gland, Medulla | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + |
| Pheochromocytoma Benign | X | | | |
| Pheochromocytoma Malignant | X | | |
| Islets, Pancreatic | + | + | + | A | + | + | + | + | A | + | + | + | + | + | A | + | + | A | + | + | + | + | + | + | + | + | + | + |
| Lymphoma Malignant | | | X | |
| Parathyroid Gland | M | M | + | + | M | + | + | + | + | M | + | + | M | + | + | + | M | + | + | + | M | + | + | M | + | + | + | + |
| Pituitary Gland | M | M | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | M | + | + | + | + | + | + | + | + | + | M |

* ..Total animals with tissue examined microscopically; Total animals with tumor

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

BLANK ..Not examined microscopically

Experiment Number: 00602-05

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Mouse/B6C3F1/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/18/2014

Time Report Requested: 00:18:58

First Dose M/F: NA / NA

Lab: NCTR

| B6C3F1/NCTR Mouse Male
5.0%ETH/90PPMURE | DAY ON TEST | |
|--|-------------|
| | 0 | 0 |
| | 1 | 2 | 3 | 4 | 5 | 4 | 5 | 4 | 5 | 5 | 5 | 6 | 6 | 6 | 5 | 5 | 6 | 6 | 6 | 6 | 7 | 7 | 7 | 6 | 7 | 6 | 6 | 7 |
| | 3 | 9 | 5 | 4 | 0 | 6 | 5 | 7 | 0 | 7 | 9 | 4 | 1 | 2 | 8 | 7 | 2 | 7 | 9 | 7 | 0 | 4 | 1 | 9 | 5 | 9 | 8 | 4 |
| ANIMAL ID | 8 | 6 | 5 | 4 | 7 | 7 | 3 | 8 | 7 | 0 | 3 | 3 | 8 | 0 | 0 | 7 | 3 | 3 | 0 | 0 | 2 | 7 | 0 | 7 | 3 | 1 | 4 | 8 |
| | 0 | 0 |
| | 0 | 0 |
| | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 5 | 5 | 5 |
| | 4 | 8 | 0 | 2 | 2 | 2 | 6 | 6 | 7 | 0 | 4 | 5 | 6 | 7 | 8 | 9 | 9 | 2 | 4 | 8 | 2 | 5 | 8 | 9 | 9 | 0 | 0 | 0 |
| | 0 | 2 | 2 | 0 | 7 | 8 | 1 | 2 | 0 | 4 | 9 | 7 | 4 | 5 | 7 | 3 | 9 | 4 | 5 | 3 | 8 | 5 | 6 | 1 | 3 | 2 | 3 | 5 |
| Lymphoma Malignant | | | | X | |
| Thyroid Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Lymphoma Malignant | | X | | | | | | | | | X | | | | | | | | | | X | | | | | | | |
| General Body System | |
| Tissue NOS | | | | | | | | | + | | | | | | | | | | | | | | | | | | | |
| Alveolar/Bronchiolar Carcinoma, Metastatic, Lung | | | | | | | | | X | | | | | | | | | | | | | | | | | | | |
| Genital System | |
| Coagulating Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | M | M | + | A | + | + | + | + | + | + | + | + | + | + | + |
| Lymphoma Malignant | | X | | | | | | | | | | | | | | | | | | | | X | | | | | | |
| Epididymis | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + |
| Histiocytic Sarcoma | | | | | | | | | | | X | | | | | | | | | | | | | | | | | |
| Lymphoma Malignant | | X | X | | | | | | | | | | | X | | | | | | | | X | | | | | | |
| Preputial Gland | + | + | + | M | + | + | + | + | + | + | + | + | M | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + |
| Lymphoma Malignant | | X | | | | | | |
| Prostate | + | + |
| Lymphoma Malignant | | X | X | | | | | | | | | X | | X | | | | | | | | X | | | | | | |
| Seminal Vesicle | + | + | + | + | + | + | + | + | + | + | + | + | + | M | M | + | A | + | + | + | + | + | + | + | + | + | + | + |
| Histiocytic Sarcoma | | | | | | | | | | | X | | | | | | | | | | | | | | | | | |
| Lymphoma Malignant | | X | X | | | | | | | | | | | | | | | | | | | X | | | | | | |
| Testes | + | + |

* ..Total animals with tissue examined microscopically; Total animals with tumor

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

BLANK ..Not examined microscopically

Experiment Number: 00602-05

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Mouse/B6C3F1/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/18/2014

Time Report Requested: 00:18:58

First Dose M/F: NA / NA

Lab: NCTR

| B6C3F1/NCTR Mouse Male
5.0%ETH/90PPMURE | DAY ON TEST | |
|--|-------------|
| | 0 | 0 |
| | 1 | 2 | 3 | 4 | 5 | 4 | 5 | 4 | 5 | 5 | 5 | 6 | 6 | 6 | 5 | 5 | 6 | 6 | 6 | 6 | 7 | 7 | 7 | 6 | 7 | 6 | 6 | 7 |
| | 3 | 9 | 5 | 4 | 0 | 6 | 5 | 7 | 0 | 7 | 9 | 4 | 1 | 2 | 8 | 7 | 2 | 7 | 9 | 7 | 0 | 4 | 1 | 9 | 5 | 9 | 8 | 4 |
| ANIMAL ID | 8 | 6 | 5 | 4 | 7 | 7 | 3 | 8 | 7 | 0 | 3 | 3 | 8 | 0 | 0 | 7 | 3 | 3 | 0 | 0 | 2 | 7 | 0 | 7 | 3 | 1 | 4 | 8 |
| | 0 | 0 |
| | 0 | 0 |
| | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 5 | 5 | 5 |
| | 4 | 8 | 0 | 2 | 2 | 2 | 6 | 6 | 7 | 0 | 4 | 5 | 6 | 7 | 8 | 9 | 9 | 2 | 4 | 8 | 2 | 5 | 8 | 9 | 9 | 0 | 0 | 0 |
| | 0 | 2 | 2 | 0 | 7 | 8 | 1 | 2 | 0 | 4 | 9 | 7 | 4 | 5 | 7 | 3 | 9 | 4 | 5 | 3 | 8 | 5 | 6 | 1 | 3 | 2 | 3 | 5 |

Hematopoietic System

| | |
|--|---|
| Bone Marrow | + | + | + | A | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Histiocytic Sarcoma | | | | | | | | | | | X | | | | | | | | X | | | | | | | | | |
| Lymphoma Malignant | | X | X | | | | | | | | | | | | | | | | | | | X | | | | | | |
| Lymph Node | | + | + | | | | | | | | + | + | + | | | | | | | | + | + | | | | | + | |
| Axillary, Lymphoma Malignant | | | X | |
| Inguinal, Lymphoma Malignant | | X | | | | | | | | | | X | | | | | | | | | | | | | | | X | |
| Lumbar, Histiocytic Sarcoma | | | | | | | | | | | X | | | | | | | | | | | | | | | | | |
| Lumbar, Lymphoma Malignant |
| Pancreatic, Lymphoma Malignant | X | | | | | |
| Renal, Alveolar/Bronchiolar Carcinoma,
Metastatic, Lung | | X | | | | | | | |
| Renal, Lymphoma Malignant | | | | | | | | | | | | X | | | | | | | | | | | | | | | X | |
| Lymph Node, Mandibular | + | + | + | A | + |
| Histiocytic Sarcoma | | | | | | | | | | | X | | | | | | | | X | | | | | | | | | |
| Lymphoma Malignant | | X | X | | | | | | | | | X | | | | | | | | | X | | | | | | X | |
| Lymph Node, Mesenteric | + | + | + | A | + | + | + | + | + | + | + | + | + | A | + | + | A | + | + | + | + | + | + | + | + | + | + | M |
| Hemangiosarcoma | | X | | |
| Histiocytic Sarcoma | | | | | | | | | | | X | | | | | X | | | X | | | | | | | | | |
| Lymphoma Malignant | | X | X | | | | | | | | | X | | | | | | | | | X | X | X | | | | X | |
| Spleen | + | + | + | A | + | + | + | + | A | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + |
| Hemangiosarcoma | | X | | | |

* ..Total animals with tissue examined microscopically; Total animals with tumor

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

BLANK ..Not examined microscopically

Experiment Number: 00602-05

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Mouse/B6C3F1/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/18/2014

Time Report Requested: 00:18:59

First Dose M/F: NA / NA

Lab: NCTR

| B6C3F1/NCTR Mouse Male
5.0%ETH/90PPMURE | | DAY ON TEST | |
|--|--|-------------|
| | | 0 | 0 | |
| | | 1 | 2 | 3 | 4 | 5 | 4 | 5 | 4 | 5 | 5 | 5 | 6 | 6 | 6 | 5 | 5 | 6 | 6 | 6 | 6 | 7 | 7 | 7 | 6 | 7 | 6 | 6 | 7 | |
| | | 3 | 9 | 5 | 4 | 0 | 6 | 5 | 7 | 0 | 7 | 9 | 4 | 1 | 2 | 8 | 7 | 2 | 7 | 9 | 7 | 0 | 4 | 1 | 9 | 5 | 9 | 8 | 4 | 6 |
| | | 8 | 6 | 5 | 4 | 7 | 7 | 3 | 8 | 7 | 0 | 3 | 3 | 8 | 0 | 0 | 7 | 3 | 3 | 0 | 0 | 2 | 7 | 0 | 7 | 3 | 1 | 4 | 8 | 5 |
| ANIMAL ID | | 0 | 0 | |
| | | 0 | 0 | |
| | | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 5 | 5 | 5 | 6 | |
| | | 4 | 8 | 0 | 2 | 2 | 2 | 6 | 6 | 7 | 0 | 4 | 5 | 6 | 7 | 8 | 9 | 9 | 2 | 4 | 8 | 2 | 5 | 8 | 9 | 9 | 0 | 0 | 3 | |
| | | 0 | 2 | 2 | 0 | 7 | 8 | 1 | 2 | 0 | 4 | 9 | 7 | 4 | 5 | 7 | 3 | 9 | 4 | 5 | 3 | 8 | 5 | 6 | 1 | 3 | 2 | 3 | 5 | 2 |
| Histiocytic Sarcoma | | X |
| Lymphoma Malignant | | X |
| Thymus | | X |
| Alveolar/Bronchiolar Carcinoma, Metastatic, Lung | | X |
| Lymphoma Malignant | | X |
| Sarcoma | | X |
| Thymoma Benign | | X |
| Integumentary System | | |
| Mammary Gland | | M |
| Skin | | + |
| Basal Cell Adenoma | | X |
| Fibroma | | X |
| Hemangiosarcoma | | X |
| Lipoma | | X |
| Lymphoma Malignant | | X |
| Sarcoma | | X |
| Sarcoma, Multiple | | X |
| Sebaceous Gl, Adenoma | | X |
| Squamous Cell Carcinoma | | X |
| Squamous Cell Papilloma | | X |
| Musculoskeletal System | | |

* ..Total animals with tissue examined microscopically; Total animals with tumor

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| B6C3F1/NCTR Mouse Male
5.0%ETH/90PPMURE | DAY ON TEST | |
|---|-------------|
| | 0 | 0 |
| | 1 | 2 | 3 | 4 | 5 | 4 | 5 | 4 | 5 | 5 | 5 | 6 | 6 | 6 | 5 | 5 | 6 | 6 | 6 | 6 | 7 | 7 | 7 | 6 | 7 | 6 | 6 | 7 |
| | 3 | 9 | 5 | 4 | 0 | 6 | 5 | 7 | 0 | 7 | 9 | 4 | 1 | 2 | 8 | 7 | 2 | 7 | 9 | 7 | 0 | 4 | 1 | 9 | 5 | 9 | 8 | 4 |
| ANIMAL ID | 8 | 6 | 5 | 4 | 7 | 7 | 3 | 8 | 7 | 0 | 3 | 3 | 8 | 0 | 0 | 7 | 3 | 3 | 0 | 0 | 2 | 7 | 0 | 7 | 3 | 1 | 4 | 8 |
| | 0 | 0 |
| | 0 | 0 |
| | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 5 | 5 | 5 |
| | 4 | 8 | 0 | 2 | 2 | 2 | 6 | 6 | 7 | 0 | 4 | 5 | 6 | 7 | 8 | 9 | 9 | 2 | 4 | 8 | 2 | 5 | 8 | 9 | 9 | 0 | 0 | 0 |
| | 0 | 2 | 2 | 0 | 7 | 8 | 1 | 2 | 0 | 4 | 9 | 7 | 4 | 5 | 7 | 3 | 9 | 4 | 5 | 3 | 8 | 5 | 6 | 1 | 3 | 2 | 3 | 5 |
| Bone | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + |
| Sternum, Carcinoma, Metastatic, Harderian Gland | |
| Skeletal Muscle | + | + |
| Lymphoma Malignant | |
| Rhabdomyosarcoma | |
| Nervous System | |
| Brain, Cerebellum | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + |
| Brain, Cerebrum | + | + |
| Lymphoma Malignant | | | | X | |
| Peripheral Nerve | + | + | M |
| Spinal Cord, Thoracic | + | + |
| Respiratory System | |
| Larynx | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + |
| Lymphoma Malignant | | | | X | |
| Lung | + | + |
| Alveolar/Bronchiolar Adenoma | | | | X | X | | X | | | X | X | | X | X | | X | X | | | | X | | | | | X | X | X |
| Alveolar/Bronchiolar Adenoma, Multiple | | | | | | | | | | | | | | | | | | X | X | X | | X | X | | | X | | |
| Alveolar/Bronchiolar Carcinoma | | | | | | | X | X | | | | | X | X | | | | | | | X | X | | | | X | | X |
| Alveolar/Bronchiolar Carcinoma, Multiple | |
| Carcinoma, Metastatic, Harderian Gland | |
| Hemangiosarcoma | |

* ..Total animals with tissue examined microscopically; Total animals with tumor

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

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| B6C3F1/NCTR Mouse Male
5.0%ETH/90PPMURE | DAY ON TEST | |
|---|-------------|
| | 0 | 0 |
| | 1 | 2 | 3 | 4 | 5 | 4 | 5 | 4 | 5 | 5 | 5 | 6 | 6 | 6 | 5 | 5 | 6 | 6 | 6 | 6 | 7 | 7 | 7 | 6 | 7 | 6 | 6 | 7 |
| | 3 | 9 | 5 | 4 | 0 | 6 | 5 | 7 | 0 | 7 | 9 | 4 | 1 | 2 | 8 | 7 | 2 | 7 | 9 | 7 | 0 | 4 | 1 | 9 | 5 | 9 | 8 | 4 |
| ANIMAL ID | 8 | 6 | 5 | 4 | 7 | 7 | 3 | 8 | 7 | 0 | 3 | 3 | 8 | 0 | 0 | 7 | 3 | 3 | 0 | 0 | 2 | 7 | 0 | 7 | 3 | 1 | 4 | 8 |
| | 0 | 0 |
| | 0 | 0 |
| | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 5 | 5 | 5 |
| | 4 | 8 | 0 | 2 | 2 | 2 | 6 | 6 | 7 | 0 | 4 | 5 | 6 | 7 | 8 | 9 | 9 | 2 | 4 | 8 | 2 | 5 | 8 | 9 | 9 | 0 | 0 | 0 |
| | 0 | 2 | 2 | 0 | 7 | 8 | 1 | 2 | 0 | 4 | 9 | 7 | 4 | 5 | 7 | 3 | 9 | 4 | 5 | 3 | 8 | 5 | 6 | 1 | 3 | 2 | 3 | 5 |
| Hepatocellular Carcinoma, Metastatic, Liver | | | | | | | | | | | | | X | | | | | | | X | | | | | | | | |
| Histiocytic Sarcoma | | | | | | | | | | | X | | | | | | | X | | | | | | | | | | |
| Lymphoma Malignant | | | X | X | | | | | | | | X | | | | | | | | | | | X | | | | | |
| Rhabdomyosarcoma, Metastatic, Skeletal Muscle | | | | | | | | | | X | | | | | | | | | | | | | | | | | | |
| Sarcoma, Metastatic, Thymus | |
| Nose | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | M | + | + | + | + | + | + | + | + | + | + | + |
| Lymphoma Malignant | | | X | X | | | | | | | | X | | | | | | | | | | | X | | | | | |
| Trachea | + | + |
| Lymphoma Malignant | | | | | | | | | | | | X | | | | | | | | | | | X | | | | | |
| Special Senses System | |
| Ear | | | | | | | | | | | | | | + | | | | | | | | | | | | | | |
| Eye | + | + | + | + | + | + | M | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Harderian Gland | + | M | + | + | + | + | M | + |
| Adenoma | | | | X | | | | | | | | | | | X | | X | | | X | | | X | | X | X | X | X |
| Bilateral, Adenoma | | | | | | X | | | | | | X | X | | | | | X | X | | | X | | X | | X | | |
| Bilateral, Carcinoma | | | | | | | | | | X | | | | | | | | | | | | | | | | | | |
| Carcinoma | | | | | | | | | | | | | | X | | | | | | | | X | | | | | | |
| Lymphoma Malignant | | | | X | |
| Lacrimal Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + |
| Lymphoma Malignant | | X | | | | | |
| Zymbal's Gland | + | + | M | + | + | M | + | + | + | + | + | + | M | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + |

* ..Total animals with tissue examined microscopically; Total animals with tumor

+ ..Tissue examined microscopically

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I ..Insufficient tissue

M ..Missing tissue

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Lab: NCTR

| B6C3F1/NCTR Mouse Male
5.0%ETH/90PPMURE | DAY ON TEST | |
|--|-------------|
| | 0 | 0 |
| | 1 | 2 | 3 | 4 | 5 | 4 | 5 | 4 | 5 | 5 | 5 | 6 | 6 | 6 | 5 | 5 | 6 | 6 | 6 | 6 | 7 | 7 | 7 | 6 | 7 | 6 | 6 | 7 |
| | 3 | 9 | 5 | 4 | 0 | 6 | 5 | 7 | 0 | 7 | 9 | 4 | 1 | 2 | 8 | 7 | 2 | 7 | 9 | 7 | 0 | 4 | 1 | 9 | 5 | 9 | 8 | 4 |
| ANIMAL ID | 8 | 6 | 5 | 4 | 7 | 7 | 3 | 8 | 7 | 0 | 3 | 3 | 8 | 0 | 0 | 7 | 3 | 3 | 0 | 0 | 2 | 7 | 0 | 7 | 3 | 1 | 4 | 8 |
| | 0 | 0 |
| | 0 | 0 |
| | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 5 | 5 | 5 |
| | 4 | 8 | 0 | 2 | 2 | 2 | 6 | 6 | 7 | 0 | 4 | 5 | 6 | 7 | 8 | 9 | 9 | 2 | 4 | 8 | 2 | 5 | 8 | 9 | 9 | 0 | 0 | 0 |
| | 0 | 2 | 2 | 0 | 7 | 8 | 1 | 2 | 0 | 4 | 9 | 7 | 4 | 5 | 7 | 3 | 9 | 4 | 5 | 3 | 8 | 5 | 6 | 1 | 3 | 2 | 3 | 5 |
| Carcinoma | |
| Lymphoma Malignant | |
| Urinary System | |
| Kidney | + | + |
| Alveolar/Bronchiolar Carcinoma, Metastatic, Lung | |
| Hemangiosarcoma | |
| Histiocytic Sarcoma | |
| Lymphoma Malignant | |
| Renal Tubule, Carcinoma | |
| Urinary Bladder | + | + | + | A | + |
| Carcinoma | |
| Lymphoma Malignant | |
| SYSTEMIC LESIONS | |
| Multiple Organ | + | + |
| Histiocytic Sarcoma | |
| Lymphoma Malignant | |

* ..Total animals with tissue examined microscopically; Total animals with tumor

+ ..Tissue examined microscopically

X ..Lesion present

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5.0%ETH/90PPMURE | DAY ON TEST | | | | | | | | | | | | | | | | |
|--|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| | 6 | 0 | 6 | 1 | 6 | 6 | 6 | 1 | 6 | 6 | 5 | 6 | 6 | 6 | 5 | 6 | 6 |
| ANIMAL ID | 4 | 7 | 4 | 1 | 4 | 4 | 4 | 7 | 0 | 4 | 4 | 4 | 4 | 4 | 1 | 2 | 4 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 |
| | 6 | 6 | 7 | 7 | 7 | 7 | 8 | 8 | 8 | 8 | 9 | 0 | 0 | 1 | 1 | 1 | 1 |
| | 4 | 7 | 1 | 4 | 4 | 4 | 1 | 7 | 7 | 8 | 9 | 3 | 7 | 2 | 5 | 5 | 9 |
| | 4 | 9 | 4 | 2 | 7 | 8 | 6 | 5 | 6 | 3 | 8 | 3 | 6 | 9 | 1 | 3 | 6 |
| *TOTALS | | | | | | | | | | | | | | | | | |

Alimentary System

| | | | | | | | | | | | | | | | | | | |
|-------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|
| Esophagus | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | | 1 |
| Gallbladder | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | A | + | 32 |
| Intestine Large | | | | | | | | + | | | | | | | | | + | 2 |
| Anus, Squamous Cell Carcinoma | | | | | | | | | | | | | | | | | X | 1 |
| Intestine Large, Cecum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | 39 |
| Histiocytic Sarcoma | | | | | | | | | | | | | | | | | | 1 |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | | 1 |
| Intestine Large, Colon | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 43 |
| Intestine Large, Rectum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 46 |
| Intestine Small, Duodenum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | 38 |
| Hemangioma | | | | | | | | | | | | | | | | | | 1 |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | | 1 |
| Intestine Small, Ileum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | 39 |
| Histiocytic Sarcoma | | | | | | | | | | | | | | | | | | 1 |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | | 4 |
| Intestine Small, Jejunum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | 36 |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | | 1 |
| Liver | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 |
| Hemangiosarcoma | X | | X | X | X | | | | X | X | X | X | | | | X | | 13 |
| Hepatoblastoma | | | | | | | | | | | | X | | | | | | 1 |

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+ ..Tissue examined microscopically

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M ..Missing tissue

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|---|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------|--|----|
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | |
| | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | | | |
| | 6 | 0 | 6 | 1 | 6 | 6 | 6 | 1 | 6 | 6 | 5 | 6 | 6 | 6 | 5 | 6 | 6 | | | |
| | 4 | 7 | 4 | 1 | 4 | 4 | 4 | 7 | 0 | 4 | 4 | 4 | 4 | 4 | 1 | 2 | 4 | | | |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | | | |
| | 6 | 6 | 7 | 7 | 7 | 7 | 8 | 8 | 8 | 8 | 9 | 0 | 0 | 1 | 1 | 1 | 1 | | | |
| | 4 | 7 | 1 | 4 | 4 | 4 | 1 | 7 | 7 | 8 | 9 | 3 | 7 | 2 | 5 | 5 | 9 | | | |
| | 4 | 9 | 4 | 2 | 7 | 8 | 6 | 5 | 6 | 3 | 8 | 3 | 6 | 9 | 1 | 3 | 6 | | | |
| | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | |
| Hepatocellular Adenoma | | | X | | | | | | | X | | | X | | | | | | | 9 |
| Hepatocellular Adenoma, Multiple | | | | | | X | | | | | | X | | | | | | | | 3 |
| Hepatocellular Carcinoma | | | | | | | | | | | | | | X | X | | | | | 9 |
| Histiocytic Sarcoma | | | | | X | | | | | | | | | | | | | | | 5 |
| Lymphoma Malignant | | | X | | | | | X | | | X | | | | | | | | | 8 |
| Pancreas | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | 44 |
| Histiocytic Sarcoma | | | | | | | | | | | | | | | | | | | | 1 |
| Lymphoma Malignant | | | | | | | | X | | | X | | | | | | | | | 8 |
| Salivary Glands | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | 48 |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | | | | 1 |
| Rhabdomyosarcoma, Metastatic, Skeletal Muscle | | | | | | | | | | | | | | | | | | | | 1 |
| Stomach, Forestomach | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | 48 |
| Hemangioma | X | | | | | | | | | | | | | | | | | | | 1 |
| Histiocytic Sarcoma | | | | | | | | | | | | | | | | | | | | 1 |
| Squamous Cell Carcinoma | | | | | | | | | | | | | | X | | | | | | 1 |
| Squamous Cell Papilloma | | | | | | | X | | X | | | | | X | | | | | | 5 |
| Stomach, Glandular | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | 45 |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | | | | 2 |
| Tongue | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | 48 |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | | | | 1 |
| Squamous Cell Carcinoma | | | | | | | | | | | | | | | | | | | | 1 |

* ..Total animals with tissue examined microscopically; Total animals with tumor

+ ..Tissue examined microscopically

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I ..Insufficient tissue

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Lab: NCTR

| DAY ON TEST | | | | | | | | | | | | | | | | | |
|-------------|---------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ANIMAL ID | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| | 6 | 0 | 6 | 1 | 6 | 6 | 6 | 1 | 6 | 6 | 5 | 6 | 6 | 6 | 5 | 6 | 6 |
| | 4 | 7 | 4 | 1 | 4 | 4 | 4 | 7 | 0 | 4 | 4 | 4 | 4 | 4 | 1 | 2 | 4 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 |
| | 6 | 6 | 7 | 7 | 7 | 7 | 8 | 8 | 8 | 8 | 9 | 0 | 0 | 1 | 1 | 1 | 1 |
| | 4 | 7 | 1 | 4 | 4 | 4 | 1 | 7 | 7 | 8 | 9 | 3 | 7 | 2 | 5 | 5 | 9 |
| | 4 | 9 | 4 | 2 | 7 | 8 | 6 | 5 | 6 | 3 | 8 | 3 | 6 | 9 | 1 | 3 | 6 |
| | *TOTALS | | | | | | | | | | | | | | | | |

Cardiovascular System

| | | | | | | | | | | | | | | | | | |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|
| Blood Vessel | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 47 |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | 1 |
| Heart | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 |
| Alveolar/Bronchiolar Carcinoma, Metastatic, Lung | | | | | | | | | | | | | | | | | 2 |
| Hemangiosarcoma | | | | | | | | | | | | X | X | | | | 4 |
| Histiocytic Sarcoma | | | | | | | | | | | | | | | | | 1 |
| Lymphoma Malignant | | | | | | | | X | | | | | | | | | 4 |
| Sarcoma, Metastatic, Thymus | | | | | | | | | | | | | | X | | | 1 |

Endocrine System

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|
| Adrenal Gland | | | | | | | | | | | | | | | | | 1 |
| Rhabdomyosarcoma, Metastatic, Skeletal Muscle | | | | | | | | | | | | | | | | | 1 |
| Adrenal Gland, Cortex | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | 45 |
| Adrenal Gland, Medulla | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | 45 |
| Pheochromocytoma Benign | X | | | | | | | | | | | | | | | | 2 |
| Pheochromocytoma Malignant | | | | | | | | | | | | | | | | | 1 |
| Islets, Pancreatic | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 44 |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | 1 |
| Parathyroid Gland | M | + | + | + | + | M | + | + | M | + | + | + | + | + | + | + | 37 |
| Pituitary Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 42 |

* ..Total animals with tissue examined microscopically; Total animals with tumor

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

BLANK ..Not examined microscopically

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

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Test Compound: Urethane + ethanol (combination)
 CAS Number: URETHCOMB

Date Report Requested: 10/18/2014
 Time Report Requested: 00:19:01
 First Dose M/F: NA / NA
 Lab: NCTR

| B6C3F1/NCTR Mouse Male
5.0%ETH/90PPMURE | | DAY ON TEST | | | | | | | | | | | | | | | | | |
|--|--|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|---|
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | |
| | | 6 | 0 | 6 | 1 | 6 | 6 | 6 | 1 | 6 | 6 | 5 | 6 | 6 | 6 | 5 | 6 | 6 | |
| ANIMAL ID | | 4 | 7 | 4 | 1 | 4 | 4 | 4 | 7 | 0 | 4 | 4 | 4 | 4 | 4 | 1 | 2 | 4 | |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | |
| | | 6 | 6 | 7 | 7 | 7 | 7 | 8 | 8 | 8 | 8 | 9 | 0 | 0 | 1 | 1 | 1 | 1 | |
| | | 4 | 7 | 1 | 4 | 4 | 4 | 1 | 7 | 7 | 8 | 9 | 3 | 7 | 2 | 5 | 5 | 9 | |
| | | 4 | 9 | 4 | 2 | 7 | 8 | 6 | 5 | 6 | 3 | 8 | 3 | 6 | 9 | 1 | 3 | 6 | |
| | | *TOTALS | | | | | | | | | | | | | | | | | |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | | | 1 |
| Thyroid Gland | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 47 | |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | | | 3 |
| General Body System | | | | | | | | | | | | | | | | | | | |
| Tissue NOS | | | | | | | | | | | | | | | | | | | 1 |
| Alveolar/Bronchiolar Carcinoma, Metastatic, Lung | | | | | | | | | | | | | | | | | | | 1 |
| Genital System | | | | | | | | | | | | | | | | | | | |
| Coagulating Gland | | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | 44 | |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | | | 2 |
| Epididymis | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 47 | |
| Histiocytic Sarcoma | | | | | | | | | | | | | | | | | | | 1 |
| Lymphoma Malignant | | | | | | | | | | | | X | | | | | | | 5 |
| Preputial Gland | | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 44 | |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | | | 1 |
| Prostate | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 | |
| Lymphoma Malignant | | | | | | | | | | | | | X | | | | | | 6 |
| Seminal Vesicle | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 45 | |
| Histiocytic Sarcoma | | | | | | | | | | | | | | | | | | | 1 |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | | | 3 |
| Testes | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 | |

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

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

Experiment Number: 00602-05

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Mouse/B6C3F1/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/18/2014

Time Report Requested: 00:19:01

First Dose M/F: NA / NA

Lab: NCTR

| B6C3F1/NCTR Mouse Male
5.0%ETH/90PPMURE | DAY ON TEST | | | | | | | | | | | | | | | |
|--|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ANIMAL ID | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| | 6 | 0 | 6 | 1 | 6 | 6 | 6 | 1 | 6 | 6 | 5 | 6 | 6 | 6 | 5 | 6 |
| | 4 | 7 | 4 | 1 | 4 | 4 | 4 | 7 | 0 | 4 | 4 | 4 | 4 | 4 | 1 | 2 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 |
| | 6 | 6 | 7 | 7 | 7 | 7 | 8 | 8 | 8 | 8 | 9 | 0 | 0 | 1 | 1 | 1 |
| | 4 | 7 | 1 | 4 | 4 | 4 | 1 | 7 | 7 | 8 | 9 | 3 | 7 | 2 | 5 | 5 |
| | 4 | 9 | 4 | 2 | 7 | 8 | 6 | 5 | 6 | 3 | 8 | 3 | 6 | 9 | 1 | 3 |
| *TOTALS | | | | | | | | | | | | | | | | |

Hematopoietic System

| | | | | | | | | | | | | | | | | | |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|
| Bone Marrow | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 46 |
| Histiocytic Sarcoma | | | | | | | | | | | | | | | | | 2 |
| Lymphoma Malignant | | | | | | | | X | | | | | | | | | 4 |
| Lymph Node | | | | | | | | + | | | + | | | | | | 10 |
| Axillary, Lymphoma Malignant | | | | | | | | | | | X | | | | | | 2 |
| Inguinal, Lymphoma Malignant | | | | | | | | | | | X | | | | | | 4 |
| Lumbar, Histiocytic Sarcoma | | | | | | | | | | | | | | | | | 1 |
| Lumbar, Lymphoma Malignant | | | | | | | | | | | X | | | | | | 1 |
| Pancreatic, Lymphoma Malignant | | | | | | | | | | | | | | | | | 1 |
| Renal, Alveolar/Bronchiolar Carcinoma,
Metastatic, Lung | | | | | | | | | | | | | | | | | 1 |
| Renal, Lymphoma Malignant | | | | | | | | X | | | X | | | | | | 4 |
| Lymph Node, Mandibular | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 47 |
| Histiocytic Sarcoma | | | | | | | | | | | | | | | | | 2 |
| Lymphoma Malignant | | | | | | X | | | | | X | | | X | | | 8 |
| Lymph Node, Mesenteric | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | 43 |
| Hemangiosarcoma | | | | | | | | | | | | | | | | | 1 |
| Histiocytic Sarcoma | | | | | X | | | | | | | | | | | | 4 |
| Lymphoma Malignant | | | X | | | X | | X | | | X | | | X | | | 12 |
| Spleen | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 45 |
| Hemangiosarcoma | | | | | | | | | | | | | | | | | 1 |

* ..Total animals with tissue examined microscopically; Total animals with tumor

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

BLANK ..Not examined microscopically

Experiment Number: 00602-05

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Mouse/B6C3F1/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/18/2014

Time Report Requested: 00:19:01

First Dose M/F: NA / NA

Lab: NCTR

| B6C3F1/NCTR Mouse Male
5.0%ETH/90PPMURE | DAY ON TEST | | | | | | | | | | | | | | | | | ANIMAL ID | | |
|---|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------|--|----|
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | |
| | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | | | |
| | 6 | 0 | 6 | 1 | 6 | 6 | 6 | 1 | 6 | 6 | 5 | 6 | 6 | 6 | 5 | 6 | 6 | | | |
| | 4 | 7 | 4 | 1 | 4 | 4 | 4 | 7 | 0 | 4 | 4 | 4 | 4 | 4 | 1 | 2 | 4 | | | |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | | | |
| | 6 | 6 | 7 | 7 | 7 | 7 | 8 | 8 | 8 | 8 | 9 | 0 | 0 | 1 | 1 | 1 | 1 | | | |
| | 4 | 7 | 1 | 4 | 4 | 4 | 1 | 7 | 7 | 8 | 9 | 3 | 7 | 2 | 5 | 5 | 9 | | | |
| | 4 | 9 | 4 | 2 | 7 | 8 | 6 | 5 | 6 | 3 | 8 | 3 | 6 | 9 | 1 | 3 | 6 | | | |
| | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | |
| Bone | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | 47 |
| Sternum, Carcinoma, Metastatic, Harderian Gland | X | | | | | | | | | | | | | | | | | | | 1 |
| Skeletal Muscle | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | 47 |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | | | | 1 |
| Rhabdomyosarcoma | | | | | | | | | | | | | | | | | | | | 1 |
| Nervous System | | | | | | | | | | | | | | | | | | | | |
| Brain, Cerebellum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | 46 |
| Brain, Cerebrum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | 48 |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | | | | 2 |
| Peripheral Nerve | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | 47 |
| Spinal Cord, Thoracic | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | 48 |
| Respiratory System | | | | | | | | | | | | | | | | | | | | |
| Larynx | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | 47 |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | | | | 3 |
| Lung | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | 48 |
| Alveolar/Bronchiolar Adenoma | | | | | | X | | | X | | | X | | | | X | X | | | 19 |
| Alveolar/Bronchiolar Adenoma, Multiple | | | X | X | X | | | X | | X | X | X | | | | | | | | 14 |
| Alveolar/Bronchiolar Carcinoma | | X | X | | | | X | X | X | | X | | | | | | | | | 15 |
| Alveolar/Bronchiolar Carcinoma, Multiple | | | | | | X | | | | | | | | X | | | | | | 2 |
| Carcinoma, Metastatic, Harderian Gland | X | | | | | | | | | | | | | | | | | | | 1 |
| Hemangiosarcoma | | | | | | | | | | | | | | | | | | | | 1 |

* ..Total animals with tissue examined microscopically; Total animals with tumor

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

BLANK ..Not examined microscopically

Experiment Number: 00602-05

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Mouse/B6C3F1/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/18/2014

Time Report Requested: 00:19:01

First Dose M/F: NA / NA

Lab: NCTR

| B6C3F1/NCTR Mouse Male
5.0%ETH/90PPMURE | DAY ON TEST | | | | | | | | | | | | | | | | |
|---|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ANIMAL ID | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| | 6 | 0 | 6 | 1 | 6 | 6 | 6 | 1 | 6 | 6 | 5 | 6 | 6 | 6 | 5 | 6 | 6 |
| | 4 | 7 | 4 | 1 | 4 | 4 | 4 | 7 | 0 | 4 | 4 | 4 | 4 | 4 | 1 | 2 | 4 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 |
| | 6 | 6 | 7 | 7 | 7 | 7 | 8 | 8 | 8 | 8 | 9 | 0 | 0 | 1 | 1 | 1 | 1 |
| | 4 | 7 | 1 | 4 | 4 | 4 | 1 | 7 | 7 | 8 | 9 | 3 | 7 | 2 | 5 | 5 | 9 |
| | 4 | 9 | 4 | 2 | 7 | 8 | 6 | 5 | 6 | 3 | 8 | 3 | 6 | 9 | 1 | 3 | 6 |
| | *TOTALS | | | | | | | | | | | | | | | | |
| Hepatocellular Carcinoma, Metastatic, Liver | | | | | | | | | | | | | | | | | 2 |
| Histiocytic Sarcoma | | | | | | X | | | | | | | | | | | 3 |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | 4 |
| Rhabdomyosarcoma, Metastatic, Skeletal Muscle | | | | | | | | | | | | | | | | | 1 |
| Sarcoma, Metastatic, Thymus | | | | | | | | | | | | | | X | | | 1 |
| Nose | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 46 |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | 4 |
| Trachea | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | 2 |
| Special Senses System | | | | | | | | | | | | | | | | | |
| Ear | | | | | | | | | | | | | | | | | 1 |
| Eye | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 46 |
| Harderian Gland | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 45 |
| Adenoma | | | | X | | | | | X | | X | X | | | | | 16 |
| Bilateral, Adenoma | | | | | | | | | | | | | X | X | | | 10 |
| Bilateral, Carcinoma | | | | | | | | | | | | | | | X | X | 3 |
| Carcinoma | X | | | | | X | X | | | X | X | | | | | | 7 |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | 1 |
| Lacrimal Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 47 |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | 1 |
| Zymbal's Gland | + | M | + | M | + | + | + | + | + | + | + | + | + | + | + | + | 42 |

* ..Total animals with tissue examined microscopically; Total animals with tumor

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

BLANK ..Not examined microscopically

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

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Test Compound: Urethane + ethanol (combination)
 CAS Number: URETHCOMB

Date Report Requested: 10/18/2014
 Time Report Requested: 00:19:02
 First Dose M/F: NA / NA
 Lab: NCTR

| B6C3F1/NCTR Mouse Male
5.0%ETH/90PPMURE | DAY ON TEST | | | | | | | | | | | | | | | | |
|--|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ANIMAL ID | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| | 6 | 0 | 6 | 1 | 6 | 6 | 6 | 1 | 6 | 6 | 5 | 6 | 6 | 6 | 5 | 6 | 6 |
| | 4 | 7 | 4 | 1 | 4 | 4 | 4 | 7 | 0 | 4 | 4 | 4 | 4 | 4 | 1 | 2 | 4 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 |
| | 6 | 6 | 7 | 7 | 7 | 7 | 8 | 8 | 8 | 8 | 9 | 0 | 0 | 1 | 1 | 1 | 1 |
| | 4 | 7 | 1 | 4 | 4 | 4 | 1 | 7 | 7 | 8 | 9 | 3 | 7 | 2 | 5 | 5 | 9 |
| | 4 | 9 | 4 | 2 | 7 | 8 | 6 | 5 | 6 | 3 | 8 | 3 | 6 | 9 | 1 | 3 | 6 |
| | *TOTALS | | | | | | | | | | | | | | | | |
| Carcinoma | | | | | | | | | | | | | | | | X | 1 |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | 1 |
| Urinary System | | | | | | | | | | | | | | | | | |
| Kidney | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 |
| Alveolar/Bronchiolar Carcinoma, Metastatic, Lung | | | | | | | | | | | | | | | | | 1 |
| Hemangiosarcoma | | | | | | | X | | | | X | | | | | | 3 |
| Histiocytic Sarcoma | | | | | | | | | | | | | | | | | 1 |
| Lymphoma Malignant | | | X | | | | | | | | X | | | | | | 7 |
| Renal Tubule, Carcinoma | | | X | | | | | | | | | | | | | | 1 |
| Urinary Bladder | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | 45 |
| Carcinoma | | | | | | | | | | | | | | | | | 1 |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | 3 |
| SYSTEMIC LESIONS | | | | | | | | | | | | | | | | | |
| Multiple Organ | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 |
| Histiocytic Sarcoma | | | | | X | | | | | | | | | | | | 5 |
| Lymphoma Malignant | | | X | | | X | | X | | X | | X | | X | | | 14 |

END OF MALE DATA

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

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

Species/Strain: Mouse/B6C3F1/NCTR

CAS Number: URETHCOMB

Lab: NCTR

[illegible]

1 ..Insufficient tissue

BLANK ..Not examined microscopically

Experiment Number: 00602-05

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Mouse/B6C3F1/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/18/2014

Time Report Requested: 00:19:03

First Dose M/F: NA / NA

Lab: NCTR

| B6C3F1/NCTR Mouse Female
0% ETH/ 0PPM URE | | DAY ON TEST | |
|--|--|-------------|
| | | ANIMAL ID |
| | | 0 | 0 | |
| | | 5 | 6 | 6 | 6 | 6 | 7 | |
| | | 4 | 1 | 3 | 3 | 4 | 4 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 2 | 2 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| | | 1 | 6 | 9 | 6 | 2 | 7 | 6 | 6 | 6 | 5 | 5 | 5 | 5 | 5 | 5 | 4 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| | | 0 | 0 |
| | | 0 | 0 |
| | | 2 | 2 | 2 | 3 | 4 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 8 | 8 | 8 | 8 | 8 | 8 | 8 |
| | | 0 | 2 | 7 | 0 | 2 | 0 | 5 | 5 | 6 | 1 | 1 | 1 | 1 | 6 | 6 | 8 | 8 | 3 | 3 | 3 | 3 | 9 | 9 | 9 | 9 | 6 | 6 | 7 | 3 | 3 | 3 |
| | | 3 | 0 | 3 | 9 | 5 | 0 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 5 | 4 | 5 | 6 | 7 | 6 | 7 | 8 | 9 | 8 | 9 | 0 | 0 | 1 | 2 |
| Harderian Gland | | + | + |
| Adenoma | | | | | | | X | | X |
| Lacrimal Gland | | + | + | + | + | + | + | + | + | + | M | + |
| Lymphoma Malignant | | | | | X | | | | | | | | | | | | X | | | | | | | | | | X | | | | | |
| Zymbal's Gland | | + | M | + | + | M | + |
| Urinary System | | |
| Kidney | | + | + |
| Lymphoma Malignant | | | | | X | | | | | | | | | | | X | X | | | | | | | | | | | | | | | |
| Urinary Bladder | | + | + |
| Lymphoma Malignant | | | | | | | | | | | | | | | | X | | | | | | | | | | | X | | | | | |
| SYSTEMIC LESIONS | | |
| Multiple Organ | | + | + |
| Histiocytic Sarcoma | | | X | |
| Lymphoma Malignant | | | | | X | | | | | | | | | | X | X | X | X | | | | | | | X | | X | X | | | | |

* ..Total animals with tissue examined microscopically; Total animals with tumor

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

BLANK ..Not examined microscopically

Experiment Number: 00602-05

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Mouse/B6C3F1/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/18/2014

Time Report Requested: 00:19:03

First Dose M/F: NA / NA

Lab: NCTR

| B6C3F1/NCTR Mouse Female
0% ETH/ 0PPM URE | DAY ON TEST | | | | | | | | | | | | | | | |
|--|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ANIMAL ID | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| | 5 | 5 | 5 | 5 | 5 | 5 | 1 | 1 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | 9 | 9 | 9 | 9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 2 | 2 |
| | 3 | 8 | 8 | 8 | 4 | 4 | 5 | 5 | 9 | 9 | 9 | 0 | 0 | 0 | 1 | 1 |
| | 3 | 6 | 7 | 8 | 4 | 5 | 3 | 4 | 0 | 1 | 2 | 3 | 4 | 5 | 0 | 1 |
| *TOTALS | | | | | | | | | | | | | | | | |

Alimentary System

| | | | | | | | | | | | | | | | | | |
|----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|
| Esophagus | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 |
| Gallbladder | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | 47 |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | 1 |
| Intestine Large, Cecum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 |
| Intestine Large, Colon | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 |
| Lymphoma Malignant | | | | | | | | | | X | | | | | | | 1 |
| Intestine Large, Rectum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 |
| Intestine Small, Duodenum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 |
| Intestine Small, Ileum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 |
| Lymphoma Malignant | | | | | | | | | | X | | | | | | | 1 |
| Intestine Small, Jejunum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 |
| Lymphoma Malignant | | | | X | | | | | | | | | | | | | 1 |
| Liver | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 |
| Hepatocellular Adenoma | | | | X | | | | | X | | | | | | | | 3 |
| Hepatocellular Adenoma, Multiple | | | | | | | | | | | | | | | | X | 2 |
| Histiocytic Sarcoma | | | | | | | | | | | | | | | | | 1 |
| Lymphoma Malignant | | X | | | | | X | X | | X | | | X | X | | | 11 |
| Mesentery | | | | | | | | | | | + | | | | | | 3 |
| Pancreas | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 |
| Lymphoma Malignant | | | | | | | X | | | X | | | X | | | | 7 |
| Salivary Glands | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 |

* ..Total animals with tissue examined microscopically; Total animals with tumor

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

BLANK ..Not examined microscopically

Experiment Number: 00602-05

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Mouse/B6C3F1/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/18/2014

Time Report Requested: 00:19:04

First Dose M/F: NA / NA

Lab: NCTR

| B6C3F1/NCTR Mouse Female
0% ETH/ 0PPM URE | DAY ON TEST | | | | | | | | | | | | | | | | | ANIMAL ID | | |
|--|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------|--|----|
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | |
| | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | | | |
| | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | | | |
| | 5 | 5 | 5 | 5 | 5 | 5 | 1 | 1 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | | | |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | |
| | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | | |
| | 9 | 9 | 9 | 9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 2 | 2 | 2 | | | |
| | 3 | 8 | 8 | 8 | 4 | 4 | 5 | 5 | 9 | 9 | 9 | 0 | 0 | 0 | 1 | 1 | 1 | | | |
| | 3 | 6 | 7 | 8 | 4 | 5 | 3 | 4 | 0 | 1 | 2 | 3 | 4 | 5 | 0 | 1 | 2 | | | |
| | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | |
| Lymphoma Malignant | | | | | | | X | X | | X | | | | | | | | | | 7 |
| Stomach, Forestomach | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | 48 |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | | | | 1 |
| Squamous Cell Papilloma | | | | | | | | | | | | | | | | | | | | 2 |
| Stomach, Glandular | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | 47 |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | | | | 1 |
| Tongue | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | 48 |
| Cardiovascular System | | | | | | | | | | | | | | | | | | | | |
| Blood Vessel | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | 47 |
| Heart | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | 48 |
| Histiocytic Sarcoma | | | | | | | | | | | | | | | | | | | | 1 |
| Lymphoma Malignant | | | | | | | X | | | X | | | | | | | | | | 3 |
| Endocrine System | | | | | | | | | | | | | | | | | | | | |
| Adrenal Gland, Cortex | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | 48 |
| Lymphoma Malignant | | | | | | | | | | X | | | | | | | | | | 1 |
| Subcapsular, Adenoma | | | | | | | | | | | | | | | | | | | | 1 |
| Adrenal Gland, Medulla | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | | | 47 |
| Lymphoma Malignant | | | | | | | | | | X | | | | | | | | | | 1 |
| Islets, Pancreatic | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | 48 |
| Adenoma | | | | | | | | | | | | | | | | | | | | 1 |
| Lymphoma Malignant | | | | | | | | | | X | | | | | | | | | | 3 |
| Parathyroid Gland | + | + | + | + | M | + | M | + | M | M | + | + | + | + | + | + | M | + | | 32 |

* ..Total animals with tissue examined microscopically; Total animals with tumor

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

BLANK ..Not examined microscopically

Experiment Number: 00602-05

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Mouse/B6C3F1/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/18/2014

Time Report Requested: 00:19:04

First Dose M/F: NA / NA

Lab: NCTR

| B6C3F1/NCTR Mouse Female
0% ETH/ 0PPM URE | DAY ON TEST | | | | | | | | | | | | | | | | | ANIMAL ID | | |
|--|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------|--|----|
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | |
| | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | | | |
| | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | | | |
| | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 1 | 1 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | | | |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | |
| | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | | |
| | 9 | 9 | 9 | 9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 2 | 2 | | | |
| | 3 | 8 | 8 | 8 | 4 | 4 | 5 | 5 | 9 | 9 | 9 | 0 | 0 | 0 | 1 | 1 | 1 | | | |
| | 3 | 6 | 7 | 8 | 4 | 5 | 3 | 4 | 0 | 1 | 2 | 3 | 4 | 5 | 0 | 1 | 1 | | | |
| | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | |
| Pituitary Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | M | | 42 |
| Pars Distalis, Adenoma | | | | | X | X | | | | | | | | | | | | | | 7 |
| Thyroid Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | | 47 |
| Follicular Cel, Adenoma | | | | | | | | | | X | | | | | | | | | | 1 |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | | | | 1 |
| General Body System | | | | | | | | | | | | | | | | | | | | |
| Tissue NOS | | | | | | | | | | | | | | | | | | | | 1 |
| Abdominal, Lymphoma Malignant | | | | | | | | | | | | | | | | | | | | 1 |
| Genital System | | | | | | | | | | | | | | | | | | | | |
| Clitoral Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | 43 |
| Ovary | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | 48 |
| Cystadenoma | | | | | X | | | | | | | | | X | | | | | | 2 |
| Hemangioma | | | | | | | | | | X | | | | | | | | | | 1 |
| Histiocytic Sarcoma | | | | | | | | | | | | | | | | | | | | 1 |
| Lymphoma Malignant | | | | | | | X | | | X | | | | | | | | | | 4 |
| Uterus | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | 48 |
| Histiocytic Sarcoma | | | | | | | | | | | | | | | | | | | | 1 |
| Lymphoma Malignant | | | | | | | X | | | | | | | | | | | | | 2 |
| Sarcoma Stromal | | | | | | | | | | | | | | | | | | | | 1 |
| Vagina | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | 48 |
| Lymphoma Malignant | | | | | | | X | | | | | | | X | | | | | | 3 |
| Sarcoma, Metastatic, Skin | | | | | | | | | | | | | | | | | | | | 1 |

* ..Total animals with tissue examined microscopically; Total animals with tumor

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

BLANK ..Not examined microscopically

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

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Test Compound: Urethane + ethanol (combination)
 CAS Number: URETHCOMB

Date Report Requested: 10/18/2014
 Time Report Requested: 00:19:04
 First Dose M/F: NA / NA
 Lab: NCTR

| DAY ON TEST | | | | | | | | | | | | | | | | | |
|--------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| B6C3F1/NCTR Mouse Female | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| 0% ETH/ 0PPM URE | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 1 | 1 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ANIMAL ID | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | 9 | 9 | 9 | 9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 2 | 2 | 2 |
| | 3 | 8 | 8 | 8 | 4 | 4 | 5 | 5 | 9 | 9 | 9 | 0 | 0 | 0 | 1 | 1 | 1 |
| | 3 | 6 | 7 | 8 | 4 | 5 | 3 | 4 | 0 | 1 | 2 | 3 | 4 | 5 | 0 | 1 | 2 |
| *TOTALS | | | | | | | | | | | | | | | | | |

Hematopoietic System

| | | | | | | | | | | | | | | | | | |
|--------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|
| Bone Marrow | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 |
| Lymph Node | | | | | | | + | | + | | | | + | + | | | 6 |
| Axillary, Lymphoma Malignant | | | | | | | X | | | | | | | | | | 2 |
| Lumbar, Lymphoma Malignant | | | | | | | X | | | | | | | X | | | 3 |
| Pancreatic, Lymphoma Malignant | | | | | | | | | | | | | | X | | | 1 |
| Renal, Lymphoma Malignant | | | | | | | | | | | | | X | X | | | 4 |
| Thoracic, Lymphoma Malignant | | | | | | | | | X | | | | | | | | 1 |
| Lymph Node, Mandibular | + | M | + | + | + | + | + | + | + | + | + | + | + | + | M | + | 45 |
| Lymphoma Malignant | | | | | | | X | X | | | | | | X | | | 9 |
| Lymph Node, Mesenteric | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 47 |
| Lymphoma Malignant | | | | X | | | X | X | | X | | | | X | X | | 13 |
| Spleen | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 |
| Lymphoma Malignant | | X | | X | X | | X | X | | X | | | | X | X | | 15 |
| Thymus | + | M | M | + | M | + | + | + | + | + | + | + | + | + | + | + | 40 |
| Lymphoma Malignant | | | | | | | X | | | X | | | | X | X | | 10 |

Integumentary System

| | | | | | | | | | | | | | | | | | |
|--------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|
| Mammary Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 47 |
| Adenocarcinoma | | | | | | | | | | | | | | | X | | 4 |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | 1 |
| Skin | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 |
| Sarcoma | X | | | | | | | | | | | | | | | | 4 |

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

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

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

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Test Compound: Urethane + ethanol (combination)
 CAS Number: URETHCOMB

Date Report Requested: 10/18/2014
 Time Report Requested: 00:19:04
 First Dose M/F: NA / NA
 Lab: NCTR

| | | DAY ON TEST | | | | | | | | | | | | | | | | | | |
|--------------------------------|--|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| B6C3F1/NCTR Mouse Female | | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | |
| 0% ETH/ 0PPM URE | | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | |
| | | 5 | 5 | 5 | 5 | 5 | 5 | 1 | 1 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | |
| ANIMAL ID | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | |
| | | 9 | 9 | 9 | 9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | |
| | | 3 | 8 | 8 | 8 | 4 | 4 | 5 | 5 | 9 | 9 | 9 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | |
| | | 3 | 6 | 7 | 8 | 4 | 5 | 3 | 4 | 0 | 1 | 2 | 3 | 4 | 5 | 0 | 1 | 1 | 2 | |
| | | *TOTALS | | | | | | | | | | | | | | | | | | |
| Musculoskeletal System | | | | | | | | | | | | | | | | | | | | |
| Bone | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 |
| Sternum, Lymphoma Malignant | | | | | | | | | | | | | | | | | | | | 1 |
| Skeletal Muscle | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 |
| Lymphoma Malignant | | | | | | | | X | | | | | | | | | | | | 1 |
| Sarcoma, Metastatic, Skin | | | | | | | | | | | | | | | | | | | | 1 |
| Nervous System | | | | | | | | | | | | | | | | | | | | |
| Brain, Cerebellum | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 |
| Brain, Cerebrum | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 |
| Peripheral Nerve | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 |
| Spinal Cord, Thoracic | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 |
| Respiratory System | | | | | | | | | | | | | | | | | | | | |
| Larynx | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 |
| Lung | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 |
| Alveolar/Bronchiolar Adenoma | | | | X | | | | | | | | | | X | | | | | | 4 |
| Alveolar/Bronchiolar Carcinoma | | | | | | X | | | | | | | | | | | | | | 2 |
| Lymphoma Malignant | | | | | | | X | | | X | | | | | X | X | | | | 8 |
| Nose | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 |
| Trachea | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 |
| Special Senses System | | | | | | | | | | | | | | | | | | | | |
| Eye | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 |

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

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

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

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Test Compound: Urethane + ethanol (combination)
 CAS Number: URETHCOMB

Date Report Requested: 10/18/2014
 Time Report Requested: 00:19:04
 First Dose M/F: NA / NA
 Lab: NCTR

| B6C3F1/NCTR Mouse Female
0% ETH/ 0PPM URE | DAY ON TEST | | | | | | | | | | | | | | | | | ANIMAL ID | |
|--|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------|----|
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | |
| | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | | |
| | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | | |
| | 5 | 5 | 5 | 5 | 5 | 5 | 1 | 1 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | | |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | |
| | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | |
| | 9 | 9 | 9 | 9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 2 | 2 | | |
| | 3 | 8 | 8 | 8 | 4 | 4 | 5 | 5 | 9 | 9 | 9 | 0 | 0 | 0 | 1 | 1 | 1 | | |
| | 3 | 6 | 7 | 8 | 4 | 5 | 3 | 4 | 0 | 1 | 2 | 3 | 4 | 5 | 0 | 1 | 1 | | |
| | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | |
| Harderian Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | 48 |
| Adenoma | | | | | | | | | | | | | | | | X | | | 3 |
| Lacrimal Gland | + | + | + | + | M | + | + | + | + | + | + | + | M | + | + | + | + | | 45 |
| Lymphoma Malignant | | | | | | | | | | X | | | | | | | | | 4 |
| Zymbal's Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | 46 |
| Urinary System | | | | | | | | | | | | | | | | | | | |
| Kidney | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | 48 |
| Lymphoma Malignant | | | | | | | X | | | X | | | | X | | | | | 6 |
| Urinary Bladder | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | 48 |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | | | 2 |
| SYSTEMIC LESIONS | | | | | | | | | | | | | | | | | | | |
| Multiple Organ | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | 48 |
| Histiocytic Sarcoma | | | | | | | | | | | | | | | | | | | 1 |
| Lymphoma Malignant | | X | | X | X | | X | X | | X | | | | X | X | | | | 16 |

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

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

Experiment Number: 00602-05

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Mouse/B6C3F1/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/18/2014

Time Report Requested: 00:19:04

First Dose M/F: NA / NA

Lab: NCTR

| B6C3F1/NCTR Mouse Female
0% ETH/ 10PPMURE | | DAY ON TEST | |
|--|--|-------------|
| | | 0 | 0 | |
| | | 4 | 5 | 5 | 6 | 6 | 6 | 6 | 7 | |
| | | 8 | 9 | 1 | 7 | 4 | 4 | 8 | 2 | 4 | 3 | 6 | 6 | 6 | 6 | 6 | 6 | 4 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | |
| ANIMAL ID | | 9 | 4 | 0 | 2 | 3 | 8 | 4 | 8 | 1 | 9 | 6 | 6 | 5 | 5 | 5 | 5 | 5 | 2 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | |
| | | 0 | 0 |
| | | 0 | 0 |
| | | 1 | 2 | 2 | 2 | 3 | 3 | 3 | 4 | 4 | 4 | 5 | 5 | 6 | 6 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 8 | 8 | 8 | 9 | 9 | 9 | 9 |
| | | 4 | 0 | 1 | 9 | 0 | 5 | 9 | 4 | 5 | 7 | 5 | 5 | 1 | 1 | 2 | 6 | 6 | 7 | 2 | 2 | 3 | 8 | 8 | 5 | 5 | 1 | 1 | 1 | 7 | |
| | | 7 | 0 | 0 | 8 | 4 | 8 | 8 | 4 | 6 | 8 | 4 | 5 | 8 | 9 | 0 | 6 | 7 | 6 | 7 | 8 | 9 | 0 | 3 | 4 | 0 | 1 | 2 | 3 | 4 | 5 |

Alimentary System

| |
|----------------------------------|
| Esophagus | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Lymphoma Malignant | | | | | | | | | | | X | |
| Gallbladder | + | A | A | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Lymphoma Malignant | | | | | | | | | | | X | |
| Intestine Large, Cecum | + | A | + | + | A | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Lymphoma Malignant | | | | X | |
| Intestine Large, Colon | + | A | + | A | A | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Large, Rectum | + | A | + | + | A | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Small | | | | | | | | | | + | |
| Polyp Adenomatous | | | | | | | | | | X | |
| Intestine Small, Duodenum | M | A | + | A | A | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Small, Ileum | + | A | + | A | A | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Lymphoma Malignant | | | | | | | | | | | X | |
| Intestine Small, Jejunum | + | A | + | A | A | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Liver | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Hepatocellular Adenoma | | | | | | | X | | | | | | | | X | | | | | | | X | | | | | X | | X | | |
| Hepatocellular Adenoma, Multiple | | | | | | | | | | | | | X | | | | | | | X | | | | | | | | | | | |
| Hepatocellular Carcinoma | | | | | | | | | | X | |
| Histiocytic Sarcoma | | X | | | X | |
| Lymphoma Malignant | | | X | | | | | | | | X | |
| Mesentery | + | | | + | |

* ..Total animals with tissue examined microscopically; Total animals with tumor

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

BLANK ..Not examined microscopically

Experiment Number: 00602-05

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Mouse/B6C3F1/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/18/2014

Time Report Requested: 00:19:05

First Dose M/F: NA / NA

Lab: NCTR

| B6C3F1/NCTR Mouse Female
0% ETH/ 10PPMURE | | DAY ON TEST | |
|--|--|-------------|
| | | 0 | 0 |
| | | 4 | 5 | 5 | 6 | 6 | 6 | 6 | 7 |
| | | 8 | 9 | 1 | 7 | 4 | 4 | 8 | 2 | 4 | 3 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 4 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| ANIMAL ID | | 9 | 4 | 0 | 2 | 3 | 8 | 4 | 8 | 1 | 9 | 6 | 6 | 5 | 5 | 5 | 5 | 5 | 2 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| | | 0 | 0 |
| | | 0 | 0 |
| | | 1 | 2 | 2 | 2 | 3 | 3 | 3 | 4 | 4 | 4 | 5 | 5 | 6 | 6 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 8 | 8 | 8 | 9 | 9 |
| | | 4 | 0 | 1 | 9 | 0 | 5 | 9 | 4 | 5 | 7 | 5 | 5 | 1 | 1 | 2 | 6 | 6 | 7 | 2 | 2 | 2 | 3 | 8 | 8 | 5 | 5 | 1 | 1 |
| | | 7 | 0 | 0 | 8 | 4 | 8 | 8 | 4 | 6 | 8 | 4 | 5 | 8 | 9 | 0 | 6 | 7 | 6 | 7 | 8 | 9 | 0 | 3 | 4 | 0 | 1 | 2 | 3 |
| Parathyroid Gland | | + | + | M | M | + | M | + | + | + | + | M | + | M | + | + | + | M | + | + | + | + | + | + | + | + | + | M | M |
| Lymphoma Malignant | | | | | | | | | | | | X | | | | | | | | | | | | | | | | | |
| Pituitary Gland | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | I | + | + | + | + | M | + | + | + | + | + | + | + | + |
| Pars Distalis, Adenoma | | | | | | | | | | X | | | | | | | | X | | | | | | | | | | X | |
| Thyroid Gland | | + | + |
| Lymphoma Malignant | | | | | | | | | | | | X | | | | | | | | | | | | | | | | | |
| General Body System | | |
| Tissue NOS | | | | | + | |
| Lymphoma Malignant | | | | | X | |
| Genital System | | |
| Clitoral Gland | | + | + | + | + | + | M | + | + | M | + | + | + | + | + | + | + | + | + | + | M | + | M | + | + | + | + | + | M |
| Ovary | | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + |
| Histiocytic Sarcoma | | | X | |
| Luteoma | | | X | |
| Lymphoma Malignant | | | | | X | | | | | | X | | | | | | | | | | | | | | | | | | |
| Uterus | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | |
| Endometrium, Adenoma | | | | | | | | | | | | | | | | | X | | | | | | | | | | | | |
| Hemangioma | | |
| Histiocytic Sarcoma | | | | | | X | |
| Lymphoma Malignant | | | | | X | | | | | | X | | | | | | | | | | | | | | | | | | |
| Vagina | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | |
| Basosquamous Tumor Benign | | |

* ..Total animals with tissue examined microscopically; Total animals with tumor

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

BLANK ..Not examined microscopically

Experiment Number: 00602-05

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Mouse/B6C3F1/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/18/2014

Time Report Requested: 00:19:06

First Dose M/F: NA / NA

Lab: NCTR

| B6C3F1/NCTR Mouse Female
0% ETH/ 10PPMURE | DAY ON TEST | |
|--|-------------|
| | 0 | 0 |
| | 4 | 5 | 5 | 6 | 6 | 6 | 6 | 7 |
| | 8 | 9 | 1 | 7 | 4 | 4 | 8 | 2 | 4 | 3 | 6 | 6 | 6 | 6 | 6 | 6 | 4 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| | 9 | 4 | 0 | 2 | 3 | 8 | 4 | 8 | 1 | 9 | 6 | 6 | 5 | 5 | 5 | 5 | 5 | 2 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| ANIMAL ID | 0 | 0 |
| | 0 | 0 |
| | 1 | 2 | 2 | 2 | 3 | 3 | 3 | 4 | 4 | 4 | 5 | 5 | 6 | 6 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 8 | 8 | 8 | 9 | 9 | |
| | 4 | 0 | 1 | 9 | 0 | 5 | 9 | 4 | 5 | 7 | 5 | 5 | 1 | 1 | 2 | 6 | 6 | 7 | 2 | 2 | 2 | 3 | 8 | 8 | 5 | 5 | 1 | 1 | 1 |
| | 7 | 0 | 0 | 8 | 4 | 8 | 8 | 4 | 6 | 8 | 4 | 5 | 8 | 9 | 0 | 6 | 7 | 6 | 7 | 8 | 9 | 0 | 3 | 4 | 0 | 1 | 2 | 3 | 4 |
| Lymphoma Malignant | X |
| Hematopoietic System | |
| Bone Marrow | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + |
| Lymph Node | + |
| Axillary, Lymphoma Malignant | X |
| Inguinal, Lymphoma Malignant | X |
| Lumbar, Lymphoma Malignant | X |
| Pancreatic, Lymphoma Malignant | X |
| Renal, Lymphoma Malignant | X |
| Thoracic, Lymphoma Malignant | X |
| Lymph Node, Mandibular | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + |
| Histiocytic Sarcoma | X |
| Lymphoma Malignant | X |
| Lymph Node, Mesenteric | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | M | + | + | + |
| Histiocytic Sarcoma | X |
| Lymphoma Malignant | X |
| Sarcoma | X |
| Spleen | + | A | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + |
| Lymphoma Malignant | X |
| Sarcoma, Metastatic, Lymph Node | X |
| Thymus | + | + | + | + | M | M | + | + | + | + | + | + | M | + | + | + | + | A | + | + | + | + | M | + | + | M | + | + | + |
| Histiocytic Sarcoma | X |

* ..Total animals with tissue examined microscopically; Total animals with tumor

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

BLANK ..Not examined microscopically

Species/Strain: Mouse/B6C3F1/NCTR

CAS Number: URETHCOMB

Lab: NCTR

| B6C3F1/NCTR Mouse Female
0% ETH/ 10PPMURE | | DAY ON TEST | |
|--|--|-------------|
| | | ANIMAL ID |
| | | |
| | | |
| Lymphoma Malignant | | 0 | 0 |
| Integumentary System | | 4 | 5 | 5 | 6 | 6 | 6 | 6 | 7 |
| Mammary Gland | | 8 | 9 | 1 | 7 | 4 | 4 | 8 | 2 | 4 | 3 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 4 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| Adenoacanthoma | | 9 | 4 | 0 | 2 | 3 | 8 | 4 | 8 | 1 | 9 | 6 | 6 | 5 | 5 | 5 | 5 | 5 | 2 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| Adenocarcinoma | | 0 | 0 |
| Skin | | 0 | 0 |
| Fibrous Histiocytoma | | 1 | 2 | 2 | 2 | 3 | 3 | 3 | 4 | 4 | 4 | 5 | 5 | 6 | 6 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 8 | 8 | 8 | 8 | 9 | 9 | 9 |
| Lymphoma Malignant | | 4 | 0 | 1 | 9 | 0 | 5 | 9 | 4 | 5 | 7 | 5 | 5 | 1 | 1 | 2 | 6 | 6 | 7 | 2 | 2 | 2 | 3 | 8 | 8 | 5 | 5 | 5 | 1 | 1 | 7 |
| Papilloma | | 7 | 0 | 0 | 8 | 4 | 8 | 8 | 4 | 6 | 8 | 4 | 5 | 8 | 9 | 0 | 6 | 7 | 6 | 7 | 8 | 9 | 0 | 3 | 4 | 0 | 1 | 2 | 3 | 4 | 4 |
| Sarcoma | | X | | | | | | | | | | | | | | X | | | | | | | | | | | | | | | |
| Musculoskeletal System | | |
| Bone | | + | + | |
| Skeletal Muscle | | + | + |
| Lymphoma Malignant | | X | | | | | | | | | | | | | | X | | | | | | | | | | | | | | | |
| Rhabdomyosarcoma | | X |
| Nervous System | | |
| Brain, Cerebellum | | + | + |
| Brain, Cerebrum | | + | + |
| Peripheral Nerve | | + | + |
| Spinal Cord, Thoracic | | + | + |
| Respiratory System | | |

BLANK ..Not examined microscopically

Experiment Number: 00602-05

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Mouse/B6C3F1/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/18/2014

Time Report Requested: 00:19:06

First Dose M/F: NA / NA

Lab: NCTR

| B6C3F1/NCTR Mouse Female
0% ETH/ 10PPMURE | DAY ON TEST | |
|--|-------------|
| | 0 | 0 |
| | 4 | 5 | 5 | 6 | 6 | 6 | 6 | 7 |
| | 8 | 9 | 1 | 7 | 4 | 4 | 8 | 2 | 4 | 3 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 4 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| ANIMAL ID | 9 | 4 | 0 | 2 | 3 | 8 | 4 | 8 | 1 | 9 | 6 | 6 | 5 | 5 | 5 | 5 | 5 | 2 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| | 0 | 0 |
| | 0 | 0 |
| | 1 | 2 | 2 | 2 | 3 | 3 | 3 | 4 | 4 | 4 | 5 | 5 | 6 | 6 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 8 | 8 | 8 | 9 | 9 |
| | 4 | 0 | 1 | 9 | 0 | 5 | 9 | 4 | 5 | 7 | 5 | 5 | 1 | 1 | 2 | 6 | 6 | 7 | 2 | 2 | 2 | 3 | 8 | 8 | 5 | 5 | 1 | 1 |
| | 7 | 0 | 0 | 8 | 4 | 8 | 8 | 4 | 6 | 8 | 4 | 5 | 8 | 9 | 0 | 6 | 7 | 6 | 7 | 8 | 9 | 0 | 3 | 4 | 0 | 1 | 2 | 3 |
| Larynx | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + |
| Lymphoma Malignant | | | | | | | | | | X | | | | | | | | | | | | | | | | | | |
| Lung | + | + |
| Adenoacanthoma, Metastatic, Mammary Gland | | | | | | | | X | |
| Alveolar/Bronchiolar Adenoma | | | | | | | | | | X | | X | | | | | | | | | X | | | | | X | | X |
| Alveolar/Bronchiolar Carcinoma | | | | | | | | | | X | | | | | | | | X | | | | | | | X | | | |
| Histiocytic Sarcoma | | | X | |
| Lymphoma Malignant | | | | X | | | | | | X | | | | | | | | | | | | | | | | | | |
| Nose | + | + |
| Trachea | + | + | + | A | + |
| Special Senses System | |
| Eye | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + |
| Harderian Gland | + | + |
| Adenoma | | | | | | X | X | X | | | | | | | X | | | | | | X | | | | X | | | |
| Carcinoma | | | | | | | | | | | | | | | | | | X | | | | | | | | | | |
| Lymphoma Malignant | | | | X | | | | | | X | | | | | | | | | | | | | | | | | | |
| Lacrimal Gland | + | + |
| Lymphoma Malignant | | | | X | | | | | | X | | | | | | | | | | | | | | | | | | |
| Zymbal's Gland | + | + | M | + | + | M | + | + | + | + | + | + | M | + | + | + | + | + | + | M | + | + | + | + | M | + | + | + |
| Lymphoma Malignant | | | | | | | | | | X | | | | | | | | | | | | | | | | | | |
| Urinary System | |

* ..Total animals with tissue examined microscopically; Total animals with tumor

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

BLANK ..Not examined microscopically

Species/Strain: Mouse/B6C3F1/NCTR

CAS Number: URETHCOMB

Lab: NCTR

[illegible]

Insufficient tissue

BLANK ..Not examined microscopically

Experiment Number: 00602-05

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Mouse/B6C3F1/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/18/2014

Time Report Requested: 00:19:06

First Dose M/F: NA / NA

Lab: NCTR

| B6C3F1/NCTR Mouse Female
0% ETH/ 10PPMURE | DAY ON TEST | | | | | | | | | | | | | | | | ANIMAL ID | |
|--|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------|---------|
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | |
| | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | | |
| | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | | |
| | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | | |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | |
| | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | |
| | 9 | 9 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | | |
| | 7 | 7 | 4 | 5 | 5 | 5 | 9 | 9 | 0 | 0 | 4 | 4 | 4 | 4 | 1 | 1 | | |
| | 5 | 6 | 9 | 0 | 1 | 2 | 8 | 9 | 0 | 1 | 6 | 7 | 8 | 9 | 8 | 9 | | |
| | | | | | | | | | | | | | | | | | | *TOTALS |

Alimentary System

| | | | | | | | | | | | | | | | | | | |
|----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--|----|
| Esophagus | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | 47 |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | | 1 |
| Gallbladder | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | 45 |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | | 1 |
| Intestine Large, Cecum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | 45 |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | | 1 |
| Intestine Large, Colon | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | 44 |
| Intestine Large, Rectum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | 45 |
| Intestine Small | | | | | | | | | | | | | | | | | | 1 |
| Polyp Adenomatous | | | | | | | | | | | | | | | | | | 1 |
| Intestine Small, Duodenum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | 43 |
| Intestine Small, Ileum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | 44 |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | | 1 |
| Intestine Small, Jejunum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | 44 |
| Liver | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | 47 |
| Hepatocellular Adenoma | | | | | | | | | | X | | | | | X | X | | 8 |
| Hepatocellular Adenoma, Multiple | | | | | | | | | | | | | | | | | | 2 |
| Hepatocellular Carcinoma | | | | | | | | | | | | | | | | | | 1 |
| Histiocytic Sarcoma | | | | | | | | | | | | | | | | | | 2 |
| Lymphoma Malignant | | | | | | | | | X | | | | | | | | | 3 |
| Mesentery | | | | | | | | | + | + | | | | | | | | 4 |

* ..Total animals with tissue examined microscopically; Total animals with tumor

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

BLANK ..Not examined microscopically

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

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Test Compound: Urethane + ethanol (combination)
 CAS Number: URETHCOMB

Date Report Requested: 10/18/2014
 Time Report Requested: 00:19:07
 First Dose M/F: NA / NA
 Lab: NCTR

| B6C3F1/NCTR Mouse Female
0% ETH/ 10PPMURE | DAY ON TEST | | | | | | | | | | | | | | | | | | ANIMAL ID | |
|--|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------|----|
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | |
| | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | | |
| | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | | |
| | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | | |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | |
| | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | |
| | 9 | 9 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | | |
| | 7 | 7 | 4 | 5 | 5 | 5 | 9 | 9 | 0 | 0 | 4 | 4 | 4 | 4 | 1 | 1 | 2 | 2 | | |
| | 5 | 6 | 9 | 0 | 1 | 2 | 8 | 9 | 0 | 1 | 6 | 7 | 8 | 9 | 8 | 9 | 0 | 0 | | |
| | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | |
| Pancreas | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | 43 |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | | | | 1 |
| Salivary Glands | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | 48 |
| Lymphoma Malignant | | | | | | | | X | | | | | | | | | | | | 3 |
| Stomach, Forestomach | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | 46 |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | | | | 1 |
| Squamous Cell Carcinoma | | | | | | | | | | | | | | | | | | | | 1 |
| Squamous Cell Papilloma | | | | X | | X | | | | | | | | | | | X | | | 3 |
| Stomach, Glandular | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | 46 |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | | | | 1 |
| Tongue | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | 48 |
| Cardiovascular System | | | | | | | | | | | | | | | | | | | | |
| Blood Vessel | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | | 47 |
| Heart | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | 48 |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | | | | 2 |
| Endocrine System | | | | | | | | | | | | | | | | | | | | |
| Adrenal Gland, Cortex | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | 45 |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | | | | 2 |
| Adrenal Gland, Medulla | + | + | M | + | M | + | + | + | + | + | M | + | + | + | + | + | + | + | | 42 |
| Lymphoma Malignant | | | | | | | | X | | | | | | | | | | | | 1 |
| Islets, Pancreatic | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | 43 |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | | | | 1 |

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

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

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

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Test Compound: Urethane + ethanol (combination)
 CAS Number: URETHCOMB

Date Report Requested: 10/18/2014
 Time Report Requested: 00:19:07
 First Dose M/F: NA / NA
 Lab: NCTR

| B6C3F1/NCTR Mouse Female
0% ETH/ 10PPMURE | DAY ON TEST | | | | | | | | | | | | | | | | | ANIMAL ID | | |
|--|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------|--|----|
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | |
| | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | | | |
| | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | | | |
| | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | | | |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | |
| | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | | |
| | 9 | 9 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | | | |
| | 7 | 7 | 4 | 5 | 5 | 5 | 9 | 9 | 0 | 0 | 4 | 4 | 4 | 4 | 1 | 1 | 2 | | | |
| | 5 | 6 | 9 | 0 | 1 | 2 | 8 | 9 | 0 | 1 | 6 | 7 | 8 | 9 | 8 | 9 | 0 | | | |
| | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | |
| Parathyroid Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | | 38 |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | | | | 1 |
| Pituitary Gland | + | + | + | + | + | + | + | + | + | + | M | M | M | + | + | + | M | | | 42 |
| Pars Distalis, Adenoma | | | | | | | | | | | | | | | X | | | | | 4 |
| Thyroid Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | | 47 |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | | | | 1 |
| General Body System | | | | | | | | | | | | | | | | | | | | |
| Tissue NOS | | | | | | | | | | | | | | | | | | | | 1 |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | | | | 1 |
| Genital System | | | | | | | | | | | | | | | | | | | | |
| Clitoral Gland | + | + | + | + | + | + | + | M | + | + | + | M | + | + | + | + | + | | | 41 |
| Ovary | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | 46 |
| Histiocytic Sarcoma | | | | | | | | | | | | | | | | | | | | 1 |
| Luteoma | | | | | | | | | | | | | | | | | | | | 1 |
| Lymphoma Malignant | | | | | | | | X | | | | | | | | | | | | 3 |
| Uterus | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | 47 |
| Endometrium, Adenoma | | | | | | | | | | | | | | | | | | | | 1 |
| Hemangioma | | | | | | | | | | | X | | | | | | | | | 1 |
| Histiocytic Sarcoma | | | | | | | | | | | | | | | | | | | | 1 |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | | | | 2 |
| Vagina | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | 47 |
| Basosquamous Tumor Benign | | | | | | | | | | | | | | | X | | | | | 1 |

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

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

Experiment Number: 00602-05

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Mouse/B6C3F1/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/18/2014

Time Report Requested: 00:19:07

First Dose M/F: NA / NA

Lab: NCTR

| B6C3F1/NCTR Mouse Female
0% ETH/ 10PPMURE | | DAY ON TEST | | | | | | | | | | | | | | | | ANIMAL ID | *TOTALS |
|--|--|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------|---------|
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | |
| | | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | | |
| | | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | | |
| | | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | | |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | |
| | | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | |
| | | 9 | 9 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | | |
| | | 7 | 7 | 4 | 5 | 5 | 5 | 9 | 9 | 0 | 0 | 4 | 4 | 4 | 4 | 1 | 1 | | |
| | | 5 | 6 | 9 | 0 | 1 | 2 | 8 | 9 | 0 | 1 | 6 | 7 | 8 | 9 | 8 | 9 | | |
| Lymphoma Malignant | | X | | | | | | | | | | | | | | | | 3 | |
| Integumentary System | | | | | | | | | | | | | | | | | | | |
| Mammary Gland | | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | 46 | |
| Adenoacanthoma | | | | | | | | | | | | | | | | | | 1 | |
| Adenocarcinoma | | | | | | | | | | | | | | | | | | 3 | |
| Skin | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 | |
| Fibrous Histiocytoma | | | | | | | | | | | | | | | | | | 1 | |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | | 1 | |
| Papilloma | | | | | | | | | | | | | | | | | | 1 | |
| Sarcoma | | | | | | | | | | | | | | | | | | 3 | |
| Musculoskeletal System | | | | | | | | | | | | | | | | | | | |
| Bone | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 | |
| Skeletal Muscle | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 | |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | | 2 | |
| Rhabdomyosarcoma | | | | | | | | | | | | | | | | | | 1 | |
| Nervous System | | | | | | | | | | | | | | | | | | | |
| Brain, Cerebellum | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 | |
| Brain, Cerebrum | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 | |
| Peripheral Nerve | | + | + | + | + | + | + | + | + | + | + | + | + | + | I | + | + | 47 | |
| Spinal Cord, Thoracic | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 | |
| Respiratory System | | | | | | | | | | | | | | | | | | | |

* ..Total animals with tissue examined microscopically; Total animals with tumor

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

BLANK ..Not examined microscopically

Experiment Number: 00602-05

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Mouse/B6C3F1/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/18/2014

Time Report Requested: 00:19:07

First Dose M/F: NA / NA

Lab: NCTR

| B6C3F1/NCTR Mouse Female
0% ETH/ 10PPMURE | DAY ON TEST | | | | | | | | | | | | | | | | | ANIMAL ID | | |
|--|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------|--|----|
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | |
| | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | | | |
| | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | | | |
| | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | | | |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | |
| | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | | |
| | 9 | 9 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | | | |
| | 7 | 7 | 4 | 5 | 5 | 5 | 9 | 9 | 0 | 0 | 4 | 4 | 4 | 4 | 1 | 1 | 2 | | | |
| | 5 | 6 | 9 | 0 | 1 | 2 | 8 | 9 | 0 | 1 | 6 | 7 | 8 | 9 | 8 | 9 | 0 | | | |
| | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | |
| Larynx | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | | 46 |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | | | | 1 |
| Lung | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | 48 |
| Adenoacanthoma, Metastatic, Mammary Gland | | | | | | | | | | | | | | | | | | | | 1 |
| Alveolar/Bronchiolar Adenoma | | | | | | X | | | | | | | | | | | | | | 6 |
| Alveolar/Bronchiolar Carcinoma | | | | | | | | | | | | | | | | | | X | | 4 |
| Histiocytic Sarcoma | | | | | | | | | | | | | | | | | | | | 1 |
| Lymphoma Malignant | | | | | | | | X | | | | | | | | | | | | 3 |
| Nose | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | 48 |
| Trachea | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | 47 |
| Special Senses System | | | | | | | | | | | | | | | | | | | | |
| Eye | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | 47 |
| Harderian Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | 48 |
| Adenoma | | | X | | | | | | | X | | | | | X | | X | | | 10 |
| Carcinoma | | | | | | | | | | | | | | | | | | | | 1 |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | | | | 2 |
| Lacrimal Gland | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | | | 47 |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | | | | 2 |
| Zymbal's Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | 43 |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | | | | 1 |
| Urinary System | | | | | | | | | | | | | | | | | | | | |

* ..Total animals with tissue examined microscopically; Total animals with tumor

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

BLANK ..Not examined microscopically

Experiment Number: 00602-05

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Mouse/B6C3F1/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/18/2014

Time Report Requested: 00:19:08

First Dose M/F: NA / NA

Lab: NCTR

| B6C3F1/NCTR Mouse Female
0% ETH/ 30PPMURE | DAY ON TEST | |
|--|-------------|
| | 0 | 0 |
| | 4 | 4 | 5 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 7 | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| | 2 | 3 | 2 | 2 | 2 | 5 | 4 | 1 | 7 | 9 | 4 | 3 | 6 | 2 | 1 | 7 | 1 | 6 | 6 | 6 | 1 | 6 | 0 | 6 | 4 | 6 | 6 | 6 |
| ANIMAL ID | 4 | 8 | 2 | 1 | 2 | 4 | 9 | 6 | 5 | 6 | 9 | 5 | 9 | 5 | 2 | 8 | 9 | 6 | 6 | 6 | 0 | 3 | 1 | 5 | 6 | 5 | 5 | 5 |
| | 0 | 0 |
| | 0 | 0 |
| | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | 5 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 7 | 7 |
| | 0 | 1 | 5 | 8 | 8 | 0 | 2 | 7 | 0 | 5 | 8 | 0 | 1 | 3 | 3 | 7 | 9 | 4 | 4 | 4 | 6 | 6 | 7 | 0 | 2 | 5 | 2 | 9 |
| | 1 | 2 | 8 | 2 | 4 | 2 | 3 | 1 | 2 | 3 | 0 | 6 | 7 | 2 | 5 | 9 | 6 | 6 | 7 | 8 | 1 | 8 | 1 | 6 | 5 | 3 | 4 | 1 |

Alimentary System

| |
|------------------------------------|
| Esophagus | + | + | + | + | + | + | M | + |
| Gallbladder | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + |
| Leiomyosarcoma, Metastatic, Uterus | | | | | | | | | | | | | X | | | | | | | | | | | | | | | |
| Lymphoma Malignant | X | | | | | | | | |
| Intestine Large, Cecum | + | + | + | + | + | A | M | + |
| Intestine Large, Colon | + | + | + | + | + | A | M | + |
| Sarcoma, Metastatic, Uterus | | | | | | X | |
| Intestine Large, Rectum | + | + | + | M | + | A | M | + |
| Histiocytic Sarcoma | | | | | | | | | | | | | | | | X | | | | | | | | | | | | |
| Leiomyosarcoma, Metastatic, Uterus | | | | | | | | | | | | X | | | | | | | | | | | | | | | | |
| Sarcoma, Metastatic, Uterus | | | | | | X | |
| Intestine Small, Duodenum | + | + | + | + | M | A | M | + |
| Intestine Small, Ileum | + | + | + | + | + | A | M | + |
| Lymphoma Malignant | | | | | | | | | | | | | | | | X | | | | | | | | | | | | |
| Intestine Small, Jejunum | + | + | + | + | + | A | M | + |
| Leiomyosarcoma, Metastatic, Uterus | | | | | | | | | | | | X | | | | | | | | | | | | | | | | |
| Liver | + | + | + | + | + | + | A | + |
| Hemangiosarcoma |
| Hepatocellular Adenoma | | | | | | | | | | X | | | | | | | X | | X | | | | | | | X | | X |
| Hepatocellular Adenoma, Multiple | | | | | | | | | | | | | | X | | | | X | | | | | X | | | X | | X |
| Hepatocellular Carcinoma | X | | | |

* ..Total animals with tissue examined microscopically; Total animals with tumor

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

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Experiment Number: 00602-05

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Species/Strain: Mouse/B6C3F1/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/18/2014

Time Report Requested: 00:19:08

First Dose M/F: NA / NA

Lab: NCTR

| B6C3F1/NCTR Mouse Female
0% ETH/ 30PPMURE | | DAY ON TEST | |
|--|--|-------------|--|
| | | 0 | 0 | | | | |
| | | 4 | 4 | 5 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 7 | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | | | |
| | | 2 | 3 | 2 | 2 | 2 | 5 | 4 | 1 | 7 | 9 | 4 | 3 | 6 | 2 | 1 | 7 | 1 | 6 | 6 | 6 | 1 | 6 | 0 | 6 | 4 | 6 | 6 | 6 | 6 | 6 | | |
| ANIMAL ID | | 4 | 8 | 2 | 1 | 2 | 4 | 9 | 6 | 5 | 6 | 9 | 5 | 9 | 5 | 2 | 8 | 9 | 6 | 6 | 6 | 6 | 0 | 3 | 1 | 5 | 6 | 5 | 5 | 5 | 5 | | |
| | | 0 | 0 | | |
| | | 0 | 0 | | |
| | | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | |
| | | 0 | 1 | 5 | 8 | 8 | 0 | 2 | 7 | 0 | 5 | 8 | 0 | 1 | 3 | 3 | 7 | 9 | 4 | 4 | 4 | 6 | 6 | 7 | 0 | 2 | 5 | 5 | 2 | 2 | 9 | 9 | |
| | | 1 | 2 | 8 | 2 | 4 | 2 | 3 | 1 | 2 | 3 | 0 | 6 | 7 | 2 | 5 | 9 | 6 | 6 | 7 | 8 | 1 | 8 | 1 | 6 | 5 | 3 | 4 | 1 | 2 | 0 | 1 | |
| Histiocytic Sarcoma | | | | | | | | | | | | | | | | X | | | | | | | | | | | | | | | | | |
| Leiomyosarcoma, Metastatic, Uterus | | | | | | | | | | | | | | | | X | | | | | | | | | | | | | | | | | |
| Lymphoma Malignant | | | | | | | | | | | | | | | | X | | | | X | | | | X | | | | X | | | | | |
| Mesentery | | | | | | | | | | | | | | | | | | | | + | | | | + | | | | + | | | | | |
| Lymphoma Malignant | | | X | | | | | |
| Pancreas | | + | + | + | + | + | + | M | + | | |
| Leiomyosarcoma, Metastatic, Uterus | | | | | | | | | | | | | | | | X | | | | | | | | | | | | | | | | | |
| Lymphoma Malignant | | | | | | | | | | | | | | | | X | | | | X | | | | | | | | | | | | | |
| Salivary Glands | | + | + | | |
| Lymphoma Malignant | | | | | | | | | | | | | | | | X | | | | X | | | | | | | | | | | | | |
| Stomach, Forestomach | | + | + | + | + | + | A | M | + | | |
| Mast Cell Tumor Malignant | | X | |
| Squamous Cell Papilloma | | | | | | | | | | | | | | | | X | | | | | | | | | | | | | | | | | |
| Stomach, Glandular | | + | + | + | + | + | A | M | + | | |
| Leiomyosarcoma, Metastatic, Uterus | | | | | | | | | | | | | | | | X | | | | | | | | | | | | | | | | | |
| Tongue | | + | + | | |
| Cardiovascular System | | | |
| Blood Vessel | | + | + | | |
| Heart | | + | + | | |
| Hemangioma | | | | | | | | | | | | | | | | X | | | | | | | | | | | | | | | | | |
| Hemangiosarcoma | | | | | | | | | | | | | | | | | | | | X | | | | | | | | | | | | | |
| Histiocytic Sarcoma | | | | | | | | | | | | | | | | X | | | | | | | | | | | | | | | | | |

* ..Total animals with tissue examined microscopically; Total animals with tumor

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

BLANK ..Not examined microscopically

Experiment Number: 00602-05

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Mouse/B6C3F1/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/18/2014

Time Report Requested: 00:19:09

First Dose M/F: NA / NA

Lab: NCTR

| | |
|--|-------------|
| B6C3F1/NCTR Mouse Female
0% ETH/ 30PPMURE | DAY ON TEST | 0 | |
| | | 4 | 4 | 5 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 7 | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| | | 2 | 3 | 2 | 2 | 2 | 5 | 4 | 1 | 7 | 9 | 4 | 3 | 6 | 2 | 1 | 7 | 1 | 6 | 6 | 6 | 1 | 6 | 0 | 6 | 4 | 6 | 6 | 6 | 6 | 6 | 6 |
| | | 4 | 8 | 2 | 1 | 2 | 4 | 9 | 6 | 5 | 6 | 9 | 5 | 9 | 5 | 2 | 8 | 9 | 6 | 6 | 6 | 6 | 0 | 3 | 1 | 5 | 6 | 5 | 5 | 5 | 5 | 5 |
| | ANIMAL ID | 0 | |
| | | 0 |
| | | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | 5 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 7 | 7 | 7 | 7 |
| | | 0 | 1 | 5 | 8 | 8 | 0 | 2 | 7 | 0 | 5 | 8 | 0 | 1 | 3 | 3 | 7 | 9 | 4 | 4 | 4 | 6 | 6 | 7 | 0 | 2 | 5 | 5 | 2 | 2 | 9 | 9 |
| | | 1 | 2 | 8 | 2 | 4 | 2 | 3 | 1 | 2 | 3 | 0 | 6 | 7 | 2 | 5 | 9 | 6 | 6 | 7 | 8 | 1 | 8 | 1 | 6 | 5 | 3 | 4 | 1 | 2 | 0 | 1 |

Endocrine System

| |
|-------------------------|
| Adrenal Gland, Cortex | + | + | + | + | + | + | M | + | |
| Histiocytic Sarcoma | | | | | | | | | | | | | | | | X | | | | | | | | | | | | | | | |
| Lymphoma Malignant | | | | | | | | | | | | | X | | X | | | | | | | | | | | | | | | | |
| Subcapsular, Adenoma | X | | |
| Adrenal Gland, Medulla | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | M |
| Islets, Pancreatic | + | + | + | + | + | + | M | + |
| Lymphoma Malignant | | | | | | | | | | | | | X | | X | | | | | X | | | | | | | | | | | |
| Parathyroid Gland | + | + | + | + | + | + | M | M | + | + | + | + | + | + | + | + | M | + | + | + | M | + | M | M | M | M | + | M | M | M | M |
| Lymphoma Malignant | | | | | | | | | | | | | | X | | | | | | | | | | | | | | | | | |
| Pituitary Gland | + | + | + | + | + | M | M | + | + | + | + | M | + | + | M | + | + | + | + | + | + | + | + | + | + | M | + | + | M | + | + |
| Pars Distalis, Adenoma | | | | | | | | | | | | X | | | | | | | | X | | | | | | | X | | | | |
| Thyroid Gland | + | + | + | + | + | + | M | + |
| Follicular Cel, Adenoma | | | | | | | | | | | | | | | | | | | X | | | | | | | | | | | | |

General Body System

| | |
|--------------------|---|
| Tissue NOS | + |
| Abdominal, Sarcoma | X |

Genital System

| |
|------------------|
| Clitoral Gland | + | M | + | + | + | + | + | M | M | + |
| Ovary | + | + | + | + | + | + | M | + | M | + |
| Adenoma, Tubular | | X |

* ..Total animals with tissue examined microscopically; Total animals with tumor

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

BLANK ..Not examined microscopically

Experiment Number: 00602-05

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First Dose M/F: NA / NA

Lab: NCTR

| B6C3F1/NCTR Mouse Female
0% ETH/ 30PPMURE | DAY ON TEST | |
|--|-------------|
| | 0 | 0 |
| | 4 | 4 | 5 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 7 | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| | 2 | 3 | 2 | 2 | 2 | 5 | 4 | 1 | 7 | 9 | 4 | 3 | 6 | 2 | 1 | 7 | 1 | 6 | 6 | 6 | 1 | 6 | 0 | 6 | 4 | 6 | 6 | 6 |
| ANIMAL ID | 4 | 8 | 2 | 1 | 2 | 4 | 9 | 6 | 5 | 6 | 9 | 5 | 9 | 5 | 2 | 8 | 9 | 6 | 6 | 6 | 0 | 3 | 1 | 5 | 6 | 5 | 5 | 5 |
| | 0 | 0 |
| | 0 | 0 |
| | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | 5 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 7 |
| | 0 | 1 | 5 | 8 | 8 | 0 | 2 | 7 | 0 | 5 | 8 | 0 | 1 | 3 | 3 | 7 | 9 | 4 | 4 | 4 | 6 | 6 | 7 | 0 | 2 | 5 | 5 | 2 |
| | 1 | 2 | 8 | 2 | 4 | 2 | 3 | 1 | 2 | 3 | 0 | 6 | 7 | 2 | 5 | 9 | 6 | 7 | 8 | 1 | 8 | 1 | 6 | 5 | 3 | 4 | 1 | 2 |
| Cystadenoma | |
| Granulosa Cell Tumor Benign | | | | | | | | | | | | | | | | | | X | | | | | | | | | | |
| Histiocytic Sarcoma | | | | | | | | | | | | | | | | X | | | | | | X | | | | | | |
| Lymphoma Malignant | | | | | | | | | | | | | X | | | | | | | X | | | X | | | | | |
| Uterus | + | + |
| Hemangioma | | | | | | | | | | | | | | | | | | | | X | | | | | | | | |
| Histiocytic Sarcoma | | | | | | | | | | | | | | | | X | | | | | | X | | | | | | |
| Leiomyosarcoma | | | | | | | | | | | | X | | | | | | | | | | | | | | | | |
| Polyp Stromal | | X | |
| Sarcoma | | | | | | X | |
| Sarcoma Stromal | | | | X | |
| Vagina | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + |
| Leiomyosarcoma, Metastatic, Uterus | | | | | | | | | | | | X | | | | | | | | | | | | | | | | |
| Sarcoma, Metastatic, Uterus | | | | | X | |
| Hematopoietic System | |
| Bone Marrow | + | + | + | + | + | A | A | + |
| Histiocytic Sarcoma | | X | | | | | |
| Lymphoma Malignant | | | | | | | | | | | | | | | | X | | | | | | | | | | | | |
| Lymph Node | | | | | + | | | + | | + | | + | + | | | | + | | + | | | + | + | | | | | |
| Iliac, Histiocytic Sarcoma | | X | | | | | |
| Inguinal, Histiocytic Sarcoma | | | | | | | | | | | | | | | | X | | | | | | | | | | | | |
| Lumbar, Histiocytic Sarcoma | | X | | | | | |

* ..Total animals with tissue examined microscopically; Total animals with tumor

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

BLANK ..Not examined microscopically

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Lab: NCTR

| B6C3F1/NCTR Mouse Female
0% ETH/ 30PPMURE | DAY ON TEST | |
|--|-------------|
| | 0 | 0 |
| | 4 | 4 | 5 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 7 | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| | 2 | 3 | 2 | 2 | 2 | 5 | 4 | 1 | 7 | 9 | 4 | 3 | 6 | 2 | 1 | 7 | 1 | 6 | 6 | 6 | 1 | 6 | 0 | 6 | 4 | 6 | 6 | 6 |
| ANIMAL ID | 4 | 8 | 2 | 1 | 2 | 4 | 9 | 6 | 5 | 6 | 9 | 5 | 9 | 5 | 2 | 8 | 9 | 6 | 6 | 6 | 0 | 3 | 1 | 5 | 6 | 5 | 5 | 5 |
| | 0 | 0 |
| | 0 | 0 |
| | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | 5 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 7 | 7 |
| | 0 | 1 | 5 | 8 | 8 | 0 | 2 | 7 | 0 | 5 | 8 | 0 | 1 | 3 | 3 | 7 | 9 | 4 | 4 | 4 | 6 | 6 | 7 | 0 | 2 | 5 | 2 | 9 |
| | 1 | 2 | 8 | 2 | 4 | 2 | 3 | 1 | 2 | 3 | 0 | 6 | 7 | 2 | 5 | 9 | 6 | 6 | 7 | 8 | 1 | 8 | 1 | 6 | 5 | 3 | 4 | 1 |
| Lumbar, Lymphoma Malignant | | | | | | | | | X | | | | | X | | | | | | | | | X | | | | | |
| Renal, Leiomyosarcoma, Metastatic, Uterus | | | | | | | | | | | | | | X | | | | | | | | | | | | | | |
| Renal, Lymphoma Malignant | | | | | | | | | X | | | | | X | | | | | | | | | | | | | | |
| Thoracic, Lymphoma Malignant | | X | | | | | |
| Lymph Node, Mandibular | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + |
| Histiocytic Sarcoma | | X | | | | | |
| Lymphoma Malignant | | | | | | X | | X | | | | | X | | X | | | | | X | | | | | | | | |
| Lymph Node, Mesenteric | M | + | + | M | + | + | M | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + |
| Histiocytic Sarcoma | | | | | | | | | | | | | | | | X | | | | | | X | | | | | | |
| Leiomyosarcoma, Metastatic, Uterus | | | | | | | | | | | | X | | | | | | | | | | | | | | | | |
| Lymphoma Malignant | | | | | | X | | X | | | | | X | | X | | | X | | X | | | X | | | | | |
| Spleen | + | + | + | + | + | + | M | + |
| Hemangiosarcoma | | | | | | | | | | | | | | | | | | | X | | | | | | | | | |
| Histiocytic Sarcoma | | | | | | | | | | | | | | | | X | | | | | | X | | | | | | |
| Leiomyosarcoma, Metastatic, Uterus | | | | | | | | | | | | X | | | | | | | | | | | | | | | | |
| Lymphoma Malignant | | | | | | X | | X | | | | | X | | X | | | X | | X | | | X | | | | | |
| Thymus | M | M | + | + | M | + | + | + | M | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | M | + | M | + |
| Histiocytic Sarcoma | | | | | | | | | | | | | | | | X | | | | | | X | | | | | | |
| Leiomyosarcoma, Metastatic, Uterus | | | | | | | | | | | | X | | | | | | | | | | | | | | | | |
| Lymphoma Malignant | | | | | | X | X | X | | | | | X | | X | | | | X | | | X | | | | | | |
| Integumentary System | |
| Mammary Gland | + | + | + | M | + | A | + |

* ..Total animals with tissue examined microscopically; Total animals with tumor

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

BLANK ..Not examined microscopically

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| B6C3F1/NCTR Mouse Female
0% ETH/ 30PPMURE | DAY ON TEST | |
|--|-------------|
| | 0 | 0 |
| | 4 | 4 | 5 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 7 | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| | 2 | 3 | 2 | 2 | 2 | 5 | 4 | 1 | 7 | 9 | 4 | 3 | 6 | 2 | 1 | 7 | 1 | 6 | 6 | 6 | 1 | 6 | 0 | 6 | 4 | 6 | 6 | 6 |
| ANIMAL ID | 4 | 8 | 2 | 1 | 2 | 4 | 9 | 6 | 5 | 6 | 9 | 5 | 6 | 5 | 2 | 8 | 9 | 6 | 6 | 6 | 0 | 3 | 1 | 5 | 6 | 5 | 5 | 5 |
| | 0 | 0 |
| | 0 | 0 |
| | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | 5 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 7 |
| | 0 | 1 | 5 | 8 | 8 | 0 | 2 | 7 | 0 | 5 | 8 | 0 | 1 | 3 | 3 | 7 | 9 | 4 | 4 | 4 | 6 | 6 | 7 | 0 | 2 | 5 | 5 | 2 |
| | 1 | 2 | 8 | 2 | 4 | 2 | 3 | 1 | 2 | 3 | 0 | 6 | 7 | 2 | 5 | 9 | 6 | 6 | 7 | 8 | 1 | 8 | 1 | 6 | 5 | 3 | 4 | 1 |
| Adenoacanthoma | | | | | | | | | | | X | | | | | | | | | | | | | | | | | |
| Adenocarcinoma | | | | | | | | | | | | X | | | | | | | | X | | | X | | | | | |
| Adenoma | | | | | | | | | | | | | | X | | | | | | X | | | | | | | | |
| Basosquamous Tumor Malignant | | | | X | |
| Skin | + | + | + | + | + | A | M | + |
| Basal Cell Carcinoma | | | | | | | | | | | | | | | | | X | | | | | | | | | | | |
| Basosquamous Tumor Malignant | | X | | | | |
| Musculoskeletal System | |
| Bone | + | + |
| Skeletal Muscle | + | + |
| Hemangiosarcoma | |
| Nervous System | |
| Brain, Cerebellum | + | + |
| Brain, Cerebrum | + | + |
| Peripheral Nerve | + | + |
| Spinal Cord, Thoracic | + | + |
| Respiratory System | |
| Larynx | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + |
| Lung | + | + |
| Alveolar/Bronchiolar Adenoma | | | X | X | | | | | X | X | X | | | | | | X | | | X | | | | | | | X | |
| Alveolar/Bronchiolar Adenoma, Multiple | | | | | | | | | | | | | | | | X | | X | | X | | | | | X | | | |

* ..Total animals with tissue examined microscopically; Total animals with tumor

+ ..Tissue examined microscopically

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I ..Insufficient tissue

M ..Missing tissue

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| B6C3F1/NCTR Mouse Female
0% ETH/ 30PPMURE | DAY ON TEST | |
|---|-------------|
| | 0 | 0 |
| | 4 | 4 | 5 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 7 | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| | 2 | 3 | 2 | 2 | 2 | 5 | 4 | 1 | 7 | 9 | 4 | 3 | 6 | 2 | 1 | 7 | 1 | 6 | 6 | 6 | 1 | 6 | 0 | 6 | 4 | 6 | 6 | 6 |
| ANIMAL ID | 4 | 8 | 2 | 1 | 2 | 4 | 9 | 6 | 5 | 6 | 9 | 5 | 9 | 5 | 2 | 8 | 9 | 6 | 6 | 6 | 0 | 3 | 1 | 5 | 6 | 5 | 5 | 5 |
| | 0 | 0 |
| | 0 | 0 |
| | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | 5 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 7 | 7 |
| | 0 | 1 | 5 | 8 | 8 | 0 | 2 | 7 | 0 | 5 | 8 | 0 | 1 | 3 | 3 | 7 | 9 | 4 | 4 | 4 | 6 | 6 | 7 | 0 | 2 | 5 | 2 | 9 |
| | 1 | 2 | 8 | 2 | 4 | 2 | 3 | 1 | 2 | 3 | | 6 | 7 | 2 | 5 | 9 | 6 | 6 | 8 | 1 | 8 | 1 | 6 | 5 | 3 | 4 | 1 | 2 |
| Alveolar/Bronchiolar Carcinoma | | | | | | | | | | | | | X | X | | | | X | | | | | X | X | | | | |
| Alveolar/Bronchiolar Carcinoma, Multiple | | | | | | | | | | | | | | | X | | | | | | | | | | | | | |
| Basal Cell Carcinoma, Metastatic, Skin | | | | | | | | | | | | | | | | | X | | | | | | | | | | | |
| Basosquamous Tumor Malignant, Metastatic, Mammary Gland | |
| Histiocytic Sarcoma | | | | | | | | | | | | | | | | X | | | | | | | X | | | | | |
| Lymphoma Malignant | | | | | | | | | | | | | X | | X | | | | X | | | | X | | | | | |
| Nose | + | + |
| Trachea | + | + | + | + | + | + | M | + |
| Special Senses System | |
| Eye | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + |
| Harderian Gland | + | + |
| Adenoma | | | | | | | X | | | | | X | | | | X | | | X | | | X | | | | | | X |
| Carcinoma | | | | | | | | | X | | X | | X | | | | | | | | | | | X | X | X | | X |
| Lacrimal Gland | + | + | + | + | + | M | + | + | M | M | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Lymphoma Malignant | | | | | | | | | | | | | X | | X | | | | X | | | | | | | | | |
| Zymbal's Gland | + | + | M | + | + | + | + | + |
| Urinary System | |
| Kidney | + | + |
| Histiocytic Sarcoma | |
| Lymphoma Malignant | | | | | | | | | | | | | X | | | | | | X | | | | | | | | | |
| Urinary Bladder | + | + | + | M | M | A | + |

* ..Total animals with tissue examined microscopically; Total animals with tumor

+ ..Tissue examined microscopically

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I ..Insufficient tissue

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| B6C3F1/NCTR Mouse Female
0% ETH/ 30PPMURE | | DAY ON TEST | |
|--|--|-------------|
| | | 0 | 0 | | |
| | | 4 | 4 | 5 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 6 | 7 | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | |
| | | 2 | 3 | 2 | 2 | 2 | 5 | 4 | 1 | 7 | 9 | 4 | 3 | 6 | 2 | 1 | 7 | 1 | 6 | 6 | 6 | 1 | 6 | 0 | 6 | 4 | 6 | 6 | 6 | 6 | 6 | |
| | | 4 | 8 | 2 | 1 | 2 | 4 | 9 | 6 | 5 | 6 | 9 | 5 | 9 | 5 | 2 | 8 | 9 | 6 | 6 | 6 | 6 | 0 | 3 | 1 | 5 | 6 | 5 | 5 | 5 | 5 | 5 |
| ANIMAL ID | | 0 | 0 | |
| | | 0 | 0 | |
| | | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | |
| | | 0 | 1 | 5 | 8 | 8 | 0 | 2 | 7 | 0 | 5 | 8 | 0 | 1 | 3 | 3 | 7 | 9 | 4 | 4 | 4 | 6 | 6 | 7 | 0 | 2 | 5 | 5 | 2 | 2 | 9 | 9 |
| | | 1 | 2 | 8 | 2 | 4 | 2 | 3 | 1 | 2 | 3 | 0 | 6 | 7 | 2 | 5 | 9 | 6 | 6 | 7 | 8 | 1 | 8 | 1 | 6 | 5 | 3 | 4 | 1 | 2 | 0 | 1 |
| Leiomyosarcoma, Metastatic, Uterus | | X |
| Lymphoma Malignant | | X |
| SYSTEMIC LESIONS | | |
| Multiple Organ | | + | + | | |
| Histiocytic Sarcoma | | | | | | | | | | | | | | | | X | | | | | | X | | | | | | | | | | |
| Lymphoma Malignant | | | | | | | X | X | X | | | | X | | X | | | X | X | | | X | | | | | | | | | | |

* ..Total animals with tissue examined microscopically; Total animals with tumor

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First Dose M/F: NA / NA

Lab: NCTR

| B6C3F1/NCTR Mouse Female
0% ETH/ 30PPMURE | DAY ON TEST | | | | | | | | | | | | | | | |
|--|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| ANIMAL ID | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 0 | 0 | 1 | 1 | 1 | 2 | 2 |
| | 5 | 5 | 2 | 2 | 2 | 2 | 7 | 7 | 7 | 7 | 8 | 3 | 3 | 3 | 0 | 0 |
| | 8 | 9 | 1 | 2 | 3 | 4 | 7 | 8 | 9 | 9 | 0 | 5 | 6 | 7 | 0 | 1 |
| | *TOTALS | | | | | | | | | | | | | | | |

Alimentary System

| | | | | | | | | | | | | | | | | | |
|------------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|
| Esophagus | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 47 |
| Gallbladder | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 46 |
| Leiomyosarcoma, Metastatic, Uterus | | | | | | | | | | | | | | | | | 1 |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | 1 |
| Intestine Large, Cecum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 46 |
| Intestine Large, Colon | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 46 |
| Sarcoma, Metastatic, Uterus | | | | | | | | | | | | | | | | | 1 |
| Intestine Large, Rectum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 45 |
| Histiocytic Sarcoma | | | | | | | | | | | | | | | | | 1 |
| Leiomyosarcoma, Metastatic, Uterus | | | | | | | | | | | | | | | | | 1 |
| Sarcoma, Metastatic, Uterus | | | | | | | | | | | | | | | | | 1 |
| Intestine Small, Duodenum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 44 |
| Intestine Small, Ileum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 46 |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | 1 |
| Intestine Small, Jejunum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 46 |
| Leiomyosarcoma, Metastatic, Uterus | | | | | | | | | | | | | | | | | 1 |
| Liver | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 47 |
| Hemangiosarcoma | | X | | | | | | | | | | | | | | | 1 |
| Hepatocellular Adenoma | X | X | | X | | | | | X | | | | X | | | | 10 |
| Hepatocellular Adenoma, Multiple | | | X | | | X | | | | | X | | | | | | 9 |
| Hepatocellular Carcinoma | | | | | | | | | X | | | | | | | | 2 |

* ..Total animals with tissue examined microscopically; Total animals with tumor

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

BLANK ..Not examined microscopically

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

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Test Compound: Urethane + ethanol (combination)
 CAS Number: URETHCOMB

Date Report Requested: 10/18/2014
 Time Report Requested: 00:19:11
 First Dose M/F: NA / NA
 Lab: NCTR

| B6C3F1/NCTR Mouse Female
0% ETH/ 30PPMURE | DAY ON TEST | | | | | | | | | | | | | | | | | ANIMAL ID | |
|--|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------|---------|
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | |
| | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | | |
| | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | | |
| | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | | |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | |
| | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 0 | 0 | 1 | 1 | 1 | 2 | 2 | 2 | | |
| | 5 | 5 | 2 | 2 | 2 | 2 | 2 | 7 | 7 | 7 | 7 | 8 | 3 | 3 | 3 | 0 | 0 | | |
| | 8 | 9 | 1 | 2 | 3 | 4 | 7 | 8 | 9 | 0 | 5 | 6 | 7 | 0 | 1 | 2 | | | |
| | | | | | | | | | | | | | | | | | | | *TOTALS |
| Histiocytic Sarcoma | | | | | | | | | | | | | | | | | | | 3 |
| Leiomyosarcoma, Metastatic, Uterus | | | | | | | | | | | | | | | | | | | 1 |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | | | 5 |
| Mesentery | | | | | | | | | | | | | | | | | | | 7 |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | | | 1 |
| Pancreas | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | 47 |
| Leiomyosarcoma, Metastatic, Uterus | | | | | | | | | | | | | | | | | | | 1 |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | | | 3 |
| Salivary Glands | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | 48 |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | | | 3 |
| Stomach, Forestomach | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | 46 |
| Mast Cell Tumor Malignant | | | | | | | | | | | | | | | | | | | 1 |
| Squamous Cell Papilloma | | | | | | | | | | | | | | | | | | | 3 |
| Stomach, Glandular | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | 46 |
| Leiomyosarcoma, Metastatic, Uterus | | | | | | | | | | | | | | | | | | | 1 |
| Tongue | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | 48 |
| Cardiovascular System | | | | | | | | | | | | | | | | | | | |
| Blood Vessel | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | 48 |
| Heart | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | 48 |
| Hemangioma | | | | | | | | | | | | | | | | | | | 1 |
| Hemangiosarcoma | | | | | | | | | | | | | | | | | | | 1 |
| Histiocytic Sarcoma | | | | | | | | | | | | | | | | | | | 2 |

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

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

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

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Test Compound: Urethane + ethanol (combination)
 CAS Number: URETHCOMB

Date Report Requested: 10/18/2014
 Time Report Requested: 00:19:11
 First Dose M/F: NA / NA
 Lab: NCTR

| B6C3F1/NCTR Mouse Female
0% ETH/ 30PPMURE | DAY ON TEST | | | | | | | | | | | | | | | | |
|--|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ANIMAL ID | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 0 | 0 | 1 | 1 | 1 | 2 | 2 | 2 |
| | 5 | 5 | 2 | 2 | 2 | 2 | 7 | 7 | 7 | 7 | 8 | 3 | 3 | 3 | 0 | 0 | 0 |
| | 8 | 9 | 1 | 2 | 3 | 4 | 7 | 8 | 9 | 9 | 0 | 5 | 6 | 7 | 0 | 1 | 2 |
| *TOTALS | | | | | | | | | | | | | | | | | |

Endocrine System

| | | | | | | | | | | | | | | | | | | |
|-------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|
| Adrenal Gland, Cortex | M | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | 45 |
| Histiocytic Sarcoma | | | | | | | | | | | | | | | | | | 1 |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | | 2 |
| Subcapsular, Adenoma | | | | | | | | | | | | | | | | | | 1 |
| Adrenal Gland, Medulla | M | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | 43 |
| Islets, Pancreatic | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 47 |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | | 3 |
| Parathyroid Gland | M | + | M | + | + | + | M | + | + | + | M | M | + | + | + | + | + | 31 |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | | 1 |
| Pituitary Gland | + | + | M | + | + | + | + | + | + | + | + | + | M | + | + | + | + | 40 |
| Pars Distalis, Adenoma | | | | | | X | | X | | | | | | | | | | 5 |
| Thyroid Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 47 |
| Follicular Cel, Adenoma | | | | | | | | | | | | | | | | | | 1 |

General Body System

| | | | | | | | | | | | | | | | | | | |
|--------------------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|---|
| Tissue NOS | | | | | | | | | | | | | | | | | | 1 |
| Abdominal, Sarcoma | | | | | | | | | | | | | | | | | | 1 |

Genital System

| | | | | | | | | | | | | | | | | | | |
|------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|
| Clitoral Gland | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | M | 43 |
| Ovary | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 46 |
| Adenoma, Tubular | | | X | | | | | | | | | | | | | | | 2 |

* ..Total animals with tissue examined microscopically; Total animals with tumor

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

BLANK ..Not examined microscopically

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

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Test Compound: Urethane + ethanol (combination)
 CAS Number: URETHCOMB

Date Report Requested: 10/18/2014
 Time Report Requested: 00:19:11
 First Dose M/F: NA / NA
 Lab: NCTR

| DAY ON TEST | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|---|--|---------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| B6C3F1/NCTR Mouse Female | | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| 0% ETH/ 30PPMURE | | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| ANIMAL ID | | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 0 | 0 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 |
| | | 5 | 5 | 2 | 2 | 2 | 2 | 7 | 7 | 7 | 7 | 8 | 3 | 3 | 3 | 0 | 0 | 0 | 0 |
| | | 8 | 9 | 1 | 2 | 3 | 4 | 7 | 8 | 9 | 9 | 0 | 5 | 6 | 7 | 0 | 1 | 2 | 2 |
| | | *TOTALS | | | | | | | | | | | | | | | | | |
| Lumbar, Lymphoma Malignant | | | | | | | | | | | | | | | | | | | |
| Renal, Leiomyosarcoma, Metastatic, Uterus | | | | | | | | | | | | | | | | | | | |
| Renal, Lymphoma Malignant | | | | | | | | | | | | | | | | | | | |
| Thoracic, Lymphoma Malignant | | | | | | | | | | | | | | | | | | | |
| Lymph Node, Mandibular | | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + |
| Histiocytic Sarcoma | | | | | | | | | | | | | | | | | | | |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | | | |
| Lymph Node, Mesenteric | | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Histiocytic Sarcoma | | | | | | | | | | | | | | | | | | | |
| Leiomyosarcoma, Metastatic, Uterus | | | | | | | | | | | | | | | | | | | |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | | | |
| Spleen | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Hemangiosarcoma | | | | | | | | | | | | | | | | | | | |
| Histiocytic Sarcoma | | | | | | | | | | | | | | | | | | | |
| Leiomyosarcoma, Metastatic, Uterus | | | | | | | | | | | | | | | | | | | |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | | | |
| Thymus | | + | + | M | + | M | M | + | + | + | M | M | + | M | + | + | + | + | M |
| Histiocytic Sarcoma | | | | | | | | | | | | | | | | | | | |
| Leiomyosarcoma, Metastatic, Uterus | | | | | | | | | | | | | | | | | | | |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | | | |
| Integumentary System | | | | | | | | | | | | | | | | | | | |
| Mammary Gland | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |

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

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

Experiment Number: 00602-05

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Mouse/B6C3F1/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/18/2014

Time Report Requested: 00:19:11

First Dose M/F: NA / NA

Lab: NCTR

| B6C3F1/NCTR Mouse Female
0% ETH/ 30PPMURE | DAY ON TEST | | | | | | | | | | | | | | | | | ANIMAL ID | | |
|---|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------|--|----|
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | |
| | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | | | |
| | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | | | |
| | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | | | |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | | |
| | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 0 | 0 | 1 | 1 | 1 | 2 | 2 | 2 | | | |
| | 5 | 5 | 2 | 2 | 2 | 2 | 7 | 7 | 7 | 8 | 3 | 3 | 3 | 0 | 0 | 0 | 0 | | | |
| | 8 | 9 | 1 | 2 | 3 | 4 | 7 | 8 | 9 | 0 | 5 | 6 | 7 | 0 | 1 | 2 | | | | |
| | | | | | | | | | | | | | | | | | | | | |
| Alveolar/Bronchiolar Carcinoma | | | | | X | X | X | | X | | | | | | X | | | | | 10 |
| Alveolar/Bronchiolar Carcinoma, Multiple | | | | | | | | | | X | X | | | | | | | | | 3 |
| Basal Cell Carcinoma, Metastatic, Skin | | | | | | | | | | | | | | | | | | | | 1 |
| Basosquamous Tumor Malignant, Metastatic, Mammary Gland | | | | | | | | | | | | | | | | | | | | 1 |
| Histiocytic Sarcoma | | | | | | | | | X | | | | | | | | | | | 3 |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | | | | 4 |
| Nose | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | 48 |
| Trachea | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | 47 |
| Special Senses System | | | | | | | | | | | | | | | | | | | | |
| Eye | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | 46 |
| Harderian Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | 48 |
| Adenoma | | | | | | | | X | | | X | | | | | | | | | 8 |
| Carcinoma | | X | X | | | | | | | | | | | | X | X | | | | 11 |
| Lacrimal Gland | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | | | 43 |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | | | | 3 |
| Zymbal's Gland | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | | | 46 |
| Urinary System | | | | | | | | | | | | | | | | | | | | |
| Kidney | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | 48 |
| Histiocytic Sarcoma | | | | | | | | X | | | | | | | | | | | | 2 |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | | | | 2 |
| Urinary Bladder | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | 45 |

* ..Total animals with tissue examined microscopically; Total animals with tumor

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

BLANK ..Not examined microscopically

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

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Test Compound: Urethane + ethanol (combination)
 CAS Number: URETHCOMB

Date Report Requested: 10/18/2014
 Time Report Requested: 00:19:12
 First Dose M/F: NA / NA
 Lab: NCTR

| | | DAY ON TEST | | | | | | | | | | | | | | | | | | | | |
|--|-----------|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|--|
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | |
| | | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | | |
| | | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | | |
| | | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | | |
| B6C3F1/NCTR Mouse Female
0% ETH/ 30PPMURE | ANIMAL ID | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | |
| | | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 0 | 0 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | | |
| | | 5 | 5 | 2 | 2 | 2 | 2 | 7 | 7 | 7 | 7 | 8 | 3 | 3 | 3 | 3 | 0 | 0 | 0 | 0 | | |
| | | 8 | 9 | 1 | 2 | 3 | 4 | 7 | 8 | 9 | 9 | 0 | 5 | 6 | 7 | 0 | 1 | 2 | 2 | 2 | | |
| *TOTALS | | | | | | | | | | | | | | | | | | | | | | |
| Leiomyosarcoma, Metastatic, Uterus | | | | | | | | | | | | | | | | | | | | | 1 | |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | | | | | 1 | |
| SYSTEMIC LESIONS | | | | | | | | | | | | | | | | | | | | | | |
| Multiple Organ | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 | |
| Histiocytic Sarcoma | | | | | | | | | | | | | | | | | | | | | 3 | |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | | | | | 8 | |

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

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

Experiment Number: 00602-05

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Mouse/B6C3F1/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/18/2014

Time Report Requested: 00:19:12

First Dose M/F: NA / NA

Lab: NCTR

| B6C3F1/NCTR Mouse Female
0% ETH/ 90PPMURE | DAY ON TEST | |
|--|-------------|
| | 0 | 0 |
| | 1 | 3 | 4 | 4 | 4 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 6 | 6 | 5 | 5 | 5 | 6 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 7 |
| | 9 | 9 | 3 | 2 | 6 | 5 | 2 | 4 | 7 | 7 | 2 | 9 | 1 | 0 | 8 | 9 | 7 | 4 | 9 | 1 | 4 | 5 | 8 | 9 | 7 | 2 | 3 | 6 |
| ANIMAL ID | 3 | 1 | 6 | 7 | 6 | 1 | 3 | 8 | 3 | 6 | 2 | 2 | 8 | 5 | 4 | 3 | 8 | 2 | 0 | 8 | 3 | 0 | 3 | 6 | 8 | 0 | 5 | 2 |
| | 0 | 0 |
| | 0 | 0 |
| | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 4 |
| | 6 | 0 | 1 | 3 | 4 | 6 | 6 | 8 | 8 | 9 | 1 | 3 | 3 | 4 | 4 | 5 | 5 | 6 | 7 | 0 | 1 | 1 | 4 | 6 | 7 | 8 | 0 | 1 |
| | 6 | 9 | 8 | 3 | 9 | 4 | 5 | 0 | 9 | 0 | 9 | 5 | 7 | 0 | 2 | 7 | 3 | 5 | 1 | 8 | 7 | 1 | 2 | 1 | 1 | 8 | 1 | 3 |

Alimentary System

| | |
|---|---|
| Esophagus | + |
| Gallbladder | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | M | + | + | M |
| Sarcoma, Metastatic, Skin |
| Intestine Large, Cecum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Large, Colon | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + |
| Sarcoma, Metastatic, Skin |
| Sarcoma, Metastatic, Uncertain Primary Site | | X |
| Intestine Large, Rectum | + | M | + | + |
| Histiocytic Sarcoma |
| Lymphoma Malignant | | | | X | |
| Intestine Small, Duodenum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Small, Ileum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + |
| Histiocytic Sarcoma |
| Intestine Small, Jejunum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + |
| Liver | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Hemangiosarcoma | | | | | | X | |
| Hepatocellular Adenoma |
| Hepatocellular Adenoma, Multiple | | | | | | | | | | | | | | | | | | | X | | X | X | | X | | | X | X |
| Hepatocellular Carcinoma |
| Histiocytic Sarcoma |
| Lymphoma Malignant | X | | X | | X | | X | | |

* ..Total animals with tissue examined microscopically; Total animals with tumor

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

BLANK ..Not examined microscopically

Experiment Number: 00602-05

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Mouse/B6C3F1/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/18/2014

Time Report Requested: 00:19:13

First Dose M/F: NA / NA

Lab: NCTR

| B6C3F1/NCTR Mouse Female
0% ETH/ 90PPMURE | DAY ON TEST | |
|--|-------------|
| | 0 | 0 |
| | 1 | 3 | 4 | 4 | 4 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 6 | 6 | 5 | 5 | 5 | 6 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 7 |
| ANIMAL ID | 9 | 9 | 3 | 2 | 6 | 5 | 2 | 4 | 7 | 7 | 2 | 9 | 1 | 0 | 8 | 9 | 7 | 4 | 9 | 1 | 4 | 5 | 8 | 9 | 7 | 2 | 3 | 6 |
| | 3 | 1 | 6 | 7 | 6 | 1 | 3 | 8 | 3 | 6 | 2 | 2 | 8 | 5 | 4 | 3 | 8 | 2 | 0 | 8 | 3 | 0 | 3 | 6 | 8 | 0 | 5 | 2 |
| | 6 | 0 |
| Sarcoma, Metastatic, Skin | 6 | 9 | 8 | 3 | 9 | 4 | 5 | 0 | 9 | 0 | 9 | 5 | 7 | 0 | 2 | 7 | 3 | 5 | 1 | 8 | 7 | 1 | 2 | 1 | 8 | 1 | 3 | 7 |
| Mesentery | |
| Sarcoma, Metastatic, Skin | |
| Pancreas | + | + | A | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Histiocytic Sarcoma | |
| Lymphoma Malignant | | | | X | X | |
| Sarcoma, Metastatic, Skin | |
| Sarcoma, Metastatic, Uncertain Primary Site | | X |
| Salivary Glands | + | + |
| Lymphoma Malignant | | | X | X | | | X | | | | | | | | | | | | | | | | | | | X | | |
| Stomach, Forestomach | + | A | + |
| Lymphoma Malignant | |
| Squamous Cell Carcinoma | |
| Squamous Cell Papilloma | | | | | | | | | | | | | X | | | | | | | | | | | | | | | |
| Stomach, Glandular | + | + |
| Lymphoma Malignant | |
| Tongue | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Cardiovascular System | |
| Blood Vessel | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + |
| Lymphoma Malignant | X | | X | |
| Heart | + | + |
| Histiocytic Sarcoma | |

* ..Total animals with tissue examined microscopically; Total animals with tumor

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

BLANK ..Not examined microscopically

Species/Strain: Mouse/B6C3F1/NCTR

CAS Number: URETHCOMB

Lab: NCTR

| B6C3F1/NCTR Mouse Female
0% ETH/ 90PPMURE | | DAY ON TEST | |
|--|--|-------------|
| | | 0 | 0 | | |
| | | 1 | 3 | 4 | 4 | 4 | 5 | 5 | 5 | 5 | 5 | 5 | 6 | 6 | 5 | 5 | 5 | 6 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 7 | | |
| | | 9 | 9 | 3 | 2 | 6 | 5 | 2 | 4 | 7 | 7 | 2 | 9 | 1 | 0 | 8 | 9 | 7 | 4 | 9 | 1 | 4 | 5 | 8 | 9 | 7 | 2 | 3 | 6 | 3 | 7 | 3 |
| | | 3 | 1 | 6 | 7 | 6 | 1 | 3 | 8 | 3 | 6 | 2 | 2 | 8 | 5 | 4 | 3 | 8 | 2 | 0 | 8 | 3 | 0 | 3 | 6 | 8 | 0 | 5 | 2 | 5 | 6 | 9 |
| ANIMAL ID | | 0 | 0 | |
| | | 0 | 0 | |
| | | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 4 |
| | | 6 | 0 | 1 | 3 | 4 | 6 | 6 | 8 | 8 | 9 | 1 | 3 | 3 | 4 | 4 | 5 | 5 | 6 | 7 | 0 | 1 | 1 | 4 | 6 | 7 | 8 | 0 | 1 | 3 | 7 | 5 |
| Lymphoma Malignant | | X | | X | | X | | | | | |
| Endocrine System | | |
| Adrenal Gland | | |
| Adrenal Gland, Cortex | | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Adenoma | | |
| Bilateral, Adenoma | | |
| Hemangiosarcoma | | | X |
| Lymphoma Malignant | | X | | X | |
| Sarcoma, Metastatic, Uncertain Primary Site | | | X |
| Adrenal Gland, Medulla | | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Lymphoma Malignant | | | | X | |
| Islets, Pancreatic | | + | + | A | + | + | + | + | + | + | A | + |
| Histiocytic Sarcoma | | | X | | | | | | | | | | |
| Lymphoma Malignant | | |
| Parathyroid Gland | | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | M |
| Pituitary Gland | | + | + | + | + | M | + | + | M | + | + | + | + | + | M | + | + | + | M | + | M | + | + | + | + | + | + | + | M | + | + | + |
| Lymphoma Malignant | | X | | X | |
| Pars Distalis, Adenoma | | | X | | | | | |
| Thyroid Gland | | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Follicular Cel, Adenoma | | | | | | X | |
| Follicular Cel, Carcinoma | | |

General Body System

Insufficient tissue

BLANK ..Not examined microscopically

Experiment Number: 00602-05

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Mouse/B6C3F1/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/18/2014

Time Report Requested: 00:19:13

First Dose M/F: NA / NA

Lab: NCTR

| B6C3F1/NCTR Mouse Female
0% ETH/ 90PPMURE | | DAY ON TEST | |
|--|--|-------------|
| | | 0 | 0 | | | |
| | | 1 | 3 | 4 | 4 | 4 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 6 | 6 | 5 | 5 | 5 | 6 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 7 | 7 | | |
| | | 9 | 9 | 3 | 2 | 6 | 5 | 2 | 4 | 7 | 7 | 2 | 9 | 1 | 0 | 8 | 9 | 7 | 4 | 9 | 1 | 4 | 5 | 8 | 9 | 7 | 2 | 3 | 6 | 3 | 7 | 3 |
| | | 3 | 1 | 6 | 7 | 6 | 1 | 3 | 8 | 3 | 6 | 2 | 2 | 8 | 5 | 4 | 3 | 8 | 2 | 0 | 8 | 3 | 0 | 3 | 6 | 8 | 0 | 5 | 2 | 5 | 6 | 9 |
| ANIMAL ID | | 0 | 0 | |
| | | 0 | 0 | |
| | | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | |
| | | 6 | 0 | 1 | 3 | 4 | 6 | 6 | 8 | 8 | 9 | 1 | 3 | 3 | 4 | 4 | 4 | 5 | 5 | 6 | 7 | 0 | 1 | 1 | 4 | 6 | 7 | 8 | 0 | 1 | 3 | |
| | | 6 | 9 | 8 | 3 | 9 | 4 | 5 | 0 | 9 | 0 | 9 | 5 | 7 | 0 | 2 | 7 | 3 | 5 | 1 | 8 | 7 | 1 | 2 | 1 | 1 | 8 | 1 | 3 | 7 | 1 | |
| Tissue NOS | | + | | | | | | | | | | | | | | + | | | | | | | | | | | | | | | | |
| Abdominal, Lymphoma Malignant | | |
| Histiocytic Sarcoma | | |
| Lymphoma Malignant | | X |
| Sarcoma | | | | | | | | | | | | | | | | X | | | | | | | | | | | | | | | | |
| Genital System | | |
| Clitoral Gland | | M | + | + | M | + | + | + | + | + | + | + | + | + | M | M | + | + | M | + | + | + | + | + | + | + | M | + | + | + | + | |
| Ovary | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | M | + | M | M | M | + | + | + | + | + | + | + | + | M | |
| Adenoma, Tubular | | |
| Cystadenoma | | | | | | | | | | | | | | | | X | | | | | | | | | | | | | | | | |
| Granulosa Cell Tumor Benign | | | | | | | | | | | | | | | | X | | | | | | | | | | | | | | | | |
| Granulosa Cell Tumor Malignant | | |
| Lymphoma Malignant | | X | | X | X | | X | | | | | | |
| Uterus | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | M | + | + | + | + | + | + | + | + | + | + | | |
| Endometrium, Adenoma | | |
| Hemangiosarcoma | | |
| Histiocytic Sarcoma | | |
| Lymphoma Malignant | | X |
| Polyp Stromal | | | | | | | | | | | | | | | | X | | | | | | | | | | | | | | | | |
| Sarcoma | | |
| Vagina | | + | + | + | + | + | + | + | + | + | + | M | + | + | + | M | + | M | + | M | + | + | + | + | + | + | + | + | + | M | | |
| Lymphoma Malignant | | X | | X | | | | X | | | | | | | | | | | | | | | | | | X | | | | | | |

* ..Total animals with tissue examined microscopically; Total animals with tumor

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

BLANK ..Not examined microscopically

Experiment Number: 00602-05

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Mouse/B6C3F1/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/18/2014

Time Report Requested: 00:19:14

First Dose M/F: NA / NA

Lab: NCTR

| B6C3F1/NCTR Mouse Female
0% ETH/ 90PPMURE | DAY ON TEST | |
|--|-------------|
| | 0 | 0 |
| | 1 | 3 | 4 | 4 | 4 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 6 | 6 | 5 | 5 | 5 | 6 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 7 |
| | 9 | 9 | 3 | 2 | 6 | 5 | 2 | 4 | 7 | 7 | 2 | 9 | 1 | 0 | 8 | 9 | 7 | 4 | 9 | 1 | 4 | 5 | 8 | 9 | 7 | 2 | 3 | 6 |
| ANIMAL ID | 3 | 1 | 6 | 7 | 6 | 1 | 3 | 8 | 3 | 6 | 2 | 2 | 8 | 5 | 4 | 3 | 8 | 2 | 0 | 8 | 3 | 0 | 3 | 6 | 8 | 0 | 5 | 2 |
| | 0 | 0 |
| | 0 | 0 |
| | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 4 |
| | 6 | 0 | 1 | 3 | 4 | 6 | 6 | 8 | 8 | 9 | 1 | 3 | 3 | 4 | 4 | 5 | 5 | 6 | 7 | 0 | 1 | 1 | 4 | 6 | 7 | 8 | 0 | 1 |
| | 6 | 9 | 8 | 3 | 9 | 4 | 5 | 0 | 9 | 5 | 7 | 0 | 2 | 7 | 3 | 5 | 1 | 8 | 7 | 1 | 2 | 1 | 1 | 8 | 1 | 3 | 7 | 5 |
| Squamous Cell Carcinoma | | X |
| Squamous Cell Papilloma | |
| Hematopoietic System | |
| Bone Marrow | + | + |
| Lymphoma Malignant | | | | X | |
| Lymph Node | | | | | + | | | + | | | | | | + | | | | | | | + | | | | | | | + |
| Lumbar, Histiocytic Sarcoma | |
| Lumbar, Lymphoma Malignant | | | | | | | | X | | | | | | X | | | | | | | | | | | | | | |
| Renal, Histiocytic Sarcoma | |
| Renal, Lymphangioma | | X |
| Renal, Lymphoma Malignant | |
| Thoracic, Lymphoma Malignant | | | | | X | |
| Lymph Node, Mandibular | + | M | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | M | + | + | + | + | + | M | + | + | M | + |
| Adenocarcinoma, Metastatic, Uncertain Primary Site | | X |
| Histiocytic Sarcoma | |
| Lymphoma Malignant | X | | X | X | X | | X | | | | | | | | | | | | | | | | | | | X | | |
| Lymph Node, Mesenteric | + | A | + | + | + | + | + | + | + | + | + | M | A | + | M | + | + | + | M | A | M | + | + | M | + | + | + | + |
| Histiocytic Sarcoma | | X |
| Lymphoma Malignant | X | | X | X | X | | X | | | | | | | X | | | | | | | | | | | | X | | |
| Sarcoma, Metastatic, Uncertain Primary Site | | X |
| Spleen | + | + |

* ..Total animals with tissue examined microscopically; Total animals with tumor

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

BLANK ..Not examined microscopically

Experiment Number: 00602-05

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Mouse/B6C3F1/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/18/2014

Time Report Requested: 00:19:14

First Dose M/F: NA / NA

Lab: NCTR

| B6C3F1/NCTR Mouse Female
0% ETH/ 90PPMURE | | DAY ON TEST | |
|--|--|-------------|
| | | 0 | 0 | |
| | | 1 | 3 | 4 | 4 | 4 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 6 | 6 | 5 | 5 | 5 | 6 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 7 | |
| | | 9 | 9 | 3 | 2 | 6 | 5 | 2 | 4 | 7 | 7 | 2 | 9 | 1 | 0 | 8 | 9 | 7 | 4 | 9 | 1 | 4 | 5 | 8 | 9 | 7 | 2 | 3 | 6 | 3 |
| | | 3 | 1 | 6 | 7 | 6 | 1 | 3 | 8 | 3 | 6 | 2 | 2 | 8 | 5 | 4 | 3 | 8 | 2 | 0 | 8 | 3 | 0 | 3 | 6 | 8 | 0 | 5 | 2 | 5 |
| ANIMAL ID | | 0 | 0 | |
| | | 0 | 0 | |
| | | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 4 | |
| | | 6 | 0 | 1 | 3 | 4 | 6 | 6 | 8 | 8 | 9 | 1 | 3 | 3 | 4 | 4 | 5 | 5 | 6 | 7 | 0 | 1 | 1 | 4 | 6 | 7 | 8 | 0 | 1 | 3 |
| | | 6 | 9 | 8 | 3 | 9 | 4 | 5 | 0 | 9 | 0 | 9 | 5 | 7 | 0 | 2 | 7 | 3 | 5 | 1 | 8 | 7 | 1 | 2 | 1 | 1 | 8 | 1 | 3 | |
| Hemangiosarcoma | | X |
| Histiocytic Sarcoma | | X |
| Lymphoma Malignant | | X | | X | X | X | | X | |
| Sarcoma, Metastatic, Skin | | |
| Thymus | | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | M | M | + | M | M | M | + | + | + | M | M | + | |
| Alveolar/Bronchiolar Carcinoma, Metastatic, Lung | | | X | |
| Histiocytic Sarcoma | | |
| Lymphoma Malignant | | X | | X | X | X | | X | |
| Sarcoma, Metastatic, Skin | | |
| Sarcoma, Metastatic, Uncertain Primary Site | | | X | |
| Integumentary System | | |
| Mammary Gland | | + | + | | |
| Adenoacanthoma | | | | | | | | X | | | | | | | X | X | | | | | X | | | | | | X | X | | |
| Adenocarcinoma | | | X | | | | | | | X | | | | | | | | X | | X | | X | | | | | | X | | |
| Adenoma | | |
| Fibroadenoma | | |
| Lymphoma Malignant | | |
| Sarcoma, Metastatic, Skin | | |
| Skin | | + | + | | |
| Basal Cell Carcinoma | | | | | | | X | |
| Hemangiosarcoma | | | | | | | | | | | | | | | X | | | | | | | | | | | | | | | |

* ..Total animals with tissue examined microscopically; Total animals with tumor

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

BLANK ..Not examined microscopically

Experiment Number: 00602-05

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Mouse/B6C3F1/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/18/2014

Time Report Requested: 00:19:14

First Dose M/F: NA / NA

Lab: NCTR

| B6C3F1/NCTR Mouse Female
0% ETH/ 90PPMURE | | DAY ON TEST | | | |
|--|--|-------------|--|--|--|
| | | 0 | 0 | | | | | | |
| | | 1 | 3 | 4 | 4 | 4 | 5 | 5 | 5 | 5 | 5 | 5 | 6 | 6 | 5 | 5 | 5 | 6 | 5 | 6 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 7 | | | | | |
| | | 9 | 9 | 3 | 2 | 6 | 5 | 2 | 4 | 7 | 7 | 2 | 9 | 1 | 0 | 8 | 9 | 7 | 4 | 9 | 1 | 4 | 5 | 8 | 9 | 7 | 2 | 3 | 6 | 3 | | | | | |
| ANIMAL ID | | 3 | 1 | 6 | 7 | 6 | 1 | 3 | 8 | 3 | 6 | 2 | 2 | 8 | 5 | 4 | 3 | 8 | 2 | 0 | 8 | 3 | 0 | 3 | 6 | 8 | 0 | 5 | 2 | 5 | | | | | |
| | | 0 | 0 | | | | | |
| | | 0 | 0 | | | | | |
| | | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | | | | |
| | | 6 | 0 | 1 | 3 | 4 | 6 | 6 | 8 | 8 | 9 | 1 | 3 | 3 | 4 | 4 | 4 | 5 | 5 | 6 | 7 | 0 | 1 | 1 | 4 | 6 | 7 | 8 | 0 | 1 | | | | | |
| | | 6 | 9 | 8 | 3 | 9 | 4 | 5 | 0 | 9 | 0 | 9 | 5 | 7 | 0 | 2 | 7 | 3 | 5 | 1 | 8 | 7 | 1 | 2 | 1 | 1 | 8 | 1 | 3 | 7 | | | | | |
| Lymphoma Malignant | | | | X | X | | | |
| Sarcoma | | | | | | | | | | | | | | | | | | | | X | X | | | | | | | | | | | X | | | |
| Musculoskeletal System | | | | | |
| Bone | | + | + | | | | | | |
| Femur, Hemangioma | | | | | |
| Femur, Lymphoma Malignant | | | | X | | | |
| Rib, Right, Osteosarcoma | | | | | |
| Sternum, Sarcoma | | | | | | | | | | | | X | | | |
| Sternum, Sarcoma, Metastatic, Skin | | | X | | | | | | | | | | | |
| Skeletal Muscle | | + | + | | | | | | |
| Alveolar/Bronchiolar Carcinoma, Metastatic, Lung | | | X | | | | | |
| Diaphragm, Sarcoma, Metastatic, Skin | | | X | | | | | | | | | | | |
| Lymphoma Malignant | | | | X | X | | | |
| Sarcoma, Metastatic, Uncertain Primary Site | | | X | | | | | |
| Nervous System | | | | | |
| Brain, Cerebellum | | + | + | | | | | | |
| Brain, Cerebrum | | + | + | | | | | | |
| Lymphoma Malignant | | | | X | | | |
| Peripheral Nerve | | + | + | | | | | | |
| Spinal Cord, Thoracic | | + | + | | | | | | |

* ..Total animals with tissue examined microscopically; Total animals with tumor

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

BLANK ..Not examined microscopically

Experiment Number: 00602-05

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Mouse/B6C3F1/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/18/2014

Time Report Requested: 00:19:15

First Dose M/F: NA / NA

Lab: NCTR

| B6C3F1/NCTR Mouse Female
0% ETH/ 90PPMURE | DAY ON TEST | |
|--|-------------|
| | 0 | 0 |
| | 1 | 3 | 4 | 4 | 4 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 6 | 6 | 5 | 5 | 5 | 6 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 7 |
| | 9 | 9 | 3 | 2 | 6 | 5 | 2 | 4 | 7 | 7 | 2 | 9 | 1 | 0 | 8 | 9 | 7 | 4 | 9 | 1 | 4 | 5 | 8 | 9 | 7 | 2 | 3 | 6 |
| ANIMAL ID | 3 | 1 | 6 | 7 | 6 | 1 | 3 | 8 | 3 | 6 | 2 | 2 | 8 | 5 | 4 | 3 | 8 | 2 | 0 | 8 | 3 | 0 | 3 | 6 | 8 | 0 | 5 | 2 |
| | 0 | 0 |
| | 0 | 0 |
| | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 4 |
| | 6 | 0 | 1 | 3 | 4 | 6 | 6 | 8 | 8 | 9 | 1 | 3 | 3 | 4 | 4 | 5 | 5 | 6 | 7 | 0 | 1 | 1 | 4 | 6 | 7 | 8 | 0 | 1 |
| | 6 | 9 | 8 | 3 | 9 | 4 | 5 | 0 | 9 | 0 | 9 | 5 | 7 | 0 | 2 | 3 | 5 | 1 | 8 | 7 | 1 | 2 | 1 | 1 | 8 | 1 | 3 | 7 |

Respiratory System

| | |
|--|---|
| Larynx | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + |
| Lung | + | M | + |
| Adenoacanthoma, Metastatic, Mammary Gland | | | | | | | X | | | | | | | X | | | | | | | | | X | | | X | | |
| Alveolar/Bronchiolar Adenoma | | X | X | X | | | | | | X | | | | | | | | | X | X | | | X | X | | X | X | |
| Alveolar/Bronchiolar Adenoma, Multiple | | | | | | X | | | | | | X | X | X | | | | X | | | | X | | | | | X | |
| Alveolar/Bronchiolar Carcinoma | | | | | | | | | | | | | | | | | X | X | | | | | | | | | X | X |
| Alveolar/Bronchiolar Carcinoma, Multiple | | | | | | | | X | X | | | | | | | | | | | | | | | | | | | |
| Basosquamous Tumor Malignant, Metastatic, Zymbal'S Gland | |
| Carcinoma, Metastatic, Harderian Gland |
| Carcinoma, Metastatic, Mammary Gland | | | | | | | | | X | | | | | | | | | | | | | | | | | | | |
| Granulosa Cell Tumor Malignant, Metastatic, Ovary | X | | |
| Hemangiosarcoma | |
| Hepatocellular Carcinoma, Metastatic, Liver |
| Histiocytic Sarcoma | X | | | | | | | |
| Lymphoma Malignant | X | | X | X | | X | | | |
| Nose | + |
| Trachea | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + |

Special Senses System

| |
|-----|
| Eye | + |
|-----|

* ..Total animals with tissue examined microscopically; Total animals with tumor

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

BLANK ..Not examined microscopically

Experiment Number: 00602-05

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Mouse/B6C3F1/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/18/2014

Time Report Requested: 00:19:15

First Dose M/F: NA / NA

Lab: NCTR

| B6C3F1/NCTR Mouse Female
0% ETH/ 90PPMURE | DAY ON TEST | |
|--|-------------|
| | 0 | 0 |
| | 1 | 3 | 4 | 4 | 4 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 6 | 6 | 5 | 5 | 5 | 6 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 7 |
| | 9 | 9 | 3 | 2 | 6 | 5 | 2 | 4 | 7 | 7 | 2 | 9 | 1 | 0 | 8 | 9 | 7 | 4 | 9 | 1 | 4 | 5 | 8 | 9 | 7 | 2 | 3 | 6 |
| ANIMAL ID | 3 | 1 | 6 | 7 | 6 | 1 | 3 | 8 | 3 | 6 | 2 | 2 | 8 | 5 | 4 | 3 | 8 | 2 | 0 | 8 | 3 | 0 | 3 | 6 | 8 | 0 | 5 | 2 |
| | 0 | 0 |
| | 0 | 0 |
| | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 4 |
| Eye | 6 | 0 | 1 | 3 | 4 | 6 | 6 | 8 | 8 | 9 | 1 | 3 | 3 | 4 | 4 | 4 | 5 | 5 | 6 | 7 | 0 | 1 | 1 | 4 | 6 | 7 | 8 | 0 |
| | 6 | 9 | 8 | 3 | 9 | 4 | 5 | 0 | 9 | 0 | 9 | 5 | 7 | 0 | 2 | 7 | 3 | 5 | 1 | 8 | 7 | 1 | 2 | 1 | 1 | 8 | 1 | 3 |
| | 6 | 9 | 8 | 3 | 9 | 4 | 5 | 0 | 9 | 0 | 9 | 5 | 7 | 0 | 2 | 7 | 3 | 5 | 1 | 8 | 7 | 1 | 2 | 1 | 1 | 8 | 1 | 3 |
| | 6 | 9 | 8 | 3 | 9 | 4 | 5 | 0 | 9 | 0 | 9 | 5 | 7 | 0 | 2 | 7 | 3 | 5 | 1 | 8 | 7 | 1 | 2 | 1 | 1 | 8 | 1 | 3 |
| Harderian Gland | + | + |
| Adenoma | + | + |
| Bilateral, Adenoma | | | | | | X | | X | | | | | X | X | | | X | X | | X | | | | | X | X | X | |
| Bilateral, Carcinoma | |
| Carcinoma | |
| Lymphoma Malignant | |
| Lacrimal Gland | + | + | M | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | M | + | + | + | M | + | + |
| Lymphoma Malignant | |
| Zymbal's Gland | + | + | + | + | + | + | + | M | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Basosquamous Tumor Malignant | |
| Lymphoma Malignant | |
| Urinary System | |
| Kidney | + | + |
| Histiocytic Sarcoma | |
| Lymphoma Malignant | X | | X | X | | | X | | | | | | | | | | | | | | | | | | | X | | |
| Sarcoma | |
| Sarcoma, Metastatic, Skin | |
| Urinary Bladder | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | M | M | + | + | + | + | + | M | + |
| Lymphoma Malignant | X | | | X | |
| SYSTEMIC LESIONS | |
| Multiple Organ | + | + |

* ..Total animals with tissue examined microscopically; Total animals with tumor

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

BLANK ..Not examined microscopically

Experiment Number: 00602-05

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Mouse/B6C3F1/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/18/2014

Time Report Requested: 00:19:15

First Dose M/F: NA / NA

Lab: NCTR

| | | DAY ON TEST | |
|--|-----------|-------------|--|
| B6C3F1/NCTR Mouse Female
0% ETH/ 90PPMURE | ANIMAL ID | 0 | 0 | | | |
| | | 1 | 3 | 4 | 4 | 4 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 6 | 6 | 5 | 5 | 5 | 6 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 7 | | |
| | | 9 | 9 | 3 | 2 | 6 | 5 | 2 | 4 | 7 | 7 | 2 | 9 | 1 | 0 | 8 | 9 | 7 | 4 | 9 | 1 | 4 | 5 | 8 | 9 | 7 | 2 | 3 | 6 | 3 | 7 | 3 | |
| | | 3 | 1 | 6 | 7 | 6 | 1 | 3 | 8 | 3 | 6 | 2 | 2 | 8 | 5 | 4 | 3 | 8 | 2 | 0 | 8 | 3 | 0 | 3 | 6 | 8 | 0 | 5 | 2 | 5 | 6 | 9 | |
| | | 0 | 0 | |
| | | 0 | 0 | | |
| | | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | |
| | | 6 | 0 | 1 | 3 | 4 | 6 | 6 | 8 | 8 | 9 | 1 | 3 | 3 | 4 | 4 | 4 | 5 | 5 | 6 | 7 | 0 | 1 | 1 | 4 | 6 | 7 | 8 | 0 | 1 | 3 | | |
| | | 6 | 9 | 8 | 3 | 9 | 4 | 5 | 0 | 9 | 0 | 9 | 5 | 7 | 0 | 2 | 7 | 3 | 5 | 1 | 8 | 7 | 1 | 2 | 1 | 1 | 8 | 1 | 3 | 7 | 5 | 1 | |
| Histiocytic Sarcoma | | X | |
| Lymphoma Malignant | | X | | X | | X | X | X | | X | | | | | | | | | | | | X | | | | | | | | | | | |

* ..Total animals with tissue examined microscopically; Total animals with tumor

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

BLANK ..Not examined microscopically

Experiment Number: 00602-05

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Mouse/B6C3F1/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/18/2014

Time Report Requested: 00:19:16

First Dose M/F: NA / NA

Lab: NCTR

| | | | | | | | | | | | | | | | | | |
|--|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| B6C3F1/NCTR Mouse Female
0% ETH/ 90PPMURE | DAY ON TEST | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | 6 | 6 | 7 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| | | 7 | 9 | 2 | 7 | 8 | 8 | 2 | 1 | 1 | 4 | 4 | 1 | 0 | 2 | 5 | 5 |
| | | 8 | 4 | 5 | 6 | 0 | 6 | 1 | 0 | 4 | 4 | 5 | 7 | 5 | 3 | 6 | 3 |
| | | | | | | | | | | | | | | | | | |
| | ANIMAL ID | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| | | 4 | 4 | 4 | 4 | 5 | 5 | 6 | 6 | 6 | 6 | 7 | 7 | 7 | 8 | 9 | 0 |
| | | 4 | 4 | 7 | 9 | 0 | 7 | 2 | 7 | 7 | 8 | 3 | 4 | 4 | 7 | 1 | 9 |
| | | 2 | 9 | 4 | 0 | 9 | 0 | 8 | 0 | 7 | 0 | 9 | 0 | 5 | 9 | 5 | 7 |
| | | | | | | | | | | | | | | | | | |
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Alimentary System

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|
| Esophagus | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | 47 |
| Gallbladder | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | 43 |
| Sarcoma, Metastatic, Skin | | | | | | | | | | | | | | | | | 1 |
| Intestine Large, Cecum | + | + | + | + | + | + | A | + | A | + | + | + | + | + | + | + | 45 |
| Intestine Large, Colon | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | 46 |
| Sarcoma, Metastatic, Skin | | | | | | | | | | | | | | | | | 1 |
| Sarcoma, Metastatic, Uncertain Primary Site | | | | | | | | | | | | | | | | | 1 |
| Intestine Large, Rectum | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | 46 |
| Histiocytic Sarcoma | | | | | | | | | | | | | | | | | 1 |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | 2 |
| Intestine Small, Duodenum | + | + | + | + | + | + | A | + | A | + | + | A | + | + | + | + | 44 |
| Intestine Small, Ileum | + | + | + | + | + | + | A | + | A | + | + | A | + | + | + | + | 44 |
| Histiocytic Sarcoma | | | | | | | | | | | | | | | | | 1 |
| Intestine Small, Jejunum | + | + | + | + | + | + | A | + | A | + | + | A | + | + | + | + | 44 |
| Liver | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 47 |
| Hemangiosarcoma | | | | X | X | X | | | | | | | | | | X | 7 |
| Hepatocellular Adenoma | | | | | | | | | | | | | | | | | 2 |
| Hepatocellular Adenoma, Multiple | | | | X | | X | X | | X | | X | X | X | X | X | | 16 |
| Hepatocellular Carcinoma | | | | | X | | | | | | | | | | | | 1 |
| Histiocytic Sarcoma | | | X | | | | | | | X | | | | | | | 3 |
| Lymphoma Malignant | X | | | | | X | | | | | | | | X | X | X | 10 |

* ..Total animals with tissue examined microscopically; Total animals with tumor

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

BLANK ..Not examined microscopically

Experiment Number: 00602-05

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Mouse/B6C3F1/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/18/2014

Time Report Requested: 00:19:16

First Dose M/F: NA / NA

Lab: NCTR

| B6C3F1/NCTR Mouse Female
0% ETH/ 90PPMURE | DAY ON TEST | | | | | | | | | | | | | | | | |
|--|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----|----|
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 6 | 6 | 7 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| | 7 | 9 | 2 | 7 | 8 | 8 | 2 | 1 | 1 | 4 | 4 | 1 | 0 | 2 | 5 | 5 | 6 |
| ANIMAL ID | 8 | 4 | 5 | 6 | 0 | 6 | 1 | 0 | 4 | 4 | 5 | 7 | 5 | 3 | 6 | 3 | 5 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| | 4 | 4 | 4 | 4 | 5 | 5 | 6 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 8 | 9 | 0 |
| | 4 | 4 | 7 | 9 | 0 | 7 | 2 | 7 | 7 | 8 | 3 | 4 | 4 | 7 | 1 | 9 | 8 |
| | 2 | 9 | 4 | 0 | 9 | 0 | 8 | 0 | 7 | 0 | 9 | 0 | 5 | 9 | 5 | 7 | 7 |
| *TOTALS | | | | | | | | | | | | | | | | | |
| Sarcoma, Metastatic, Skin | | | | | | | | | | | | | | | | | 1 |
| Mesentery | | | | | + | | | | | | | | | + | | | 6 |
| Sarcoma, Metastatic, Skin | | | | | | | | | | | | | | | | | 2 |
| Pancreas | + | + | + | + | + | + | A | + | A | + | + | + | + | + | + | + | 44 |
| Histiocytic Sarcoma | | X | | | | | | | | | | | | | | | 2 |
| Lymphoma Malignant | X | | | | | X | | | | | | | | X | X | | 6 |
| Sarcoma, Metastatic, Skin | | | | | | | | | | | | | | | | | 1 |
| Sarcoma, Metastatic, Uncertain Primary Site | | | | | | | | | | | | | | | | | 1 |
| Salivary Glands | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | 47 |
| Lymphoma Malignant | X | | | | | | | | | | | | | X | | X X | 8 |
| Stomach, Forestomach | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | 46 |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | 1 |
| Squamous Cell Carcinoma | | | | | | | | | | | | | | | | | 1 |
| Squamous Cell Papilloma | | | | | | | | X | | | | | | X | | | 3 |
| Stomach, Glandular | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | 47 |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | 1 |
| Tongue | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | 46 |
| Cardiovascular System | | | | | | | | | | | | | | | | | |
| Blood Vessel | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 46 |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | 2 |
| Heart | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 |
| Histiocytic Sarcoma | | X | | | | | | | | X | | | | | | | 3 |

* ..Total animals with tissue examined microscopically; Total animals with tumor

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

BLANK ..Not examined microscopically

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

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Test Compound: Urethane + ethanol (combination)
 CAS Number: URETHCOMB

Date Report Requested: 10/18/2014
 Time Report Requested: 00:19:16
 First Dose M/F: NA / NA
 Lab: NCTR

| | | DAY ON TEST | | | | | | | | | | | | | | | | | | | |
|--|--|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|---|
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | 6 | 6 | 7 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | |
| | | 7 | 9 | 2 | 7 | 8 | 8 | 2 | 1 | 1 | 4 | 4 | 1 | 0 | 2 | 5 | 5 | 6 | 6 | 5 | |
| | | 8 | 4 | 5 | 6 | 0 | 6 | 1 | 0 | 4 | 4 | 5 | 7 | 5 | 3 | 6 | 3 | 5 | 5 | 5 | |
| B6C3F1/NCTR Mouse Female
0% ETH/ 90PPMURE | | ANIMAL ID | | | | | | | | | | | | | | | | | | | |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | |
| | | 4 | 4 | 4 | 4 | 5 | 5 | 6 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 8 | 9 | 0 | 0 | 0 | |
| | | 4 | 4 | 7 | 9 | 0 | 7 | 2 | 7 | 7 | 8 | 3 | 4 | 4 | 7 | 1 | 9 | 9 | 8 | 8 | |
| | | 2 | 9 | 4 | 0 | 9 | 0 | 8 | 0 | 7 | 0 | 9 | 0 | 5 | 9 | 5 | 7 | 7 | 7 | 7 | |
| | | *TOTALS | | | | | | | | | | | | | | | | | | | |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | | | | | 3 |
| Endocrine System | | | | | | | | | | | | | | | | | | | | | |
| Adrenal Gland | | | | | | | | | | | | | | | | | | | | | 1 |
| Adrenal Gland, Cortex | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 47 | |
| Adenoma | | | | | | | | | | | | | | | | | | | | | 1 |
| Bilateral, Adenoma | | | | | | | | | | | | | | | | | | | | | 1 |
| Hemangiosarcoma | | | | | | | | | | | | | | | | | | | | | 1 |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | | | | | 2 |
| Sarcoma, Metastatic, Uncertain Primary Site | | | | | | | | | | | | | | | | | | | | | 1 |
| Adrenal Gland, Medulla | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 47 | |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | | | | | 1 |
| Islets, Pancreatic | | + | + | + | + | + | + | A | + | A | + | + | + | + | + | + | + | + | + | 44 | |
| Histiocytic Sarcoma | | | | | | | | | | | | | | | | | | | | | 1 |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | | | | | 2 |
| Parathyroid Gland | | + | + | + | + | + | + | + | + | M | M | + | M | + | + | + | M | M | | 40 | |
| Pituitary Gland | | M | + | + | + | + | + | + | M | + | + | + | M | + | + | + | + | + | | 39 | |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | | | | | 2 |
| Pars Distalis, Adenoma | | | | | | | | | | | | | | | | | | | | | 1 |
| Thyroid Gland | | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | 45 | |
| Follicular Cel, Adenoma | | | | | | | | | | | | | | | | | | | | | 2 |
| Follicular Cel, Carcinoma | | | | | | | | | | | | | | | | | | | | | 1 |

General Body System

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

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

Experiment Number: 00602-05

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Mouse/B6C3F1/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/18/2014

Time Report Requested: 00:19:16

First Dose M/F: NA / NA

Lab: NCTR

| B6C3F1/NCTR Mouse Female
0% ETH/ 90PPMURE | | DAY ON TEST | | | | | | | | | | | | | | | | | |
|--|--|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | 6 | 6 | 7 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | |
| | | 7 | 9 | 2 | 7 | 8 | 8 | 2 | 1 | 1 | 4 | 4 | 1 | 0 | 2 | 5 | 5 | 6 | |
| ANIMAL ID | | 8 | 4 | 5 | 6 | 0 | 6 | 1 | 0 | 4 | 4 | 5 | 7 | 5 | 3 | 6 | 3 | 5 | |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | |
| | | 4 | 4 | 4 | 4 | 5 | 5 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 8 | 9 | 0 | |
| | | 4 | 4 | 7 | 9 | 0 | 7 | 2 | 7 | 7 | 8 | 3 | 4 | 4 | 7 | 7 | 1 | 9 | 8 |
| | | 2 | 9 | 4 | 0 | 9 | 0 | 8 | 0 | 7 | 0 | 9 | 0 | 5 | 9 | 5 | 7 | 7 | |
| *TOTALS | | | | | | | | | | | | | | | | | | | |
| Tissue NOS | | | | | | | | | | | | | | | | | | | 4 |
| Abdominal, Lymphoma Malignant | | | | | | | | | | | | | | | | | | | 1 |
| Histiocytic Sarcoma | | | | | | | | | | | | | | | | | | | 1 |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | | | 1 |
| Sarcoma | | | | | | | | | | | | | | | | | | | 1 |
| Genital System | | | | | | | | | | | | | | | | | | | |
| Clitoral Gland | | + | + | + | + | M | + | + | M | M | + | M | + | + | + | + | + | + | 37 |
| Ovary | | + | + | + | + | M | + | + | + | + | + | M | + | + | + | M | + | + | 39 |
| Adenoma, Tubular | | | | | | | | | | | | | | X | | | | | 1 |
| Cystadenoma | | | | | | | | | | | | | | | | | | | 1 |
| Granulosa Cell Tumor Benign | | | | X | | | | | | | | | | X | | | | | 3 |
| Granulosa Cell Tumor Malignant | | X | X | | | | | | | | | | | | | | | | 3 |
| Lymphoma Malignant | | X | | | | | | | | | | | | | X | | X | X | 8 |
| Uterus | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 46 |
| Endometrium, Adenoma | | X | | | | | | | | | | | | | | | | | 1 |
| Hemangiosarcoma | | | | | | | | | | | | | | X | | | | | 2 |
| Histiocytic Sarcoma | | | | X | | | | | | | X | | | | | | | | 2 |
| Lymphoma Malignant | | | | | | | | | | | | | | | X | | | | 3 |
| Polyp Stromal | | | | | | | | | | | | | | | | | | | 1 |
| Sarcoma | | | | | | | | | | | | | | | | | X | | 1 |
| Vagina | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 43 |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | | | 4 |

* ..Total animals with tissue examined microscopically; Total animals with tumor

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

BLANK ..Not examined microscopically

Experiment Number: 00602-05

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Mouse/B6C3F1/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/18/2014

Time Report Requested: 00:19:17

First Dose M/F: NA / NA

Lab: NCTR

| B6C3F1/NCTR Mouse Female
0% ETH/ 90PPMURE | DAY ON TEST | | | | | | | | | | | | | | | | |
|--|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 6 | 6 | 7 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| | 7 | 9 | 2 | 7 | 8 | 8 | 2 | 1 | 1 | 4 | 4 | 1 | 0 | 2 | 5 | 5 | 6 |
| ANIMAL ID | 8 | 4 | 5 | 6 | 0 | 6 | 1 | 0 | 4 | 4 | 5 | 7 | 5 | 3 | 6 | 3 | 5 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| | 4 | 4 | 4 | 4 | 5 | 5 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 8 | 9 | 0 | 0 |
| | 4 | 4 | 7 | 9 | 0 | 7 | 2 | 7 | 7 | 8 | 3 | 4 | 4 | 7 | 1 | 9 | 8 |
| | 2 | 9 | 4 | 0 | 9 | 0 | 8 | 0 | 7 | 0 | 9 | 0 | 5 | 9 | 5 | 7 | 7 |
| | *TOTALS | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | |
| Squamous Cell Carcinoma | | | | | | | | | | | | | | | | | |
| Squamous Cell Papilloma | | | | | | | | | | | | | | | | | |
| Hematopoietic System | | | | | | | | | | | | | | | | | |
| Bone Marrow | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | |
| Lymph Node | | | | | | | | | | | | | | | | | |
| Lumbar, Histiocytic Sarcoma | | | | | | | | | | | | | | | | | |
| Lumbar, Lymphoma Malignant | | | | | | | | | | | | | | | | | |
| Renal, Histiocytic Sarcoma | | | | | | | | | | | | | | | | | |
| Renal, Lymphangioma | | | | | | | | | | | | | | | | | |
| Renal, Lymphoma Malignant | | | | | | | | | | | | | | | | | |
| Thoracic, Lymphoma Malignant | | | | | | | | | | | | | | | | | |
| Lymph Node, Mandibular | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + |
| Adenocarcinoma, Metastatic, Uncertain | | | | | | | | | | | | | | | | | |
| Primary Site | | | | | | | | | | | | | | | | | |
| Histiocytic Sarcoma | | | | | | | | | | | | | | | | | |
| Lymphoma Malignant | X | | | | X | X | | | | | | | | X | | | X |
| Lymph Node, Mesenteric | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + |
| Histiocytic Sarcoma | | | | | | | | | | | | | | | | | |
| Lymphoma Malignant | X | | | | X | | | X | | | | | | X | | | |
| Sarcoma, Metastatic, Uncertain Primary Site | | | | | | | | | | | | | | | | | |
| Spleen | + | + | + | + | + | + | A | + | A | + | + | + | + | + | + | + | + |

* ..Total animals with tissue examined microscopically; Total animals with tumor

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

BLANK ..Not examined microscopically

Experiment Number: 00602-05

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Mouse/B6C3F1/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/18/2014

Time Report Requested: 00:19:17

First Dose M/F: NA / NA

Lab: NCTR

| DAY ON TEST | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|--|--|---------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| B6C3F1/NCTR Mouse Female | | 6 | 6 | 7 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| 0% ETH/ 90PPMURE | | 7 | 9 | 2 | 7 | 8 | 8 | 2 | 1 | 1 | 4 | 4 | 1 | 0 | 2 | 5 | 5 | 6 | 6 |
| ANIMAL ID | | 8 | 4 | 5 | 6 | 0 | 6 | 1 | 0 | 4 | 4 | 5 | 7 | 5 | 3 | 6 | 3 | 5 | 5 |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 |
| | | 4 | 4 | 4 | 4 | 5 | 5 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 8 | 9 | 0 | 0 | 0 |
| | | 4 | 4 | 7 | 9 | 0 | 7 | 2 | 7 | 8 | 3 | 4 | 4 | 7 | 1 | 9 | 8 | 8 | 8 |
| | | 2 | 9 | 4 | 0 | 9 | 0 | 8 | 0 | 7 | 0 | 5 | 9 | 5 | 7 | 7 | 7 | 7 | 7 |
| | | *TOTALS | | | | | | | | | | | | | | | | | |
| Hemangiosarcoma | | X | | X | | | | | | X | | | | | | | | | |
| Histiocytic Sarcoma | | | | | | | | | | X | | | | | | | | | |
| Lymphoma Malignant | | X | | | | X | | X | | | | | | X | | X | | X | |
| Sarcoma, Metastatic, Skin | | | | | | | | | | | | | | | | | | | |
| Thymus | | + | | + | | M | | + | | + | | + | | + | | + | | + | |
| Alveolar/Bronchiolar Carcinoma, Metastatic, Lung | | X | | | | | | | | X | | X | | | | | | | |
| Histiocytic Sarcoma | | | | | | | | | | X | | | | | | | | | |
| Lymphoma Malignant | | X | | | | X | | X | | | | | | | | X | | | |
| Sarcoma, Metastatic, Skin | | | | | | | | | | | | | | | | | | X | |
| Sarcoma, Metastatic, Uncertain Primary Site | | | | | | | | | | | | | | | | | | | |
| Integumentary System | | | | | | | | | | | | | | | | | | | |
| Mammary Gland | | + | | + | | + | | + | | + | | + | | + | | + | | + | |
| Adenoacanthoma | | | | | | X | | | | X | | | | | | X | | | |
| Adenocarcinoma | | X | | | | X | | | | X | | | | X | | | | X | |
| Adenoma | | | | | | | | | | X | | | | | | | | | |
| Fibroadenoma | | | | | | | | | | | | X | | | | | | | |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | | | |
| Sarcoma, Metastatic, Skin | | | | | | | | | | | | | | | | | | | |
| Skin | | + | | + | | + | | + | | + | | + | | + | | + | | + | |
| Basal Cell Carcinoma | | | | | | | | | | | | | | | | | | | |
| Hemangiosarcoma | | X | | | | | | | | | | | | | | | | | |

* ..Total animals with tissue examined microscopically; Total animals with tumor

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

BLANK ..Not examined microscopically

Experiment Number: 00602-05

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Mouse/B6C3F1/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/18/2014

Time Report Requested: 00:19:17

First Dose M/F: NA / NA

Lab: NCTR

| B6C3F1/NCTR Mouse Female
0% ETH/ 90PPMURE | | DAY ON TEST | | | | | | | | | | | | | | | | |
|--|--|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | 6 | 6 | 7 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| | | 7 | 9 | 2 | 7 | 8 | 8 | 2 | 1 | 1 | 4 | 4 | 1 | 0 | 2 | 5 | 5 | 6 |
| ANIMAL ID | | 8 | 4 | 5 | 6 | 0 | 6 | 1 | 0 | 4 | 4 | 5 | 7 | 5 | 3 | 6 | 3 | 5 |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| | | 4 | 4 | 4 | 4 | 5 | 5 | 6 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 8 | 9 | 0 |
| | | 4 | 4 | 7 | 9 | 0 | 7 | 2 | 7 | 7 | 8 | 3 | 4 | 4 | 7 | 1 | 9 | 8 |
| | | 2 | 9 | 4 | 0 | 9 | 0 | 8 | 0 | 7 | 0 | 9 | 0 | 5 | 9 | 5 | 7 | 7 |
| | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | | |
| Sarcoma | | | | | | | | | | | | | | | | | | |
| Musculoskeletal System | | | | | | | | | | | | | | | | | | |
| Bone | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Femur, Hemangioma | | | | | | | | | | | | | | | | | | |
| Femur, Lymphoma Malignant | | | | | | | | | | | | | | | | | | |
| Rib, Right, Osteosarcoma | | | | | | | | | | | | | | | | | | |
| Sternum, Sarcoma | | | | | | | | | | | | | | | | | | |
| Sternum, Sarcoma, Metastatic, Skin | | | | | | | | | | | | | | | | | | |
| Skeletal Muscle | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Alveolar/Bronchiolar Carcinoma, Metastatic, Lung | | | | | | | | | | | | | | | | | | |
| Diaphragm, Sarcoma, Metastatic, Skin | | | | | | | | | | | | | | | | | | |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | | |
| Sarcoma, Metastatic, Uncertain Primary Site | | | | | | | | | | | | | | | | | | |
| Nervous System | | | | | | | | | | | | | | | | | | |
| Brain, Cerebellum | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Brain, Cerebrum | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | | |
| Peripheral Nerve | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Spinal Cord, Thoracic | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
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| | | | | | | | | | | | | | | | | | | |

* ..Total animals with tissue examined microscopically; Total animals with tumor

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

BLANK ..Not examined microscopically

Experiment Number: 00602-05

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Mouse/B6C3F1/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/18/2014

Time Report Requested: 00:19:17

First Dose M/F: NA / NA

Lab: NCTR

| DAY ON TEST | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|--------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| B6C3F1/NCTR Mouse Female | 6 | 6 | 7 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| 0% ETH/ 90PPMURE | 7 | 9 | 2 | 7 | 8 | 8 | 2 | 1 | 1 | 4 | 4 | 1 | 0 | 2 | 5 | 5 | 6 | 6 |
| ANIMAL ID | 8 | 4 | 5 | 6 | 0 | 6 | 1 | 0 | 4 | 4 | 5 | 7 | 5 | 3 | 6 | 3 | 5 | 5 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 |
| | 4 | 4 | 4 | 4 | 5 | 5 | 6 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 8 | 9 | 0 | 0 |
| | 4 | 4 | 7 | 9 | 0 | 7 | 2 | 7 | 7 | 8 | 3 | 4 | 4 | 7 | 1 | 9 | 8 | 8 |
| | 2 | 9 | 4 | 0 | 9 | 0 | 8 | 0 | 7 | 0 | 9 | 0 | 5 | 9 | 5 | 7 | 7 | 7 |
| *TOTALS | | | | | | | | | | | | | | | | | | |

Respiratory System

| | | | | | | | | | | | | | | | | | | |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|
| Larynx | + | M | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | 45 |
| Lung | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 47 |
| Adenoacanthoma, Metastatic, Mammary Gland | | | | | | | | | X | | | | | | | | | 5 |
| Alveolar/Bronchiolar Adenoma | | | | | X | | | X | | | | | | | | | | 12 |
| Alveolar/Bronchiolar Adenoma, Multiple | | X | | | | X | X | | X | X | | X | | X | X | X | | 17 |
| Alveolar/Bronchiolar Carcinoma | | | | | | | | | | X | | | X | | | | | 6 |
| Alveolar/Bronchiolar Carcinoma, Multiple | X | X | X | X | | | X | | X | | X | X | | X | X | | X | 13 |
| Basosquamous Tumor Malignant, Metastatic, Zymbal'S Gland | | | | | | | | | | | | X | | | | | | 1 |
| Carcinoma, Metastatic, Harderian Gland | | | | | | | | X | | | | | | | | | | 1 |
| Carcinoma, Metastatic, Mammary Gland | | | | | | | | | | | | | | | | | | 1 |
| Granulosa Cell Tumor Malignant, Metastatic, Ovary | | | | | | | | | | | | | | | | | | 1 |
| Hemangiosarcoma | | | | X | | | | | | | | | | | | | | 1 |
| Hepatocellular Carcinoma, Metastatic, Liver | | | | X | | | | | | | | | | | | | | 1 |
| Histiocytic Sarcoma | | | | | | | | | | | | | | | | | | 1 |
| Lymphoma Malignant | X | | | | X | | | | | | | | | | X | X | | 8 |
| Nose | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | M | + | 46 |
| Trachea | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | 46 |

Special Senses System

| | | | | | | | | | | | | | | | | | | |
|-----|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|
| Eye | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 |
|-----|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|

* ..Total animals with tissue examined microscopically; Total animals with tumor

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

BLANK ..Not examined microscopically

Experiment Number: 00602-05

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Mouse/B6C3F1/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/18/2014

Time Report Requested: 00:19:17

First Dose M/F: NA / NA

Lab: NCTR

| B6C3F1/NCTR Mouse Female
0% ETH/ 90PPMURE | | DAY ON TEST | | | | | | | | | | | | | | | | |
|--|--|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | 6 | 6 | 7 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| | | 7 | 9 | 2 | 7 | 8 | 8 | 2 | 1 | 1 | 4 | 4 | 1 | 0 | 2 | 5 | 5 | 6 |
| ANIMAL ID | | 8 | 4 | 5 | 6 | 0 | 6 | 1 | 0 | 4 | 4 | 5 | 7 | 5 | 3 | 6 | 3 | 5 |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| | | 4 | 4 | 4 | 4 | 5 | 5 | 6 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 8 | 9 | 0 |
| | | 4 | 4 | 7 | 9 | 0 | 7 | 2 | 7 | 7 | 8 | 3 | 4 | 4 | 7 | 1 | 9 | 8 |
| | | 2 | 9 | 4 | 0 | 9 | 0 | 8 | 0 | 7 | 0 | 9 | 0 | 5 | 9 | 5 | 7 | 7 |
| | | | | | | | | | | | | | | | | | | |
| | | *TOTALS | | | | | | | | | | | | | | | | |
| Eye | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 |
| Harderian Gland | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 |
| Adenoma | | X | X | X | | | X | | X | X | | | X | | | X | X | 20 |
| Bilateral, Adenoma | | | | | | | | | | | X | | | | | | | 1 |
| Bilateral, Carcinoma | | | | | X | X | | X | | | | | | | | | | 4 |
| Carcinoma | | | | | | | | | X | | | | X | | | | X | 7 |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | | 1 |
| Lacrimal Gland | | M | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | 40 |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | | 1 |
| Zymbal's Gland | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 46 |
| Basosquamous Tumor Malignant | | | | | | | | | | | | | X | | | | | 1 |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | | 1 |
| Urinary System | | | | | | | | | | | | | | | | | | |
| Kidney | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 |
| Histiocytic Sarcoma | | | | | | | | | | | X | | | | | | | 1 |
| Lymphoma Malignant | | | | | | | | | | | | | | | X | | X | 8 |
| Sarcoma | | | | | | | | | | | | | | | | | | 1 |
| Sarcoma, Metastatic, Skin | | | | | | | | | | | | | | | | | | 2 |
| Urinary Bladder | | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | M | 41 |
| Lymphoma Malignant | | | | | | | | | | | | | | | | X | X | 5 |
| SYSTEMIC LESIONS | | | | | | | | | | | | | | | | | | |
| Multiple Organ | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 |

* ..Total animals with tissue examined microscopically; Total animals with tumor

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

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Experiment Number: 00602-05

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Mouse/B6C3F1/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/18/2014

Time Report Requested: 00:19:18

First Dose M/F: NA / NA

Lab: NCTR

| B6C3F1/NCTR Mouse Female
0% ETH/ 90PPMURE | | DAY ON TEST | | | | | | | | | | | | | | | | ANIMAL ID | *TOTALS | |
|--|--|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------|---------|----|
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | |
| | | 6 | 6 | 7 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | | | |
| | | 7 | 9 | 2 | 7 | 8 | 8 | 2 | 1 | 1 | 4 | 4 | 1 | 0 | 2 | 5 | 5 | | | |
| | | 8 | 4 | 5 | 6 | 0 | 6 | 1 | 0 | 4 | 4 | 5 | 7 | 5 | 3 | 6 | 3 | | | |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | | | |
| | | 4 | 4 | 4 | 4 | 5 | 5 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 8 | 9 | 0 | | | |
| | | 4 | 4 | 7 | 9 | 0 | 7 | 2 | 7 | 7 | 8 | 3 | 4 | 4 | 7 | 1 | 9 | | | |
| | | 2 | 9 | 4 | 0 | 9 | 0 | 8 | 0 | 7 | 0 | 9 | 0 | 5 | 9 | 5 | 7 | | | |
| | | | | | | | | | | | | | | | | | | | | |
| Histiocytic Sarcoma | | X | | | | | | | | X | | | | | | | | 3 | | |
| Lymphoma Malignant | | X | | | | X | | X | | | | | | X | | X | | X | X | 15 |

* ..Total animals with tissue examined microscopically; Total animals with tumor

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

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Experiment Number: 00602-05

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Time Report Requested: 00:19:18

First Dose M/F: NA / NA

Lab: NCTR

| B6C3F1/NCTR Mouse Female
2.5%ETH/0PPM URE | DAY ON TEST | | 0 |
|--|-------------|--|---|
| | | | 5 | 6 | 6 | 6 | 6 | 6 | 7 |
| | | | 9 | 0 | 0 | 0 | 0 | 7 | 1 | 6 |
| | | | 8 | 8 | 8 | 8 | 8 | 7 | 8 | 6 | 6 | 6 | 6 | 5 |
| ANIMAL ID | | | 0 |
| | | | 0 |
| | | | 2 | 3 | 3 | 3 | 3 | 3 | 4 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| | | | 4 | 1 | 1 | 1 | 2 | 5 | 9 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | 5 | 1 | 1 | 2 | 9 | 9 | 9 | 6 | 6 | 6 | 8 | 2 | 2 | 2 | 8 | 8 | 8 | 4 |

Alimentary System

| |
|----------------------------------|
| Esophagus | + |
| Gallbladder | + |
| Intestine Large, Cecum | + |
| Intestine Large, Colon | + |
| Intestine Large, Rectum | + |
| Lymphoma Malignant | | | | | | | | X | |
| Intestine Small, Duodenum | + |
| Lymphoma Malignant | | | | | | | | | | | | | | X | | | | | | | | | | | | | | | | | | | |
| Intestine Small, Ileum | + |
| Intestine Small, Jejunum | + |
| Liver | + |
| Hemangiosarcoma |
| Hepatocellular Adenoma | | | | | | | | | | | | | | | | | | X | | | | | | | | | | | | | | X | |
| Hepatocellular Adenoma, Multiple | | X |
| Hepatocellular Carcinoma |
| Ito Cell Tumor Malignant |
| Lymphoma Malignant | | | | | | | | X | | | | | | | | | | X | | | | | | | | | | | | | | | |
| Mesentery | | | | | | | | | | + | | | | | | | | + | | | | | | | | | | | | | | | |
| Pancreas | + |
| Lymphoma Malignant | | | | | | | | X | |
| Salivary Glands | + |

* ..Total animals with tissue examined microscopically; Total animals with tumor

+ ..Tissue examined microscopically

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| B6C3F1/NCTR Mouse Female
2.5%ETH/0PPM URE | DAY ON TEST | 0 | | | |
|--|-------------|--|--|
| | | 5 | 6 | 6 | 6 | 6 | 6 | 7 | | | |
| | | 9 | 0 | 0 | 0 | 0 | 7 | 1 | 6 | | | |
| | | 8 | 8 | 8 | 8 | 8 | 7 | 8 | 6 | 6 | 6 | 6 | 5 | | | |
| | ANIMAL ID | 0 | | |
| | 0 | 0 | | | |
| | 2 | 3 | 3 | 3 | 3 | 3 | 4 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | | | |
| | 4 | 1 | 1 | 1 | 2 | 5 | 9 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | 5 | 1 | 1 | 2 | 9 | 9 | 9 | 6 | 6 | 6 | 8 | 2 | 2 | 2 | 8 | 8 | 8 | | | |
| | 4 | 7 | 8 | 9 | 0 | 9 | 5 | 1 | 2 | 3 | 4 | 8 | 9 | 0 | 1 | 8 | 9 | 0 | 3 | 4 | 5 | 0 | 1 | 2 | 1 | 7 | 8 | 9 | 2 | 3 | 4 | | | | |
| Lymphoma Malignant | X | | | | | | | | | | X | | |
| Stomach, Forestomach | + | + | | | | |
| Stomach, Glandular | + | + | | | | |
| Tongue | + | + | | | | |
| Cardiovascular System | | | |
| Blood Vessel | + | + | | | | |
| Heart | + | + | | | | |
| Endocrine System | | | |
| Adrenal Gland, Cortex | + | + | M | + | + | + | + | + | + | + | + | | | | |
| Adenocarcinoma, Metastatic, Mammary Gland | X | | |
| Adenoma | X | | |
| Adrenal Gland, Medulla | + | + | M | + | + | + | + | + | + | + | + | | | | |
| Pheochromocytoma Benign | X | | |
| Islets, Pancreatic | + | + | | | | |
| Adenoma | | | | | | | | | | | X | | |
| Parathyroid Gland | + | M | + | + | + | + | + | + | + | + | M | + | + | M | M | M | + | M | + | + | + | + | + | + | M | + | M | + | + | + | + | | | | |
| Pituitary Gland | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | | |
| Pars Distalis, Adenoma | X | | | | | | | | | | X | X | | | | | | | | | | X | | | | | | | | | | | | | |
| Thyroid Gland | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | | |
| Follicular Cel, Adenoma | | | |

* ..Total animals with tissue examined microscopically; Total animals with tumor

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

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Lab: NCTR

| B6C3F1/NCTR Mouse Female
2.5%ETH/0PPM URE | DAY ON TEST | | 0 |
|--|-------------|--|---|
| | | | 5 | 6 | 6 | 6 | 6 | 6 | 7 |
| | | | 9 | 0 | 0 | 0 | 0 | 7 | 1 | 6 |
| | | | 8 | 8 | 8 | 8 | 8 | 7 | 8 | 6 | 6 | 6 | 6 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 4 | 5 | 5 | 5 | 5 | 5 | 5 |
| ANIMAL ID | | | 0 |
| | | | 0 |
| | | | 2 | 3 | 3 | 3 | 3 | 3 | 4 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| | | | 4 | 1 | 1 | 1 | 2 | 5 | 9 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | 5 | 1 | 1 | 2 | 9 | 9 | 9 | 6 | 6 | 6 | 8 | 2 | 2 | 2 | 8 | 8 | 8 | 8 | 8 |
| | | | 4 | 7 | 8 | 9 | 0 | 9 | 5 | 1 | 2 | 3 | 4 | 8 | 9 | 0 | 1 | 8 | 9 | 0 | 3 | 4 | 5 | 0 | 1 | 2 | 1 | 7 | 8 | 9 | 2 | 3 | 4 | 4 | 4 |

General Body System

NONE

Genital System

| |
|--------------------|
| Clitoral Gland | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | M | + | + | + | M | M | M | + | + | + | + | + |
| Lymphoma Malignant | | | | | X | |
| Ovary | + |
| Adenoma, Tubular |
| Cystadenoma |
| Lymphoma Malignant | | | | | X | | | | | | | | | | | | | | | | | | | | X | | | | | |
| Uterus | + |
| Leiomyoma |
| Lymphoma Malignant | | | | | X | |
| Vagina | + |
| Lymphoma Malignant | | | | | X | |

Hematopoietic System

| |
|------------------------|
| Bone Marrow | + |
| Lymph Node |
| Lymph Node, Mandibular | + |
| Lymphoma Malignant | | | | | | | | X | |
| Lymph Node, Mesenteric | M | + |
| Lymphoma Malignant | | | | | | | | X | |

* ..Total animals with tissue examined microscopically; Total animals with tumor

+ ..Tissue examined microscopically

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I ..Insufficient tissue

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Species/Strain: Mouse/B6C3F1/NCTR

CAS Number: URETHCOMB

Lab: NCTR

[illegible]

BLANK ..Not examined microscopically

Experiment Number: 00602-05

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Mouse/B6C3F1/NCTR

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Time Report Requested: 00:19:19

First Dose M/F: NA / NA

Lab: NCTR

| B6C3F1/NCTR Mouse Female
2.5%ETH/0PPM URE | DAY ON TEST | | 0 |
|--|-------------|--|---|
| | | | 5 | 6 | 6 | 6 | 6 | 6 | 7 |
| | | | 9 | 0 | 0 | 0 | 0 | 7 | 1 | 6 |
| | | | 8 | 8 | 8 | 8 | 8 | 7 | 8 | 6 | 6 | 6 | 6 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 4 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| ANIMAL ID | | | 0 |
| | | | 0 |
| | | | 2 | 3 | 3 | 3 | 3 | 3 | 4 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| | | | 4 | 1 | 1 | 1 | 2 | 5 | 9 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | 5 | 1 | 1 | 2 | 9 | 9 | 9 | 6 | 6 | 6 | 8 | 2 | 2 | 2 | 8 | 8 | 8 | 8 | 4 |

Respiratory System

| | |
|--|---|
| Larynx | + |
| Lung | + |
| Adenocarcinoma, Multiple, Metastatic,
Mammary Gland | | | | | | | | | X | |
| Alveolar/Bronchiolar Adenoma | | | | | | | | | | | | | | X | | X | | | | | | | | | | | | X | | X | | | | |
| Lymphoma Malignant | | | | | | | | X | |
| Nose | + |
| Trachea | + |

Special Senses System

| |
|--------------------|
| Eye | + |
| Harderian Gland | + |
| Adenoma |
| Carcinoma |
| Lymphoma Malignant | | | | | | | | X | |
| Lacrimal Gland | + |
| Lymphoma Malignant | | | | | | | | X | | | | | | | | | | | | | | | | | | | | X | | | | | | |
| Zymbal's Gland | + |

Urinary System

| |
|--------------------|
| Kidney | + |
| Lymphoma Malignant | | | | | | | | X | |

* ..Total animals with tissue examined microscopically; Total animals with tumor

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

BLANK ..Not examined microscopically

Experiment Number: 00602-05

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Mouse/B6C3F1/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/18/2014

Time Report Requested: 00:19:19

First Dose M/F: NA / NA

Lab: NCTR

| B6C3F1/NCTR Mouse Female
2.5%ETH/0PPM URE | | DAY ON TEST | |
|--|--|-------------|
| | | 0 | 0 | | | |
| | | 5 | 6 | 6 | 6 | 6 | 6 | 7 | | |
| | | 9 | 0 | 0 | 0 | 0 | 7 | 1 | 6 | | |
| | | 8 | 8 | 8 | 8 | 8 | 7 | 8 | 6 | 6 | 6 | 6 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 4 | 5 | 5 | 5 | 5 | 5 | |
| ANIMAL ID | | 0 | 0 | | |
| | | 0 | 0 | | |
| | | 2 | 3 | 3 | 3 | 3 | 3 | 4 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | | |
| | | 4 | 1 | 1 | 1 | 1 | 2 | 5 | 9 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | 5 | 1 | 1 | 2 | 9 | 9 | 9 | 6 | 6 | 6 | 8 | 2 | 2 | 2 | 8 | 8 | 8 |
| | | 4 | 7 | 8 | 9 | 0 | 9 | 5 | 1 | 2 | 3 | 4 | 8 | 9 | 0 | 1 | 8 | 9 | 0 | 3 | 4 | 5 | 0 | 1 | 2 | 1 | 7 | 8 | 9 | 2 | 3 | 4 | |
| Urinary Bladder | | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | | |
| Lymphoma Malignant | | | | | | | | X | |
| SYSTEMIC LESIONS | | |
| Multiple Organ | | | + | | |
| Lymphoma Malignant | | | | | | | X | X | | | | X | | | | | X | | | | | X | | X | | | | | | | | | |

* ..Total animals with tissue examined microscopically; Total animals with tumor

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

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BLANK ..Not examined microscopically

Experiment Number: 00602-05

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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

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First Dose M/F: NA / NA

Lab: NCTR

| B6C3F1/NCTR Mouse Female
2.5%ETH/0PPM URE | DAY ON TEST | | | | | | | | | | | | | | | |
|--|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ANIMAL ID | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| | 6 | 6 | 6 | 6 | 6 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| | 5 | 5 | 5 | 5 | 5 | 2 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | 9 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 |
| | 8 | 9 | 9 | 9 | 9 | 0 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 1 | 1 | 1 |
| | 5 | 4 | 5 | 6 | 7 | 7 | 4 | 5 | 6 | 7 | 5 | 6 | 7 | 4 | 5 | 6 |
| *TOTALS | | | | | | | | | | | | | | | | |

Alimentary System

| | | | | | | | | | | | | | | | | | |
|----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|
| Esophagus | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 47 |
| Gallbladder | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 47 |
| Intestine Large, Cecum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 47 |
| Intestine Large, Colon | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 47 |
| Intestine Large, Rectum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 47 |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | 1 |
| Intestine Small, Duodenum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 47 |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | 1 |
| Intestine Small, Ileum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 47 |
| Intestine Small, Jejunum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 47 |
| Liver | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 47 |
| Hemangiosarcoma | | | | | | | | X | | | | | | | | | 1 |
| Hepatocellular Adenoma | | | | | | | | | | | | X | X | | | | 4 |
| Hepatocellular Adenoma, Multiple | | | | | | | | X | | | | | | | | | 2 |
| Hepatocellular Carcinoma | | | | | | X | | | | | | | | | | | 1 |
| Ito Cell Tumor Malignant | | | | | | | | | | | | | | | | | 1 |
| Lymphoma Malignant | | | X | | | | | | | | | | | | | | 2 |
| Mesentery | | | | | | | | | | | | | | | | | 2 |
| Pancreas | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 47 |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | 1 |
| Salivary Glands | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 47 |

* ..Total animals with tissue examined microscopically; Total animals with tumor

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

BLANK ..Not examined microscopically

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 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: 00:19:19
 First Dose M/F: NA / NA
 Lab: NCTR

| B6C3F1/NCTR Mouse Female
2.5%ETH/0PPM URE | DAY ON TEST | | | | | | | | | | | | | | | | | ANIMAL ID | |
|--|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------|----|
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | |
| | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | | |
| | 6 | 6 | 6 | 6 | 6 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | | |
| | 5 | 5 | 5 | 5 | 5 | 2 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | | |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | |
| | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | |
| | 9 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | | |
| | 8 | 9 | 9 | 9 | 9 | 0 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 1 | 1 | 1 | 1 | | |
| | 5 | 4 | 5 | 6 | 7 | 7 | 4 | 5 | 6 | 7 | 5 | 6 | 7 | 4 | 5 | 6 | 7 | | |
| | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | | | 2 |
| Stomach, Forestomach | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | 47 |
| Stomach, Glandular | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | 47 |
| Tongue | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | 47 |
| Cardiovascular System | | | | | | | | | | | | | | | | | | | |
| Blood Vessel | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | 47 |
| Heart | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | 47 |
| Endocrine System | | | | | | | | | | | | | | | | | | | |
| Adrenal Gland, Cortex | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | 46 |
| Adenocarcinoma, Metastatic, Mammary Gland | | | | | | | | | | | | | | | | | | | 1 |
| Adenoma | | | | | | | | | | | | | | | | | | | 1 |
| Adrenal Gland, Medulla | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | | 45 |
| Pheochromocytoma Benign | | | | | | | | | | | | | | | | | | | 1 |
| Islets, Pancreatic | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | 47 |
| Adenoma | | | | | | | | | | | | | | | | | | | 1 |
| Parathyroid Gland | M | + | + | M | + | + | M | + | + | + | + | + | M | + | M | + | + | | 34 |
| Pituitary Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | | 44 |
| Pars Distalis, Adenoma | | | | | | | | | | | | | | | | | | | 7 |
| Thyroid Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | 46 |
| Follicular Cel, Adenoma | | | | | | | | | | | | | | | | | | | 1 |

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

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

Experiment Number: 00602-05

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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: 00:19:20

First Dose M/F: NA / NA

Lab: NCTR

| B6C3F1/NCTR Mouse Female
2.5%ETH/0PPM URE | DAY ON TEST | | | | | | | | | | | | | | | | |
|--|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ANIMAL ID | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| | 6 | 6 | 6 | 6 | 6 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| | 5 | 5 | 5 | 5 | 5 | 2 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | 9 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 |
| | 8 | 9 | 9 | 9 | 9 | 0 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 1 | 1 | 1 | 1 |
| | 5 | 4 | 5 | 6 | 7 | 7 | 4 | 5 | 6 | 7 | 5 | 6 | 7 | 4 | 5 | 6 | 7 |
| *TOTALS | | | | | | | | | | | | | | | | | |

General Body System

NONE

Genital System

| | | | | | | | | | | | | | | | | | | |
|--------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|
| Clitoral Gland | I | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | 40 |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | | 1 |
| Ovary | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 47 |
| Adenoma, Tubular | | | | | | | | | | | X | | | | | | | 1 |
| Cystadenoma | | | | | | | | | | | | | | | | | | 1 |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | | 1 |
| Uterus | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 47 |
| Leiomyoma | | | | | | | X | | | | | | | | | | | 1 |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | | 1 |
| Vagina | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 47 |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | | 1 |

Hematopoietic System

| | | | | | | | | | | | | | | | | | | |
|------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|
| Bone Marrow | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 47 |
| Lymph Node | | | | | | | | | | | | | | | | | | 1 |
| Lymph Node, Mandibular | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 47 |
| Lymphoma Malignant | | | | | X | | | | | | X | | | | | | | 4 |
| Lymph Node, Mesenteric | I | M | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | 43 |
| Lymphoma Malignant | | | X | | X | | | | | | | | | | | | | 5 |

* ..Total animals with tissue examined microscopically; Total animals with tumor

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

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First Dose M/F: NA / NA

Lab: NCTR

| B6C3F1/NCTR Mouse Female
2.5%ETH/0PPM URE | DAY ON TEST | | | | | | | | | | | | | | | | | ANIMAL ID | | |
|--|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------|--|----|
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | |
| | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | | | |
| | 6 | 6 | 6 | 6 | 6 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | | | |
| | 5 | 5 | 5 | 5 | 5 | 2 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | | | |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | |
| | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | | |
| | 9 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | | | |
| | 8 | 9 | 9 | 9 | 9 | 0 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 1 | 1 | 1 | 1 | | | |
| | 5 | 4 | 5 | 6 | 7 | 7 | 4 | 5 | 6 | 7 | 5 | 6 | 7 | 4 | 5 | 6 | 7 | | | |
| | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | |
| Spleen | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | 47 |
| Lymphoma Malignant | | | | X | | X | | | | | X | | | | | | | | | 6 |
| Thymus | + | + | + | + | + | + | + | M | + | + | M | + | + | + | + | + | M | | | 41 |
| Lymphoma Malignant | | | | | | X | | | | | | | | | | | | | | 3 |
| Integumentary System | | | | | | | | | | | | | | | | | | | | |
| Mammary Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | 47 |
| Adenocarcinoma | | | | | | | | | | | | | | | | | X | | | 4 |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | | | | 1 |
| Skin | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | 47 |
| Hemangioma | | | | | | | | | | | | | | | | | | | | 1 |
| Sarcoma | | | | | | X | | | | | | | | | | | | X | | 2 |
| Musculoskeletal System | | | | | | | | | | | | | | | | | | | | |
| Bone | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | 46 |
| Skeletal Muscle | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | 47 |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | | | | 2 |
| Nervous System | | | | | | | | | | | | | | | | | | | | |
| Brain, Cerebellum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | 47 |
| Brain, Cerebrum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | 47 |
| Peripheral Nerve | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | 47 |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | | | | 1 |
| Spinal Cord, Thoracic | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | 47 |

* ..Total animals with tissue examined microscopically; Total animals with tumor

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

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 Time Report Requested: 00:19:20
 First Dose M/F: NA / NA
 Lab: NCTR

| | | DAY ON TEST | | | | | | | | | | | | | | | | | | | ANIMAL ID | | | | |
|---|--|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|-----------|--|--|--|--|
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | |
| B6C3F1/NCTR Mouse Female | | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | | | | | | |
| 2.5%ETH/0PPM URE | | 6 | 6 | 6 | 6 | 6 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | | | | | | |
| | | 5 | 5 | 5 | 5 | 5 | 2 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | | | | | | |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | |
| | | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | | | | | |
| | | 9 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | | | | | | |
| | | 8 | 9 | 9 | 9 | 9 | 0 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 1 | 1 | 1 | 1 | 1 | | | | | | |
| | | 5 | 4 | 5 | 6 | 7 | 7 | 4 | 5 | 6 | 7 | 5 | 6 | 7 | 4 | 5 | 6 | 7 | 5 | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | *TOTALS | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | |
| Respiratory System | | | | | | | | | | | | | | | | | | | | | | | | | |
| Larynx | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 47 | | | | | |
| Lung | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 47 | | | | | |
| Adenocarcinoma, Multiple, Metastatic, Mammary Gland | | | | | | | | | | | | | | | | | | | | 1 | | | | | |
| Alveolar/Bronchiolar Adenoma | | | | | | | | | | | | | | | X | | | | | 5 | | | | | |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | | | | 1 | | | | | |
| Nose | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 47 | | | | | |
| Trachea | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 47 | | | | | |
| Special Senses System | | | | | | | | | | | | | | | | | | | | | | | | | |
| Eye | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 47 | | | | | |
| Harderian Gland | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 47 | | | | | |
| Adenoma | | | | | | | | | | | | | X | | | | | | | 2 | | | | | |
| Carcinoma | | | | | | X | | | | | | | | | | | | | | 1 | | | | | |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | | | | 1 | | | | | |
| Lacrimal Gland | | M | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 45 | | | | | |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | | | | 2 | | | | | |
| Zymbal's Gland | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | 46 | | | | | |
| Urinary System | | | | | | | | | | | | | | | | | | | | | | | | | |
| Kidney | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 47 | | | | | |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | | | | 1 | | | | | |

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

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

Experiment Number: 00602-05
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 CAS Number: URETHCOMB

Date Report Requested: 10/18/2014
 Time Report Requested: 00:19:20
 First Dose M/F: NA / NA
 Lab: NCTR

| B6C3F1/NCTR Mouse Female
2.5%ETH/0PPM URE | | DAY ON TEST | | | | | | | | | | | | | | | | | | ANIMAL ID | | |
|--|--|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--|-----------|----|--|
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | |
| | | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | | | | |
| | | 6 | 6 | 6 | 6 | 6 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | | | | |
| | | 5 | 5 | 5 | 5 | 5 | 2 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | | | | |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | |
| | | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | | | |
| | | 9 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | | | | |
| | | 8 | 9 | 9 | 9 | 9 | 0 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 1 | 1 | 1 | 1 | | | | |
| | | 5 | 4 | 5 | 6 | 7 | 7 | 4 | 5 | 6 | 7 | 5 | 6 | 7 | 4 | 5 | 6 | 7 | | | | |
| | | *TOTALS | | | | | | | | | | | | | | | | | | | | |
| Urinary Bladder | | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | | | 45 | |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | | | | | 1 | |
| SYSTEMIC LESIONS | | | | | | | | | | | | | | | | | | | | | | |
| Multiple Organ | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | 47 | |
| Lymphoma Malignant | | | | | X | | X | | | | | X | | | | | | | | | 9 | |

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

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

Experiment Number: 00602-05

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Mouse/B6C3F1/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

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|--|-------------|--|---|
| | | | 4 | 5 | 6 | 6 | 6 | 6 | 6 | 7 |
| | | | 3 | 2 | 1 | 1 | 1 | 4 | 6 | 9 | 1 | 4 | 4 | 4 | 6 | 6 | 6 | 6 | 6 | 3 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| | | | 3 | 9 | 4 | 8 | 1 | 8 | 0 | 8 | 9 | 8 | 8 | 8 | 5 | 5 | 5 | 5 | 5 | 4 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| ANIMAL ID | | | 0 |
| | | | 0 |
| | | | 1 | 1 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 8 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 |
| | | | 0 | 7 | 2 | 3 | 7 | 0 | 3 | 6 | 9 | 5 | 5 | 5 | 2 | 6 | 6 | 3 | 3 | 3 | 4 | 0 | 0 | 0 | 6 | 6 | 6 | 3 | 3 | 3 | 8 | 9 | 9 |
| | | | 7 | 3 | 8 | 8 | 9 | 5 | 7 | 0 | 3 | 7 | 8 | 9 | 1 | 8 | 9 | 1 | 2 | 3 | 6 | 0 | 1 | 2 | 3 | 4 | 5 | 4 | 5 | 6 | 9 | 0 | 1 |

Alimentary System

| |
|----------------------------------|
| Esophagus | + |
| Gallbladder | + | + | + | M | A | + |
| Intestine Large, Cecum | + | + | + | A | A | + |
| Lymphoma Malignant | | | | | | | | | | | | | | X | | | | | | | | | | | | | | | | | | |
| Intestine Large, Colon | + | + | + | A | A | + |
| Lymphoma Malignant | | | | | | | | | | | | | | X | | | | | | | | | | | | | | | | | | |
| Intestine Large, Rectum | + | + | M | A | A | + |
| Intestine Small, Duodenum | + | + | + | A | A | + |
| Intestine Small, Ileum | + | + | + | A | A | + |
| Lymphoma Malignant |
| Intestine Small, Jejunum | + | + | + | A | A | + |
| Liver | + |
| Hemangiosarcoma | | | | | | | | | | | | | | X | | | | | | | | | | | | | | | | | | |
| Hepatocellular Adenoma, Multiple | | | | | | | | | | | | | | | | | X | | | | | | | X | | | | | | | | |
| Histiocytic Sarcoma | | | | | | | | | | X | |
| Lymphoma Malignant | | | | X | X | | | | | | X | | | | | | | | | | | | | | X | | X | | | | | X |
| Osteosarcoma, Metastatic, Bone | X | | | | | | | | | | | | |
| Mesentery | | | | | + | | | | | + | | + | |
| Lymphoma Malignant | | | | | X | |
| Sarcoma |
| Pancreas | + | + | + | A | A | + |

* ..Total animals with tissue examined microscopically; Total animals with tumor

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

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|--|-------------|
| | 0 | 0 |
| | 4 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 7 |
| | 3 | 2 | 1 | 1 | 1 | 4 | 6 | 9 | 1 | 4 | 4 | 4 | 6 | 6 | 6 | 6 | 6 | 3 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| ANIMAL ID | 3 | 9 | 4 | 8 | 1 | 8 | 0 | 8 | 9 | 8 | 8 | 8 | 5 | 5 | 5 | 5 | 5 | 5 | 4 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| | 0 | 0 |
| | 0 | 0 |
| | 1 | 1 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 8 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 |
| | 0 | 7 | 2 | 3 | 7 | 0 | 3 | 6 | 9 | 5 | 5 | 2 | 6 | 6 | 3 | 3 | 3 | 4 | 0 | 0 | 0 | 6 | 6 | 6 | 3 | 3 | 8 | 9 |
| | 7 | 3 | 8 | 8 | 9 | 5 | 7 | 0 | 3 | 7 | 8 | 9 | 1 | 8 | 9 | 1 | 2 | 3 | 6 | 0 | 1 | 2 | 3 | 4 | 5 | 4 | 5 | 1 |
| Pheochromocytoma Benign | | X |
| Islets, Pancreatic | + | + | + | A | A | + |
| Adenoma | |
| Parathyroid Gland | + | + | + | + | + | M | + | + | + | + | + | + | M | + | + | + | + | + | M | + | + | M | M | + | + | + | + | + |
| Pituitary Gland | + | + | + | + | + | M | M | + | + | M | + | + | + | + | + | + | M | + | + | + | + | M | + | + | + | + | + | + |
| Lymphoma Malignant | | | | | | | | | | | X | | | | | | | | | | | | | | | | | |
| Pars Distalis, Adenoma | |
| Thyroid Gland | + | + |
| Lymphoma Malignant | |
| General Body System | |
| Tissue NOS | |
| Abdominal, Sarcoma | |
| Genital System | |
| Clitoral Gland | M | + | + | + | M | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + |
| Lymphoma Malignant | |
| Ovary | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Cystadenoma | | | X | |
| Histiocytic Sarcoma | |
| Lymphoma Malignant | |
| Uterus | + | + |
| Histiocytic Sarcoma | |
| Lymphoma Malignant | |

* ..Total animals with tissue examined microscopically; Total animals with tumor

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

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2.5%ETH/10PPMURE | DAY ON TEST | |
|--|-------------|
| | 0 | 0 |
| | 4 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 7 |
| | 3 | 2 | 1 | 1 | 1 | 4 | 6 | 9 | 1 | 4 | 4 | 4 | 6 | 6 | 6 | 6 | 6 | 6 | 3 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| ANIMAL ID | 3 | 9 | 4 | 8 | 1 | 8 | 0 | 8 | 9 | 8 | 8 | 8 | 5 | 5 | 5 | 5 | 5 | 5 | 4 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| | 0 | 0 |
| | 0 | 0 |
| | 1 | 1 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 8 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 |
| | 0 | 7 | 2 | 3 | 7 | 0 | 3 | 6 | 9 | 5 | 5 | 5 | 2 | 6 | 6 | 3 | 3 | 3 | 4 | 0 | 0 | 0 | 6 | 6 | 6 | 3 | 3 | 3 |
| | 7 | 3 | 8 | 8 | 9 | 5 | 7 | 0 | 3 | 7 | 8 | 9 | 1 | 8 | 9 | 1 | 2 | 3 | 6 | 0 | 1 | 2 | 3 | 4 | 5 | 4 | 5 | 5 |
| Vagina | + | + |
| Histiocytic Sarcoma | | | | | | | | | X | | | | | | | | | | | | | | | | | | | |
| Lymphoma Malignant | | | | | | | | | | X | | | | | | | | | | | | | | | | | | |
| Hematopoietic System | |
| Bone Marrow | + | + | + | A | + |
| Histiocytic Sarcoma | | | | | | | | | X | | | | | | | | | | | | | | | | | | | |
| Lymph Node | | | | + | + | | | + | | | | | | + | | | | | | | | | | | + | | | |
| Axillary, Lymphoma Malignant | |
| Lumbar, Histiocytic Sarcoma | | | | | | | | | X | | | | | | | | | | | | | | | | | | | |
| Lumbar, Lymphoma Malignant | | | | X | | | | | | | | | | X | | | | | | | | | | | | | | |
| Renal, Lymphoma Malignant | | | | | X | | | | | | | | | | | | | | | | | | | | X | | | |
| Thoracic, Lymphoma Malignant | | | | | | | | | | | | | | X | | | | | | | | | | | | | | |
| Lymph Node, Mandibular | + | + | + | A | M | M | + |
| Histiocytic Sarcoma | | | | | | | | | X | | | | | | | | | | | | | | | | | | | |
| Lymphoma Malignant | | | | | | | | | X | | | | | X | | | | | | | | | | | X | | | |
| Lymph Node, Mesenteric | + | + | + | A | M | + | + | + | + | + | M | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + |
| Histiocytic Sarcoma | | | | | | | | | X | | | | | | | | | | | | | | | | | | | |
| Lymphoma Malignant | | | | | | | | | X | | | | | X | | | | | | | | | | | X | | | X |
| Spleen | + | + | + | + | A | + |
| Hemangioma | | | | | | | | | | | | | | | | X | | | | | | | | | | | | |
| Histiocytic Sarcoma | | | | | | | | | X | | | | | | | | | | | | | | | | | | | |
| Lymphoma Malignant | | | | X | | | | | X | | | | | X | | | | | | | | | | X | X | | | X |

* ..Total animals with tissue examined microscopically; Total animals with tumor

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

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|--|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ANIMAL ID | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| | 6 | 3 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| | 5 | 6 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | 9 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | 9 | 0 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 6 | 6 | 6 | 6 | 9 | 9 | 9 |
| | 2 | 4 | 4 | 5 | 6 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 7 | 8 | 9 |
| *TOTALS | | | | | | | | | | | | | | | | |

Alimentary System

| | | | | | | | | | | | | | | | | | |
|----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|
| Esophagus | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 47 |
| Gallbladder | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 45 |
| Intestine Large, Cecum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 45 |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | 1 |
| Intestine Large, Colon | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 45 |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | 1 |
| Intestine Large, Rectum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 44 |
| Intestine Small, Duodenum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 45 |
| Intestine Small, Ileum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 45 |
| Lymphoma Malignant | | | | X | | | | | | | | | | | | | 1 |
| Intestine Small, Jejunum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 45 |
| Liver | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 47 |
| Hemangiosarcoma | | | | | | | | | | | X | | | | | | 2 |
| Hepatocellular Adenoma, Multiple | | | | | | | | | | | | | | X | X | X | 5 |
| Histiocytic Sarcoma | | | | | | | | | | | | | | | X | | 2 |
| Lymphoma Malignant | | | | X | | | | | | | | | | | | | 7 |
| Osteosarcoma, Metastatic, Bone | | | | | | | | | | | | | | | | | 1 |
| Mesentery | + | | | | | | | | | + | | | | | | | 5 |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | 1 |
| Sarcoma | X | | | | | | | | | | | | | | | | 1 |
| Pancreas | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 45 |

* ..Total animals with tissue examined microscopically; Total animals with tumor

+ ..Tissue examined microscopically

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I ..Insufficient tissue

M ..Missing tissue

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|--|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------|---------|
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | |
| | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | | |
| | 6 | 3 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | | |
| | 5 | 6 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | | |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | |
| | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | |
| | 9 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | |
| | 9 | 0 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 6 | 6 | 6 | 6 | 9 | 9 | 9 | | |
| | 2 | 4 | 4 | 5 | 6 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 7 | 8 | 9 | | |
| | | | | | | | | | | | | | | | | | | *TOTALS |
| Lymphoma Malignant | | | | | X | | | | | | | | | | | | | 3 |
| Sarcoma | X | | | | | | | | | | | | | | | | | 1 |
| Salivary Glands | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | 47 |
| Lymphoma Malignant | | | | | X | | | | | | | | | | | | | 4 |
| Stomach, Forestomach | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | 46 |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | | 1 |
| Squamous Cell Papilloma | | X | | | X | | | | | | | | | X | | | | 4 |
| Stomach, Glandular | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | 46 |
| Lymphoma Malignant | | | | | X | | | | | | | | | | | | | 2 |
| Tongue | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | 47 |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | | 1 |
| Cardiovascular System | | | | | | | | | | | | | | | | | | |
| Blood Vessel | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | 47 |
| Heart | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | 47 |
| Histiocytic Sarcoma | | | | | | | | | | | | | | | | | | 1 |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | | 1 |
| Endocrine System | | | | | | | | | | | | | | | | | | |
| Adrenal Gland, Cortex | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | 47 |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | | 3 |
| Subcapsular, Adenoma | X | | | | | | | | | | | | | | | | | 1 |
| Adrenal Gland, Medulla | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | 47 |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | | 1 |

* ..Total animals with tissue examined microscopically; Total animals with tumor

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|--|--|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---------|
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | |
| | | 6 | 3 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | |
| ANIMAL ID | | 5 | 6 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | |
| | | 9 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | |
| | | 9 | 0 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 6 | 6 | 6 | 6 | 9 | 9 | 9 | |
| | | 2 | 4 | 4 | 5 | 6 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 7 | 8 | 9 | *TOTALS |
| Pheochromocytoma Benign | | | | | | | | | | | | | | | | | | 1 |
| Islets, Pancreatic | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 45 |
| Adenoma | | | | | | | | | | | | | | | | | | 1 |
| Parathyroid Gland | | + | + | + | + | M | + | + | + | M | + | + | M | + | + | + | M | 37 |
| Pituitary Gland | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 41 |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | | 1 |
| Pars Distalis, Adenoma | | | | | | | | | | | | | | | | | | 2 |
| Thyroid Gland | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 47 |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | | 1 |
| General Body System | | | | | | | | | | | | | | | | | | |
| Tissue NOS | | + | | | | | | | | | | | | | | | | 1 |
| Abdominal, Sarcoma | | X | | | | | | | | | | | | | | | | 1 |
| Genital System | | | | | | | | | | | | | | | | | | |
| Clitoral Gland | | + | + | M | + | + | + | + | M | + | + | + | + | + | + | M | + | 40 |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | | 1 |
| Ovary | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 46 |
| Cystadenoma | | | | | | | | | | | | | | | | | | 2 |
| Histiocytic Sarcoma | | | | | | | | | | | | | | | | | | 1 |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | | 4 |
| Uterus | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 47 |
| Histiocytic Sarcoma | | | | | | | | | | | | | | | | | | 1 |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | | 1 |

* ..Total animals with tissue examined microscopically; Total animals with tumor

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

BLANK ..Not examined microscopically

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

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Test Compound: Urethane + ethanol (combination)
 CAS Number: URETHCOMB

Date Report Requested: 10/18/2014
 Time Report Requested: 00:19:23
 First Dose M/F: NA / NA
 Lab: NCTR

| B6C3F1/NCTR Mouse Female
2.5%ETH/10PPMURE | DAY ON TEST | | | | | | | | | | | | | | | | ANIMAL ID | |
|--|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------|---------|
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | |
| | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | | |
| | 6 | 3 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | | |
| | 5 | 6 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | | |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | |
| | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | |
| | 9 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | |
| | 9 | 0 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 6 | 6 | 6 | 6 | 9 | 9 | 9 | | |
| | 2 | 4 | 4 | 5 | 6 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 7 | 8 | 9 | | |
| | | | | | | | | | | | | | | | | | | *TOTALS |
| Vagina | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | 47 |
| Histiocytic Sarcoma | | | | | | | | | | | | | | | | | | 1 |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | | 1 |
| Hematopoietic System | | | | | | | | | | | | | | | | | | |
| Bone Marrow | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | 46 |
| Histiocytic Sarcoma | | | | | | | | | | | | | | | | | | 1 |
| Lymph Node | | | | | + | | | | | | | | + | | | + | | 8 |
| Axillary, Lymphoma Malignant | | | | | X | | | | | | | | | | | | | 1 |
| Lumbar, Histiocytic Sarcoma | | | | | | | | | | | | | | | | | | 1 |
| Lumbar, Lymphoma Malignant | | | | | | | | | | | | | | | | | | 2 |
| Renal, Lymphoma Malignant | | | | | | | | | | | | | | | | | | 2 |
| Thoracic, Lymphoma Malignant | | | | | X | | | | | | | | | | | X | | 3 |
| Lymph Node, Mandibular | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | 44 |
| Histiocytic Sarcoma | | | | | | | | | | | | | | | | X | | 2 |
| Lymphoma Malignant | | | | | X | | | | | | | | | | | | | 4 |
| Lymph Node, Mesenteric | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | | 42 |
| Histiocytic Sarcoma | | | | | | | | | | | | | | | | | | 1 |
| Lymphoma Malignant | | | | X | X | | | | | | | | | | | | | 6 |
| Spleen | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | 46 |
| Hemangioma | | | | | | | | | | | | | | | | | | 1 |
| Histiocytic Sarcoma | | | | | | | | | | | | | | | | X | | 2 |
| Lymphoma Malignant | | | | | X | | | | | | | | | | | | X | 8 |

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

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

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

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Test Compound: Urethane + ethanol (combination)
 CAS Number: URETHCOMB

Date Report Requested: 10/18/2014
 Time Report Requested: 00:19:23
 First Dose M/F: NA / NA
 Lab: NCTR

| B6C3F1/NCTR Mouse Female
2.5%ETH/10PPMURE | DAY ON TEST | | | | | | | | | | | | | | | | ANIMAL ID | | |
|--|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------|--|----|
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | |
| | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | | | |
| | 6 | 3 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | | | |
| | 5 | 6 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | | | |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | |
| | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | | |
| | 9 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | | |
| | 9 | 0 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 6 | 6 | 6 | 6 | 9 | 9 | 9 | | | |
| | 2 | 4 | 4 | 5 | 6 | 1 | 2 | 3 | 3 | 4 | 1 | 2 | 3 | 4 | 7 | 8 | | | |
| | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | |
| Thymus | + | + | + | + | + | + | + | + | + | + | + | + | M | + | M | M | + | | 40 |
| Lymphoma Malignant | | | | | X | | | | | | | | | | | | X | | 5 |
| Integumentary System | | | | | | | | | | | | | | | | | | | |
| Mammary Gland | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | | | 45 |
| Adenocarcinoma | | | | | | | | | | | | | X | X | | | | | 3 |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | | | 1 |
| Skin | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | 47 |
| Sarcoma | | | | | | X | | | | | | | | | | | | | 1 |
| Musculoskeletal System | | | | | | | | | | | | | | | | | | | |
| Bone | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | 47 |
| Right, Osteosarcoma | | | | | | | | | | | | | | | | | | | 1 |
| Skeletal Muscle | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | 47 |
| Lymphoma Malignant | | | | | X | | | | | | | | | | | | | | 2 |
| Nervous System | | | | | | | | | | | | | | | | | | | |
| Brain, Cerebellum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | 46 |
| Brain, Cerebrum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | 47 |
| Peripheral Nerve | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | 46 |
| Spinal Cord, Thoracic | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | 47 |
| Respiratory System | | | | | | | | | | | | | | | | | | | |
| Larynx | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | 46 |
| Lung | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | 47 |

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

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

Experiment Number: 00602-05

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Mouse/B6C3F1/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/18/2014

Time Report Requested: 00:19:23

First Dose M/F: NA / NA

Lab: NCTR

| | | DAY ON TEST | | | | | | | | | | | | | | | | ANIMAL ID | |
|--|--|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|-----------|--|
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | |
| | | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | | |
| | | 6 | 3 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | | |
| | | 5 | 6 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | | |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | |
| | | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | |
| | | 9 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | |
| | | 9 | 0 | 3 | 3 | 3 | 3 | 3 | 3 | 6 | 6 | 6 | 6 | 9 | 9 | 9 | 9 | | |
| | | 2 | 4 | 4 | 5 | 6 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 7 | 8 | 9 | | |
| | | | | | | | | | | | | | | | | | | *TOTALS | |
| Alveolar/Bronchiolar Adenoma | | X | | | | | | | | | | | | | | | | 7 | |
| Alveolar/Bronchiolar Adenoma, Multiple | | | | | | | | | | | | | | | | | | 3 | |
| Alveolar/Bronchiolar Carcinoma | | X | | | | | | | | | | | | | | | | 2 | |
| Carcinoma, Metastatic, Zymbal'S Gland | | | | | | | | | | | | | | | | | | 1 | |
| Histiocytic Sarcoma | | | | | | | | | | | | | | | | | | 2 | |
| Lymphoma Malignant | | X | | | | | | | | | | | | | | | | 6 | |
| Osteosarcoma, Metastatic, Bone | | | | | | | | | | | | | | | | | | 1 | |
| Nose | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 47 | | |
| Trachea | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 47 | | |
| Special Senses System | | | | | | | | | | | | | | | | | | | |
| Eye | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 45 | | |
| Harderian Gland | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 47 | | |
| Adenoma | | | | | | | | | | | | | | | | | | 3 | |
| Carcinoma | | X | | | | | | | | | | | | | | | | 3 | |
| Lacrimal Gland | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | 45 | | |
| Lymphoma Malignant | | X | | | | | | | | | | | | | | | | 3 | |
| Zymbal's Gland | | + | + | + | + | + | M | + | + | + | + | + | + | M | + | + | 43 | | |
| Carcinoma | | | | | | | | | | | | | | | | | | 1 | |
| Urinary System | | | | | | | | | | | | | | | | | | | |
| Kidney | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 47 | | |
| Histiocytic Sarcoma | | | | | | | | | | | | | | | | | | 1 | |
| Lymphoma Malignant | | X | | | | | | | | | | | | | | | | 6 | |

* ..Total animals with tissue examined microscopically; Total animals with tumor

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

BLANK ..Not examined microscopically

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

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Test Compound: Urethane + ethanol (combination)
 CAS Number: URETHCOMB

Date Report Requested: 10/18/2014
 Time Report Requested: 00:19:23
 First Dose M/F: NA / NA
 Lab: NCTR

| B6C3F1/NCTR Mouse Female
2.5%ETH/10PPMURE | DAY ON TEST | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | ANIMAL ID | | |
|--|-------------|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------|---------|----|
| | | | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | | | |
| | | | 6 | 3 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | | | |
| | | | 5 | 6 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | | | |
| | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | |
| | | | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | | |
| | | | 9 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | | |
| | | | 9 | 0 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 6 | 6 | 6 | 6 | 9 | 9 | 9 | | | |
| | | | 2 | 4 | 4 | 5 | 6 | 1 | 2 | 3 | 3 | 4 | 1 | 2 | 3 | 4 | 7 | 8 | 9 | | |
| | | | | | | | | | | | | | | | | | | | | *TOTALS | |
| Sarcoma | | | X | | | | | | | | | | | | | | | | | | 1 |
| Urinary Bladder | | | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | | | 43 |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | | | | | 1 |
| SYSTEMIC LESIONS | | | | | | | | | | | | | | | | | | | | | |
| Multiple Organ | | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | 47 |
| Histiocytic Sarcoma | | | | | | | | | | | | | | | | | | X | | | 2 |
| Lymphoma Malignant | | | | | | X | X | | | | | | | | | | | | X | | 10 |

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

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

Experiment Number: 00602-05

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Mouse/B6C3F1/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/18/2014

Time Report Requested: 00:19:23

First Dose M/F: NA / NA

Lab: NCTR

| | |
|--|-------------|
| B6C3F1/NCTR Mouse Female
2.5%ETH/30PPMURE | DAY ON TEST | 0 |
| | | 3 | 3 | 4 | 5 | 4 | 5 | 5 | 6 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 7 | 7 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 6 | 7 | 6 | 7 |
| | | 0 | 5 | 6 | 5 | 9 | 8 | 9 | 0 | 9 | 0 | 1 | 5 | 3 | 7 | 9 | 4 | 4 | 9 | 4 | 3 | 1 | 9 | 8 | 9 | 0 | 1 | 6 | 6 | 8 | 6 | 6 |
| | | 6 | 3 | 8 | 1 | 3 | 4 | 3 | 0 | 4 | 7 | 4 | 4 | 6 | 7 | 6 | 0 | 0 | 8 | 1 | 3 | 2 | 0 | 9 | 6 | 3 | 8 | 2 | 6 | 1 | 5 | 5 |
| | ANIMAL ID | 0 |
| | 0 | 0 |
| | 0 | 0 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | 5 | 5 | 6 | 6 | 6 |
| | 7 | 8 | 4 | 5 | 7 | 2 | 4 | 5 | 5 | 6 | 7 | 8 | 9 | 3 | 4 | 6 | 9 | 0 | 1 | 2 | 3 | 5 | 6 | 8 | 8 | 9 | 0 | 4 | 9 | 0 | 1 | 1 |
| | 9 | 4 | 2 | 9 | 1 | 5 | 8 | 4 | 8 | 9 | 0 | 1 | 7 | 5 | 2 | 9 | 0 | 8 | 8 | 4 | 6 | 2 | 7 | 8 | 9 | 4 | 6 | 9 | 8 | 9 | 0 | 0 |

Alimentary System

| |
|-------------------------------------|
| Esophagus | + | M | + | + | + | + | + | + | + | + | + | + |
| Gallbladder | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + |
| Lymphoma Malignant | | | | | | | | | | | | | | X | | | | | | | | | | | | | | | | | | |
| Intestine Large, Cecum | + | A | + | + | + | + | + | + | + | + | + | + |
| Lymphoma Malignant | | | | | | | | | | | | | | X | | | | | | | | | | | | | | | | | | |
| Intestine Large, Colon | + | A | + | + | + | + | + | + | + | + | + | + |
| Intestine Large, Rectum | + | A | + | + | + | + | + | + | + | + | + | + |
| Intestine Small, Duodenum | + | A | + | + | + | + | + | + | + | + | + | + |
| Intestine Small, Ileum | + | A | + | + | + | + | + | + | + | + | + | + |
| Lymphoma Malignant |
| Intestine Small, Jejunum | + | A | + | + | + | + | + | + | + | + | + | + |
| Lymphoma Malignant | X | | | | | | | | | |
| Sarcoma Stromal, Metastatic, Uterus | | | | | | | | | | | | | | | | | X | | | | | | | | | | | | | | | |
| Sarcoma, Metastatic, Skin | X | | | | | | | |
| Liver | + | A | + | + | + | + | + | + | + | + | + | + |
| Hepatocellular Adenoma | | | | | | | | | | X | | | | | | | | | | | | | | X | | | | | | | X | |
| Hepatocellular Adenoma, Multiple |
| Hepatocellular Carcinoma | | | | | | X | |
| Histiocytic Sarcoma | | | | | | | | | | | | X | |
| Lymphoma Malignant | | | | | | | | X | X | | | | | X | X | | | | | | | | X | | | | | | | | | |
| Osteosarcoma, Metastatic, Bone | | | X | |

* ..Total animals with tissue examined microscopically; Total animals with tumor

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

BLANK ..Not examined microscopically

Experiment Number: 00602-05

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Mouse/B6C3F1/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/18/2014

Time Report Requested: 00:19:24

First Dose M/F: NA / NA

Lab: NCTR

| B6C3F1/NCTR Mouse Female
2.5%ETH/30PPMURE | DAY ON TEST | |
|--|-------------|
| | 0 | 0 |
| | 3 | 3 | 4 | 5 | 4 | 5 | 5 | 6 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 7 | 7 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 6 |
| ANIMAL ID | 0 | 5 | 6 | 5 | 9 | 8 | 9 | 0 | 9 | 0 | 1 | 5 | 3 | 7 | 9 | 4 | 4 | 9 | 4 | 3 | 1 | 9 | 8 | 9 | 0 | 1 | 6 | 6 |
| | 6 | 3 | 8 | 1 | 3 | 4 | 3 | 0 | 4 | 7 | 4 | 4 | 6 | 7 | 6 | 0 | 0 | 8 | 1 | 3 | 2 | 0 | 9 | 6 | 3 | 8 | 2 | 6 |
| | 0 | 0 |
| Sarcoma Stromal, Metastatic, Uterus | 0 | 0 |
| Sarcoma, Metastatic, Skin | 0 | 0 |
| Mesentery | 0 | 0 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | 5 | 5 |
| Lymphoma Malignant | 7 | 8 | 4 | 5 | 7 | 2 | 4 | 5 | 5 | 6 | 7 | 8 | 9 | 3 | 4 | 6 | 9 | 0 | 1 | 2 | 3 | 5 | 6 | 8 | 8 | 9 | 0 | 1 |
| Pancreas | 9 | 4 | 2 | 9 | 1 | 5 | 8 | 4 | 8 | 9 | 0 | 1 | 7 | 5 | 2 | 9 | 0 | 8 | 8 | 4 | 2 | 7 | 8 | 9 | 4 | 6 | 9 | 0 |
| Lymphoma Malignant | |
| Sarcoma Stromal, Metastatic, Uterus | |
| Sarcoma, Metastatic, Skin | |
| Salivary Glands | |
| Lymphoma Malignant | |
| Stomach, Forestomach | |
| Sarcoma Stromal, Metastatic, Uterus | |
| Stomach, Glandular | |
| Tongue | |
| Cardiovascular System | |
| Blood Vessel | |
| Heart | |
| Lymphoma Malignant | |
| Endocrine System | |
| Adrenal Gland, Cortex | |
| Lymphoma Malignant | |
| Osteosarcoma, Metastatic, Bone | |

* ..Total animals with tissue examined microscopically; Total animals with tumor

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

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Experiment Number: 00602-05

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Mouse/B6C3F1/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/18/2014

Time Report Requested: 00:19:24

First Dose M/F: NA / NA

Lab: NCTR

| B6C3F1/NCTR Mouse Female
2.5%ETH/30PPMURE | DAY ON TEST | |
|--|-------------|
| | 0 | 0 |
| | 3 | 3 | 4 | 5 | 4 | 5 | 5 | 6 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 7 | 7 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 7 |
| | 0 | 5 | 6 | 5 | 9 | 8 | 9 | 0 | 9 | 0 | 1 | 5 | 3 | 7 | 9 | 4 | 4 | 9 | 4 | 3 | 1 | 9 | 8 | 9 | 0 | 1 | 6 | 6 |
| ANIMAL ID | 6 | 3 | 8 | 1 | 3 | 4 | 3 | 0 | 4 | 7 | 4 | 4 | 6 | 7 | 6 | 0 | 0 | 8 | 1 | 3 | 2 | 0 | 9 | 6 | 3 | 8 | 2 | 6 |
| | 0 | 0 |
| | 0 | 0 |
| | 0 | 0 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | 5 | 5 |
| | 7 | 8 | 4 | 5 | 7 | 2 | 4 | 5 | 5 | 6 | 7 | 8 | 9 | 3 | 4 | 6 | 9 | 0 | 1 | 2 | 3 | 5 | 6 | 8 | 8 | 9 | 0 | 4 |
| | 9 | 4 | 2 | 9 | 1 | 5 | 8 | 4 | 8 | 9 | 0 | 1 | 7 | 5 | 2 | 9 | 0 | 8 | 8 | 4 | 6 | 2 | 7 | 8 | 9 | 4 | 6 | 9 |
| Sarcoma Stromal, Metastatic, Uterus | |
| Adrenal Gland, Medulla | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | A | + | + | + | + | + | + |
| Pheochromocytoma Malignant | |
| Islets, Pancreatic | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + |
| Adenoma | |
| Lymphoma Malignant | |
| Parathyroid Gland | + | + | + | + | + | + | + | + | M | + | M | M | + | + | M | + | M | + | M | + | + | + | M | M | + | + | + | + |
| Lymphoma Malignant | |
| Pituitary Gland | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | M | + | + | + | + |
| Meningioma Malignant, Metastatic, Brain | |
| Pars Distalis, Adenoma | |
| Thyroid Gland | + | + | M | + | + | + | + | + |
| Follicular Cel, Adenoma | |
| General Body System | |
| Tissue NOS | + |
| Genital System | |
| Clitoral Gland | + | M | + | + | + | + | + | + | + | + | M | M | + | M | + | M | + | M | M | M | M | + | + | M | + | + | + | + |
| Ovary | + | + | + | A | + |
| Granulosa Cell Tumor Benign | |
| Hemangiosarcoma | |
| Histiocytic Sarcoma | |
| Lymphoma Malignant | |

* ..Total animals with tissue examined microscopically; Total animals with tumor

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

BLANK ..Not examined microscopically

Experiment Number: 00602-05

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Mouse/B6C3F1/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/18/2014

Time Report Requested: 00:19:25

First Dose M/F: NA / NA

Lab: NCTR

| B6C3F1/NCTR Mouse Female
2.5%ETH/30PPMURE | DAY ON TEST | |
|---|-------------|
| | 0 | 0 |
| | 3 | 3 | 4 | 5 | 4 | 5 | 5 | 6 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 7 | 7 | 6 | 6 | 6 | 7 | 7 | 7 | 7 |
| | 0 | 5 | 6 | 5 | 9 | 8 | 9 | 0 | 9 | 0 | 1 | 5 | 3 | 7 | 9 | 4 | 4 | 9 | 4 | 3 | 1 | 9 | 8 | 9 | 0 | 1 | 6 | 6 |
| ANIMAL ID | 6 | 3 | 8 | 1 | 3 | 4 | 3 | 0 | 4 | 7 | 4 | 4 | 6 | 7 | 6 | 0 | 0 | 8 | 1 | 3 | 2 | 0 | 9 | 6 | 3 | 8 | 2 | 6 |
| | 0 | 0 |
| | 0 | 0 |
| | 0 | 0 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | 5 | 5 |
| | 7 | 8 | 4 | 5 | 7 | 2 | 4 | 5 | 5 | 6 | 7 | 8 | 9 | 3 | 4 | 6 | 9 | 0 | 1 | 2 | 3 | 5 | 6 | 8 | 8 | 9 | 0 | 4 |
| | 9 | 4 | 2 | 9 | 1 | 5 | 8 | 4 | 8 | 9 | 0 | 1 | 7 | 5 | 2 | 9 | 0 | 8 | 8 | 4 | 6 | 2 | 7 | 8 | 9 | 4 | 6 | 9 |
| Uterus | + | + |
| Hemangioma | |
| Hemangiosarcoma | | X | | | |
| Histiocytic Sarcoma | | | | | | | | | | X | | | | | | | | | | | | | | | X | | | |
| Lymphoma Malignant | | | | | | | | | X | | | | X | | | | | | | | | | | | | | | |
| Polyp Stromal | | X |
| Sarcoma Stromal | | | | | | | | | | | | | | | | | X | | | | | | | | | | | |
| Vagina | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Sarcoma Stromal, Metastatic, Uterus | | | | | | | | | | | | | | | | | X | | | | | | | | | | | |
| Hematopoietic System | |
| Bone Marrow | + | + |
| Histiocytic Sarcoma | |
| Lymph Node | | | | + | | | | | | + | | + | | + | | + | | | | | | | + | + | | | | |
| Hemal, Lymphoma Malignant | | | | | | | | | | X | | | | | | | | | | | | | | | | | | |
| Lumbar, Histiocytic Sarcoma | | | | | | | | | | X | | | | | | | | | | | | | | | | | | |
| Lumbar, Lymphoma Malignant | | | | | | | | | | | | | X | | | | | | | | | | | | | | | |
| Lumbar, Sarcoma Stromal, Metastatic, Uterus | | | | | | | | | | | | | | | | | X | | | | | | | | | | | |
| Renal, Lymphoma Malignant | | | | | | | | | | | | X | | X | | | | | | | | | X | | | | | |
| Renal, Sarcoma Stromal, Metastatic, Uterus | | | | | | | | | | | | | | | | | X | | | | | | | | | | | |
| Thoracic, Lymphoma Malignant | | | | | | | | | | | | | | X | | | | | | | | | | | | | | |
| Thoracic, Sarcoma Stromal, Metastatic, Uterus | | | | | | | | | | | | | | | | | X | | | | | | | | | | | |

* ..Total animals with tissue examined microscopically; Total animals with tumor

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

BLANK ..Not examined microscopically

Experiment Number: 00602-05

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Mouse/B6C3F1/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/18/2014

Time Report Requested: 00:19:25

First Dose M/F: NA / NA

Lab: NCTR

| B6C3F1/NCTR Mouse Female
2.5%ETH/30PPMURE | DAY ON TEST | |
|--|-------------|
| | 0 | 0 |
| | 3 | 3 | 4 | 5 | 4 | 5 | 5 | 6 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 7 | 7 | 6 | 6 | 6 | 7 | 7 | 7 | 7 |
| | 0 | 5 | 6 | 5 | 9 | 8 | 9 | 0 | 9 | 0 | 1 | 5 | 3 | 7 | 9 | 4 | 4 | 9 | 4 | 3 | 1 | 9 | 8 | 9 | 0 | 1 | 6 | 6 |
| ANIMAL ID | 6 | 3 | 8 | 1 | 3 | 4 | 3 | 0 | 4 | 7 | 4 | 4 | 6 | 7 | 6 | 0 | 0 | 8 | 1 | 3 | 2 | 0 | 9 | 6 | 3 | 8 | 2 | 6 |
| | 0 | 0 |
| | 0 | 0 |
| | 0 | 0 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | 5 | 5 |
| | 7 | 8 | 4 | 5 | 7 | 2 | 4 | 5 | 5 | 6 | 7 | 8 | 9 | 3 | 4 | 6 | 9 | 0 | 1 | 2 | 3 | 5 | 6 | 8 | 8 | 9 | 0 | 4 |
| | 9 | 4 | 2 | 9 | 1 | 5 | 8 | 4 | 8 | 9 | 0 | 1 | 7 | 5 | 2 | 9 | 0 | 8 | 8 | 4 | 6 | 2 | 7 | 8 | 9 | 4 | 6 | 9 |
| Lymph Node, Mandibular | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | M | + | + | A | M | + | + | M | + |
| Histiocytic Sarcoma | |
| Lymphoma Malignant | | | | | | | | X | X | | | X | | X | | | | | | | | | | | | | | |
| Lymph Node, Mesenteric | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | M | A | A | + | + | + | + | + |
| Histiocytic Sarcoma | |
| Lymphoma Malignant | | | | | | | | X | | X | | X | | X | | | | | | | | | | | | | | X |
| Sarcoma Stromal, Metastatic, Uterus | | | | | | | | | | | | | | | | | X | | | | | | | | | | | |
| Spleen | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + |
| Histiocytic Sarcoma | |
| Lymphoma Malignant | | | | | | | X | X | | X | | X | | X | | | | | | | | | X | | | | | |
| Sarcoma Stromal, Metastatic, Uterus | | | | | | | | | | | | | | | | | X | | | | | | | | | | | |
| Thymus | + | + | M | A | M | M | M | + | M | + | + | + | + | + | + | + | + | + | M | + | + | + | + | M | + | + | M | + |
| Alveolar/Bronchiolar Carcinoma, Metastatic, Lung | | | | | | | | | | | | | | | | | X | | | | | | | | | | | |
| Histiocytic Sarcoma | |
| Lymphoma Malignant | | | | | | | | X | | X | | X | | X | | | | | | | | | X | | | | | X |
| Integumentary System | |
| Mammary Gland | + | + |
| Adenoacanthoma | | X | | | | | |
| Adenocarcinoma | | | | | | | | | | | X | X | | | X | | X | | X | | | | | X | | X | | |
| Skin | + | + |
| Hemangioma | |

* ..Total animals with tissue examined microscopically; Total animals with tumor

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

BLANK ..Not examined microscopically

Experiment Number: 00602-05

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Mouse/B6C3F1/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/18/2014

Time Report Requested: 00:19:25

First Dose M/F: NA / NA

Lab: NCTR

| B6C3F1/NCTR Mouse Female
2.5%ETH/30PPMURE | DAY ON TEST | |
|--|-------------|
| | 0 | 0 |
| | 3 | 3 | 4 | 5 | 4 | 5 | 5 | 6 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 7 | 7 | 6 | 6 | 6 | 7 | 7 | 7 | 7 |
| | 0 | 5 | 6 | 5 | 9 | 8 | 9 | 0 | 9 | 0 | 1 | 5 | 3 | 7 | 9 | 4 | 4 | 9 | 4 | 3 | 1 | 9 | 8 | 9 | 0 | 1 | 6 | 6 |
| ANIMAL ID | 6 | 3 | 8 | 1 | 3 | 4 | 3 | 0 | 4 | 7 | 4 | 4 | 6 | 7 | 6 | 0 | 0 | 8 | 1 | 3 | 2 | 0 | 9 | 6 | 3 | 8 | 2 | 6 |
| | 0 | 0 |
| | 0 | 0 |
| | 0 | 0 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | 5 | 5 |
| | 7 | 8 | 4 | 5 | 7 | 2 | 4 | 5 | 5 | 6 | 7 | 8 | 9 | 3 | 4 | 6 | 9 | 0 | 1 | 2 | 3 | 5 | 6 | 8 | 8 | 9 | 0 | 1 |
| | 9 | 4 | 2 | 9 | 1 | 5 | 8 | 4 | 8 | 9 | 0 | 1 | 7 | 5 | 2 | 9 | 0 | 8 | 8 | 4 | 4 | 2 | 7 | 8 | 9 | 4 | 6 | 9 |
| Alveolar/Bronchiolar Adenoma | X | | | | | | | | | | | | | | | X | | | | | X | | | | X | X | X | X |
| Alveolar/Bronchiolar Adenoma, Multiple | | | | | | | | | X | | | | | | | | | | | | X | | | | | | | X |
| Alveolar/Bronchiolar Carcinoma | | X | | | | | | |
| Alveolar/Bronchiolar Carcinoma, Multiple | | | | | | | | | | | | | | | | X | | | | | | | | | | | | |
| Carcinoma, Metastatic, Mammary Gland | | X | | | | | | | |
| Hepatocellular Carcinoma, Metastatic, Liver | | | | | | X | |
| Histiocytic Sarcoma | |
| Lymphoma Malignant | | | | | | | | | | | | X | | X | | | | | | | | X | | | | | | |
| Osteosarcoma, Metastatic, Bone | | | X | |
| Sarcoma, Metastatic, Skin | | X | | |
| Nose | + | + |
| Trachea | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | M | + | + | + | + | + |
| Special Senses System | |
| Eye | + | + |
| Harderian Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | M | + | + | + | + | + | + | + | + | + | + |
| Adenoma | | | | | | | | | | X | | | | | | | X | | | X | X | | | | X | | X | |
| Carcinoma | | | | | | X | | | | | | | | | | | | | | | | | | X | | | X | |
| Lymphoma Malignant | | | | | | | | | | | | | | X | | | | | | | | | | | | | X | |
| Lacrimal Gland | + | + | + | + | + | + | + | M | + | M | M | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Lymphoma Malignant | | | | | | | | | | | X | | | | | | | | | | | | | | | | | |
| Zymbal's Gland | + | + | + | + | + | + | + | + | + | + | + | + | M | + | M | + | + | M | + | + | + | M | M | + | + | + | + | + |
| Urinary System | |

* ..Total animals with tissue examined microscopically; Total animals with tumor

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

BLANK ..Not examined microscopically

Experiment Number: 00602-05

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Mouse/B6C3F1/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/18/2014

Time Report Requested: 00:19:26

First Dose M/F: NA / NA

Lab: NCTR

| B6C3F1/NCTR Mouse Female
2.5%ETH/30PPMURE | DAY ON TEST | |
|--|-------------|
| | 0 | 0 |
| | 3 | 3 | 4 | 5 | 4 | 5 | 5 | 6 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 7 | 7 | 6 | 6 | 6 | 7 | 7 | 7 | 7 |
| | 0 | 5 | 6 | 5 | 9 | 8 | 9 | 0 | 9 | 0 | 1 | 5 | 3 | 7 | 9 | 4 | 4 | 9 | 4 | 3 | 1 | 9 | 8 | 9 | 0 | 1 | 6 | 6 |
| ANIMAL ID | 6 | 3 | 8 | 1 | 3 | 4 | 3 | 0 | 4 | 7 | 4 | 4 | 6 | 7 | 6 | 0 | 0 | 8 | 1 | 3 | 2 | 0 | 9 | 6 | 3 | 8 | 2 | 6 |
| | 0 | 0 |
| | 0 | 0 |
| | 0 | 0 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | 5 | 5 |
| | 7 | 8 | 4 | 5 | 7 | 2 | 4 | 5 | 5 | 6 | 7 | 8 | 9 | 3 | 4 | 6 | 9 | 0 | 1 | 2 | 3 | 5 | 6 | 8 | 8 | 9 | 0 | 4 |
| | 9 | 4 | 2 | 9 | 1 | 5 | 8 | 4 | 8 | 9 | 0 | 1 | 7 | 5 | 2 | 9 | 0 | 8 | 8 | 4 | 6 | 2 | 7 | 8 | 9 | 4 | 6 | 9 |
| Kidney | + | + |
| Lymphoma Malignant | | | | | | | | | X | | | | | X | | | | | | | | X | | | | | | |
| Osteosarcoma, Metastatic, Bone | | | | X | |
| Sarcoma, Metastatic, Skin | | | | | | | | | | | | | X | | | | | | | | | | | | | | | |
| Urinary Bladder | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + |
| Lymphoma Malignant | | | | | | | | | X | | | | X | | X | | | | | | | | | | | | | |
| SYSTEMIC LESIONS | |
| Multiple Organ | + | + |
| Histiocytic Sarcoma | | | | | | | | | | | X | | | | | | | | | | | | | | X | | | |
| Lymphoma Malignant | | | | | | | X | X | | X | | X | | X | | | | | | | | X | | | | | | X |

* ..Total animals with tissue examined microscopically; Total animals with tumor

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

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Experiment Number: 00602-05

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Mouse/B6C3F1/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/18/2014

Time Report Requested: 00:19:26

First Dose M/F: NA / NA

Lab: NCTR

| B6C3F1/NCTR Mouse Female
2.5%ETH/30PPMURE | DAY ON TEST | | | | | | | | | | | | | | | |
|--|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ANIMAL ID | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 3 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 8 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | 6 | 6 | 6 | 7 | 7 | 9 | 9 | 9 | 9 | 0 | 0 | 0 | 0 | 1 | 2 | 2 |
| | 5 | 5 | 6 | 2 | 9 | 2 | 3 | 8 | 8 | 4 | 8 | 8 | 8 | 4 | 0 | 0 |
| | 8 | 9 | 0 | 3 | 2 | 5 | 6 | 9 | 0 | 1 | 0 | 4 | 5 | 6 | 0 | 8 |
| *TOTALS | | | | | | | | | | | | | | | | |

Alimentary System

| | | | | | | | | | | | | | | | | | |
|-------------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|
| Esophagus | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 47 |
| Gallbladder | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 46 |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | 1 |
| Intestine Large, Cecum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 47 |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | 1 |
| Intestine Large, Colon | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 47 |
| Intestine Large, Rectum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 47 |
| Intestine Small, Duodenum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 47 |
| Intestine Small, Ileum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 47 |
| Lymphoma Malignant | | | | X | | | | | | | | | | | | | 1 |
| Intestine Small, Jejunum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 47 |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | 1 |
| Sarcoma Stromal, Metastatic, Uterus | | | | | | | | | | | | | | | | | 1 |
| Sarcoma, Metastatic, Skin | | | | | | | | | | | | | | | | | 1 |
| Liver | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 47 |
| Hepatocellular Adenoma | X | | | | X | | | | | X | | | | | | | 6 |
| Hepatocellular Adenoma, Multiple | | X | X | X | | X | X | | | X | | X | X | X | | | 9 |
| Hepatocellular Carcinoma | | | X | | | | | | | X | | | | | | | 3 |
| Histiocytic Sarcoma | | | | | | | | X | | | | | | | | | 2 |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | 5 |
| Osteosarcoma, Metastatic, Bone | | | | | | | | | | | | | | | | | 1 |

* ..Total animals with tissue examined microscopically; Total animals with tumor

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

BLANK ..Not examined microscopically

Species/Strain: Mouse/B6C3F1/NCTR

CAS Number: URETHCOMB

Lab: NCTR

| B6C3F1/NCTR Mouse Female
2.5%ETH/30PPMURE | | DAY ON TEST | | | | | | | | | | | | | | | | | *TOTALS |
|--|--|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|---------|
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | |
| | | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 3 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | |
| | | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 8 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | |
| ANIMAL ID | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | |
| | | 6 | 6 | 6 | 7 | 7 | 9 | 9 | 9 | 9 | 9 | 0 | 0 | 0 | 0 | 1 | 2 | 2 | |
| | | 5 | 5 | 6 | 2 | 9 | 2 | 2 | 3 | 8 | 8 | 4 | 8 | 8 | 8 | 4 | 0 | 0 | |
| | | 8 | 9 | 0 | 3 | 2 | 5 | 6 | 9 | 0 | 1 | 0 | 4 | 5 | 6 | 0 | 7 | 8 | |
| Sarcoma Stromal, Metastatic, Uterus | | | | | | | | | | | | | | | | | | | 1 |
| Sarcoma, Metastatic, Skin | | | | | | | | | | | | | | | | | | | 1 |
| Mesentery | | | | | | | | | | | | | | | | | | | 6 |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | | | 1 |
| Pancreas | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 46 | |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | | | 3 |
| Sarcoma Stromal, Metastatic, Uterus | | | | | | | | | | | | | | | | | | | 1 |
| Sarcoma, Metastatic, Skin | | | | | | | | | | | | | | | | | | | 1 |
| Salivary Glands | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 46 | |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | | | 3 |
| Stomach, Forestomach | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 47 | |
| Sarcoma Stromal, Metastatic, Uterus | | | | | | | | | | | | | | | | | | | 1 |
| Stomach, Glandular | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 47 | |
| Tongue | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 | |
| Cardiovascular System | | | | | | | | | | | | | | | | | | | |
| Blood Vessel | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 | |
| Heart | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 | |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | | | 1 |
| Endocrine System | | | | | | | | | | | | | | | | | | | |
| Adrenal Gland, Cortex | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | 46 | |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | | | 1 |
| Osteosarcoma, Metastatic, Bone | | | | | | | | | | | | | | | | | | | 1 |

BLANK ..Not examined microscopically

Experiment Number: 00602-05

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Mouse/B6C3F1/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/18/2014

Time Report Requested: 00:19:26

First Dose M/F: NA / NA

Lab: NCTR

| B6C3F1/NCTR Mouse Female
2.5%ETH/30PPMURE | DAY ON TEST | | | | | | | | | | | | | | | | |
|--|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 3 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| ANIMAL ID | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 8 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | 6 | 6 | 6 | 7 | 7 | 9 | 9 | 9 | 9 | 9 | 0 | 0 | 0 | 0 | 1 | 2 | 2 |
| | 5 | 5 | 6 | 2 | 9 | 2 | 3 | 8 | 8 | 4 | 8 | 8 | 8 | 4 | 0 | 0 | 0 |
| | 8 | 9 | 0 | 3 | 2 | 5 | 6 | 9 | 0 | 1 | 0 | 4 | 5 | 6 | 0 | 7 | 8 |
| | *TOTALS | | | | | | | | | | | | | | | | |
| Sarcoma Stromal, Metastatic, Uterus | | | | | | | | | | | | | | | | | 1 |
| Adrenal Gland, Medulla | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | 45 |
| Pheochromocytoma Malignant | | | | | | | | X | | | | | | | | | 1 |
| Islets, Pancreatic | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 46 |
| Adenoma | | | | | | | | | | | | | | | | | 1 |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | 2 |
| Parathyroid Gland | + | + | + | M | + | + | + | + | + | + | + | M | + | + | + | M | 37 |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | 1 |
| Pituitary Gland | + | + | + | + | + | + | + | M | + | + | M | + | + | + | + | M | 41 |
| Meningioma Malignant, Metastatic, Brain | | | | | | | | | | | | | | | | | 1 |
| Pars Distalis, Adenoma | | | X | | | | | | | | | | | | | | 3 |
| Thyroid Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 45 |
| Follicular Cel, Adenoma | | | | | | | | | | | | | | X | | | 1 |
| General Body System | | | | | | | | | | | | | | | | | |
| Tissue NOS | | | | | | | | | | | | | | | | | 1 |
| Genital System | | | | | | | | | | | | | | | | | |
| Clitoral Gland | + | M | + | M | + | + | + | + | + | + | + | + | + | + | M | I | 34 |
| Ovary | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 47 |
| Granulosa Cell Tumor Benign | | | | | | X | | | X | | | | | | | | 3 |
| Hemangiosarcoma | | | | | | | | | | | | | | | | | 1 |
| Histiocytic Sarcoma | | | | | | | | X | | | | | | | | | 1 |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | 4 |

* ..Total animals with tissue examined microscopically; Total animals with tumor

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

BLANK ..Not examined microscopically

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

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Test Compound: Urethane + ethanol (combination)
 CAS Number: URETHCOMB

Date Report Requested: 10/18/2014
 Time Report Requested: 00:19:27
 First Dose M/F: NA / NA
 Lab: NCTR

| DAY ON TEST | | | | | | | | | | | | | | | | | | |
|---|---------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ANIMAL ID | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 3 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 8 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | 6 | 6 | 6 | 7 | 7 | 9 | 9 | 9 | 9 | 9 | 0 | 0 | 0 | 0 | 1 | 2 | 2 | 2 |
| | 5 | 5 | 6 | 2 | 9 | 2 | 2 | 3 | 8 | 8 | 4 | 8 | 8 | 8 | 4 | 0 | 0 | 0 |
| | 8 | 9 | 0 | 3 | 2 | 5 | 6 | 9 | 0 | 1 | 0 | 4 | 5 | 6 | 0 | 7 | 8 | 8 |
| | *TOTALS | | | | | | | | | | | | | | | | | |
| Uterus | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 |
| Hemangioma | | | | | X | | | | | | | | | | | | | 1 |
| Hemangiosarcoma | | | | | | | | | | | | | | | | | | 1 |
| Histiocytic Sarcoma | | | | | | | | | | | | | | | | | | 2 |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | | 2 |
| Polyp Stromal | | | | | | | | | | | | | | | | | | 1 |
| Sarcoma Stromal | | | | | | | | | | | | | | | | | | 1 |
| Vagina | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 47 |
| Sarcoma Stromal, Metastatic, Uterus | | | | | | | | | | | | | | | | | | 1 |
| Hematopoietic System | | | | | | | | | | | | | | | | | | |
| Bone Marrow | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 |
| Histiocytic Sarcoma | | | | | | | | X | | | | | | | | | | 1 |
| Lymph Node | | + | | + | | | + | | | | | + | | | | | | 11 |
| Hemal, Lymphoma Malignant | | | | | | | | | | | | | | | | | | 1 |
| Lumbar, Histiocytic Sarcoma | | | | | | | | | | | | | | | | | | 1 |
| Lumbar, Lymphoma Malignant | | | | X | | | | | | | | | | | | | | 2 |
| Lumbar, Sarcoma Stromal, Metastatic, Uterus | | | | | | | | | | | | | | | | | | 1 |
| Renal, Lymphoma Malignant | | | | | | | | | | | | | | | | | | 3 |
| Renal, Sarcoma Stromal, Metastatic, Uterus | | | | | | | | | | | | | | | | | | 1 |
| Thoracic, Lymphoma Malignant | | | | | | | X | | | | | | | | | | | 2 |
| Thoracic, Sarcoma Stromal, Metastatic, Uterus | | | | | | | | | | | | | | | | | | 1 |

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

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

Experiment Number: 00602-05

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Mouse/B6C3F1/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/18/2014

Time Report Requested: 00:19:27

First Dose M/F: NA / NA

Lab: NCTR

| B6C3F1/NCTR Mouse Female
2.5%ETH/30PPMURE | DAY ON TEST | | | | | | | | | | | | | | | | | ANIMAL ID | | |
|--|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------|--|----|
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | |
| | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | | | |
| | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 3 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | | | |
| | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 8 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | | | |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | | |
| | 6 | 6 | 6 | 7 | 7 | 9 | 9 | 9 | 9 | 9 | 0 | 0 | 0 | 0 | 1 | 2 | 2 | | | |
| | 5 | 5 | 6 | 2 | 9 | 2 | 2 | 3 | 8 | 8 | 4 | 8 | 8 | 8 | 4 | 0 | 0 | | | |
| | 8 | 9 | 0 | 3 | 2 | 5 | 6 | 9 | 0 | 1 | 0 | 4 | 5 | 6 | 0 | 7 | 8 | | | |
| | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | |
| Lymph Node, Mandibular | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | 43 |
| Histiocytic Sarcoma | | | | | | | | X | | | | | | | | | | | | 1 |
| Lymphoma Malignant | | | | X | | | X | | | | | | | | | | | | | 6 |
| Lymph Node, Mesenteric | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | | | 42 |
| Histiocytic Sarcoma | | | | | | | | X | | | | | | | | | | | | 1 |
| Lymphoma Malignant | X | | | X | | | | | | X | | | | | | | | | | 8 |
| Sarcoma Stromal, Metastatic, Uterus | | | | | | | | | | | | | | | | | | | | 1 |
| Spleen | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | 46 |
| Histiocytic Sarcoma | | | | | | | | X | | | | | | | | | | | | 1 |
| Lymphoma Malignant | | | | X | | | X | | | | | | | | | | | | | 8 |
| Sarcoma Stromal, Metastatic, Uterus | | | | | | | | | | | | | | | | | | | | 1 |
| Thymus | + | M | M | + | + | + | + | + | M | + | + | + | + | M | + | M | + | | | 34 |
| Alveolar/Bronchiolar Carcinoma, Metastatic, Lung | | | | | | | | | | | | | | | | | | | | 1 |
| Histiocytic Sarcoma | | | | | | | | X | | | | | | | | | | | | 1 |
| Lymphoma Malignant | | | | | | | X | | | | | | | | | | | | | 7 |
| Integumentary System | | | | | | | | | | | | | | | | | | | | |
| Mammary Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | 48 |
| Adenoacanthoma | | | X | | | | | | | | | | | | | | | | | 2 |
| Adenocarcinoma | | | X | | | X | | | | | X | | | | X | | | | | 11 |
| Skin | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | 48 |
| Hemangioma | | | | X | | | | | | | | | | | | | | | | 1 |

* ..Total animals with tissue examined microscopically; Total animals with tumor

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

BLANK ..Not examined microscopically

Experiment Number: 00602-05

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Mouse/B6C3F1/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/18/2014

Time Report Requested: 00:19:27

First Dose M/F: NA / NA

Lab: NCTR

| B6C3F1/NCTR Mouse Female
2.5%ETH/30PPMURE | DAY ON TEST | | | | | | | | | | | | | | | | |
|--|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 3 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| ANIMAL ID | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 8 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | 6 | 6 | 6 | 7 | 7 | 9 | 9 | 9 | 9 | 9 | 0 | 0 | 0 | 0 | 1 | 2 | 2 |
| | 5 | 5 | 6 | 2 | 9 | 2 | 2 | 3 | 8 | 8 | 4 | 8 | 8 | 8 | 4 | 0 | 0 |
| | 8 | 9 | 0 | 3 | 2 | 5 | 6 | 9 | 0 | 1 | 0 | 4 | 5 | 6 | 0 | 7 | 8 |
| *TOTALS | | | | | | | | | | | | | | | | | |
| Osteosarcoma | X | | | | | | | | | | | | | | | | |
| Sarcoma | | | | | | | | | | | | | | | | | |
| Musculoskeletal System | | | | | | | | | | | | | | | | | |
| Bone | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Femur, Sarcoma, Metastatic, Skin | | | | | | | | | | | | | | | | | |
| Humerus, Osteosarcoma | | | | | | | | | | | | | | | | | |
| Rib, Osteosarcoma | | | | | | | | | | | | | | | | | |
| Vertebra, Osteosarcoma | | | | | | | | | | | | | | | | | |
| Skeletal Muscle | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | |
| Nervous System | | | | | | | | | | | | | | | | | |
| Brain, Cerebellum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Brain, Cerebrum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Meningioma Malignant | | | | | | | | | | | | | | | | | |
| Peripheral Nerve | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Spinal Cord, Thoracic | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Respiratory System | | | | | | | | | | | | | | | | | |
| Larynx | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Lung | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Adenocarcinoma, Metastatic, Mammary Gland | | | | | | | | | | | | | | | | | |

* ..Total animals with tissue examined microscopically; Total animals with tumor

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

BLANK ..Not examined microscopically

Experiment Number: 00602-05

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Mouse/B6C3F1/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/18/2014

Time Report Requested: 00:19:27

First Dose M/F: NA / NA

Lab: NCTR

| B6C3F1/NCTR Mouse Female
2.5%ETH/30PPMURE | DAY ON TEST | | | | | | | | | | | | | | | | |
|--|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 3 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| ANIMAL ID | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 8 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | 6 | 6 | 6 | 7 | 7 | 9 | 9 | 9 | 9 | 0 | 0 | 0 | 0 | 1 | 2 | 2 | 2 |
| | 5 | 5 | 6 | 2 | 9 | 2 | 3 | 8 | 8 | 4 | 8 | 8 | 8 | 4 | 0 | 0 | 0 |
| | 8 | 9 | 0 | 3 | 2 | 5 | 6 | 9 | 0 | 1 | 4 | 5 | 6 | 7 | 8 | | |
| | *TOTALS | | | | | | | | | | | | | | | | |
| Alveolar/Bronchiolar Adenoma | | | | | | | X | | X | | | | X | | X | | 12 |
| Alveolar/Bronchiolar Adenoma, Multiple | | X | | | | | | | | | | | | | | | 4 |
| Alveolar/Bronchiolar Carcinoma | | | | | | | | X | X | | | | X | | | | 4 |
| Alveolar/Bronchiolar Carcinoma, Multiple | | | | X | | | | | | | | | | | | | 2 |
| Carcinoma, Metastatic, Mammary Gland | | | | | | | | | | | | | | | | | 1 |
| Hepatocellular Carcinoma, Metastatic, Liver | | | | | | | | | | | | | | | | | 1 |
| Histiocytic Sarcoma | | | | | | | | X | | | | | | | | | 1 |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | 3 |
| Osteosarcoma, Metastatic, Bone | | | | | | | | | | | | | | | | | 1 |
| Sarcoma, Metastatic, Skin | | | | | | | | | | | | | | | | | 1 |
| Nose | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 |
| Trachea | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 46 |
| Special Senses System | | | | | | | | | | | | | | | | | |
| Eye | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 |
| Harderian Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 46 |
| Adenoma | | | | | | | | | | X | | X | X | | | | 9 |
| Carcinoma | X | | | | | | X | | | | | | | X | | | 6 |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | 1 |
| Lacrimal Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 44 |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | 1 |
| Zymbal's Gland | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | 41 |
| Urinary System | | | | | | | | | | | | | | | | | |

* ..Total animals with tissue examined microscopically; Total animals with tumor

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

BLANK ..Not examined microscopically

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

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Test Compound: Urethane + ethanol (combination)
 CAS Number: URETHCOMB

Date Report Requested: 10/18/2014
 Time Report Requested: 00:19:27
 First Dose M/F: NA / NA
 Lab: NCTR

| B6C3F1/NCTR Mouse Female
2.5%ETH/30PPMURE | DAY ON TEST | | | | | | | | | | | | | | | | | ANIMAL ID | | |
|--|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------|--|----|
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | |
| | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | | | |
| | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 3 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | | | |
| | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 8 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | | | |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | | |
| | 6 | 6 | 6 | 7 | 7 | 9 | 9 | 9 | 9 | 9 | 0 | 0 | 0 | 0 | 1 | 2 | 2 | | | |
| | 5 | 5 | 6 | 2 | 9 | 2 | 2 | 3 | 8 | 8 | 4 | 8 | 8 | 8 | 4 | 0 | 0 | | | |
| | 8 | 9 | 0 | 3 | 2 | 5 | 6 | 9 | 0 | 1 | 0 | 4 | 5 | 6 | 0 | 7 | 8 | | | |
| | *TOTALS | | | | | | | | | | | | | | | | | | | |
| Kidney | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | 48 |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | | | | 3 |
| Osteosarcoma, Metastatic, Bone | | | | | | | | | | | | | | | | | | | | 1 |
| Sarcoma, Metastatic, Skin | | | | | | | | | | | | | | | | | | | | 1 |
| Urinary Bladder | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | 47 |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | | | | 3 |
| SYSTEMIC LESIONS | | | | | | | | | | | | | | | | | | | | |
| Multiple Organ | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | 48 |
| Histiocytic Sarcoma | | | | | | | | X | | | | | | | | | | | | 3 |
| Lymphoma Malignant | X | | | X | | | X | | | X | | | | | | | | | | 11 |

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

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

Experiment Number: 00602-05

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Mouse/B6C3F1/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/18/2014

Time Report Requested: 00:19:28

First Dose M/F: NA / NA

Lab: NCTR

| B6C3F1/NCTR Mouse Female
2.5%ETH/90PPMURE | DAY ON TEST | |
|--|-------------|
| | 0 | 0 |
| | 3 | 3 | 4 | 5 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 7 | 6 | 6 | 6 | 7 |
| | 6 | 8 | 9 | 4 | 1 | 0 | 9 | 6 | 2 | 2 | 4 | 5 | 9 | 1 | 0 | 5 | 6 | 7 | 1 | 4 | 9 | 5 | 2 | 5 | 8 | 1 | 7 | 8 |
| ANIMAL ID | 0 | 8 | 9 | 2 | 6 | 8 | 9 | 5 | 6 | 8 | 8 | 2 | 3 | 4 | 8 | 9 | 2 | 0 | 1 | 6 | 2 | 0 | 0 | 1 | 9 | 8 | 7 | 6 |
| | 0 | 0 |
| | 0 | 0 |
| | 0 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 4 |
| | 8 | 1 | 4 | 6 | 7 | 8 | 0 | 1 | 3 | 4 | 7 | 8 | 9 | 0 | 1 | 2 | 4 | 4 | 5 | 5 | 6 | 6 | 7 | 0 | 1 | 1 | 2 | 3 |
| | 0 | 0 | 0 | 8 | 9 | 3 | 7 | 3 | 2 | 6 | 7 | 9 | 6 | 6 | 0 | 6 | 4 | 7 | 1 | 2 | 2 | 3 | 9 | 0 | 2 | 4 | 0 | 7 |
| Mesentery | + | | | | | | | | | | | | | | + | | | | | | | | | | | | | |
| Hemangiosarcoma | |
| Sarcoma, Metastatic, Kidney | |
| Pancreas | + | + | + | + | + | + | + | + | A | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | A | + | + | A |
| Histiocytic Sarcoma | |
| Lymphoma Malignant | | | X | |
| Sarcoma, Metastatic, Kidney | |
| Salivary Glands | + | + |
| Lymphoma Malignant | | X | |
| Stomach, Forestomach | + | + | A | + | A | + | + | + |
| Sarcoma, Metastatic, Kidney | |
| Squamous Cell Carcinoma | | | | | | | | | | | | | | | | X | | | | | | | | | | | | |
| Stomach, Glandular | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | A | + | + | + |
| Tongue | + | + |
| Cardiovascular System | |
| Blood Vessel | + | + |
| Lymphoma Malignant | X | X | |
| Heart | + | + |
| Alveolar/Bronchiolar Carcinoma, Metastatic, | |
| Lung | | X | | | | | |
| Hemangiosarcoma | | | | | | | | | X | | | | | | | | | | | | X | | | | | | | |
| Lymphoma Malignant | X | X | | X | | |

* ..Total animals with tissue examined microscopically; Total animals with tumor

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

BLANK ..Not examined microscopically

Experiment Number: 00602-05

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Mouse/B6C3F1/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/18/2014

Time Report Requested: 00:19:28

First Dose M/F: NA / NA

Lab: NCTR

| B6C3F1/NCTR Mouse Female
2.5%ETH/90PPMURE | DAY ON TEST | |
|--|-------------|
| | 0 | 0 |
| | 3 | 3 | 4 | 5 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 7 | 6 | 6 | 6 | 7 |
| | 6 | 8 | 9 | 4 | 1 | 0 | 9 | 6 | 2 | 2 | 4 | 5 | 9 | 1 | 0 | 5 | 6 | 7 | 1 | 4 | 9 | 5 | 2 | 5 | 8 | 1 | 7 | 8 |
| ANIMAL ID | 0 | 8 | 9 | 2 | 6 | 8 | 9 | 5 | 6 | 8 | 8 | 2 | 3 | 4 | 8 | 9 | 2 | 0 | 1 | 6 | 2 | 0 | 0 | 1 | 9 | 8 | 7 | 6 |
| | 0 | 0 |
| | 0 | 0 |
| | 0 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 4 |
| | 8 | 1 | 4 | 6 | 7 | 8 | 0 | 1 | 3 | 4 | 7 | 8 | 9 | 0 | 1 | 2 | 4 | 4 | 5 | 5 | 6 | 6 | 7 | 0 | 1 | 1 | 2 | 3 |
| | 0 | 0 | 0 | 8 | 9 | 3 | 7 | 3 | 2 | 6 | 7 | 9 | 6 | 6 | 0 | 6 | 4 | 7 | 1 | 2 | 2 | 3 | 9 | 0 | 2 | 4 | 0 | 6 |

Squamous Cell Carcinoma, Metastatic,
Intestine Large

X

Endocrine System

Adrenal Gland

Bilateral, Subcapsular, Adenoma

Adrenal Gland, Cortex

Lymphoma Malignant

Sarcoma, Metastatic, Kidney

Sarcoma, Metastatic, Skin

Subcapsular, Carcinoma

Adrenal Gland, Medulla

Lymphoma Malignant

Islets, Pancreatic

Adenoma

Lymphoma Malignant

Parathyroid Gland

Pituitary Gland

Lymphoma Malignant

Pars Distalis, Adenoma

Thyroid Gland

General Body System

NONE

* ..Total animals with tissue examined microscopically; Total animals with tumor

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

BLANK ..Not examined microscopically

Experiment Number: 00602-05

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Mouse/B6C3F1/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/18/2014

Time Report Requested: 00:19:29

First Dose M/F: NA / NA

Lab: NCTR

| B6C3F1/NCTR Mouse Female
2.5%ETH/90PPMURE | DAY ON TEST | |
|--|-------------|
| | 0 | 0 |
| | 3 | 3 | 4 | 5 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 7 | 6 | 6 | 6 | 7 |
| | 6 | 8 | 9 | 4 | 1 | 0 | 9 | 6 | 2 | 2 | 4 | 5 | 9 | 1 | 0 | 5 | 6 | 7 | 1 | 4 | 9 | 5 | 2 | 5 | 8 | 1 | 7 | 8 |
| ANIMAL ID | 0 | 8 | 9 | 2 | 6 | 8 | 9 | 5 | 6 | 8 | 2 | 3 | 4 | 8 | 9 | 2 | 0 | 1 | 6 | 2 | 0 | 0 | 1 | 9 | 8 | 7 | 6 | 9 |
| | 0 | 0 |
| | 0 | 0 |
| | 0 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 4 |
| | 8 | 1 | 4 | 6 | 7 | 8 | 0 | 1 | 3 | 4 | 7 | 8 | 9 | 0 | 1 | 2 | 4 | 4 | 5 | 5 | 6 | 6 | 7 | 0 | 1 | 1 | 2 | 3 |
| | 0 | 0 | 0 | 8 | 9 | 3 | 7 | 3 | 2 | 6 | 7 | 9 | 6 | 6 | 0 | 6 | 4 | 7 | 1 | 2 | 2 | 3 | 9 | 0 | 2 | 4 | 0 | 6 |
| | |
| | |

Genital System

| |
|-----------------------------|
| Clitoral Gland | + | + | + | + | + | M | M | + | M | + | + | M | + | + | M | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + |
| Ovary | + |
| Adenoma, Tubular | | | | | | | | | | | | | | | | | | X | | | | | | | | | | | | |
| Cystadenoma | X | | | | | | | | |
| Granulosa Cell Tumor Benign | | | | | | | | | | | | | | X | | | | | | X | | | | | | | | | | |
| Hemangioma | X | | | | | |
| Hemangiosarcoma | X | | | | | | | | | X | |
| Lymphoma Malignant | | | X | | X | | | |
| Thecoma Benign | | | | | | | | | | | X | | | | | | | | | | | | | | | | | | | |
| Uterus | + |
| Hemangioma | | | | | | | | | | | | | | X | X | | | X | | | | | | | | | | | | |
| Hemangiosarcoma |
| Leiomyosarcoma |
| Lymphoma Malignant | | | X | |
| Sarcoma |
| Sarcoma Stromal | | | | | | X | |
| Sarcoma, Metastatic, Skin |
| Vagina | + |
| Hemangioma | | | | | | | | | | | | | | | | X | | | | | | | | | | | | | | |
| Lymphoma Malignant | | | X | |
| Sarcoma, Metastatic, Uterus | | | | | | X | |

* ..Total animals with tissue examined microscopically; Total animals with tumor

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

BLANK ..Not examined microscopically

Experiment Number: 00602-05

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Mouse/B6C3F1/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/18/2014

Time Report Requested: 00:19:29

First Dose M/F: NA / NA

Lab: NCTR

| B6C3F1/NCTR Mouse Female
2.5%ETH/90PPMURE | DAY ON TEST | |
|--|-------------|
| | 0 | 0 |
| | 3 | 3 | 4 | 5 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 7 | 6 | 6 | 6 | 7 |
| | 6 | 8 | 9 | 4 | 1 | 0 | 9 | 6 | 2 | 2 | 4 | 5 | 9 | 1 | 0 | 5 | 6 | 7 | 1 | 4 | 9 | 5 | 2 | 5 | 8 | 1 | 7 | 8 |
| ANIMAL ID | 0 | 8 | 9 | 2 | 6 | 8 | 9 | 5 | 6 | 8 | 8 | 2 | 3 | 4 | 8 | 9 | 2 | 0 | 1 | 6 | 2 | 0 | 0 | 1 | 9 | 8 | 7 | 6 |
| | 0 | 0 |
| | 0 | 0 |
| | 0 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 4 |
| | 8 | 1 | 4 | 6 | 7 | 8 | 0 | 1 | 3 | 4 | 7 | 8 | 9 | 0 | 1 | 2 | 4 | 4 | 5 | 5 | 6 | 6 | 7 | 0 | 1 | 1 | 2 | 3 |
| | 0 | 0 | 0 | 8 | 9 | 3 | 7 | 3 | 2 | 6 | 7 | 9 | 6 | 6 | 0 | 6 | 4 | 7 | 1 | 2 | 2 | 3 | 9 | 0 | 2 | 4 | 7 | 6 |

Hematopoietic System

| |
|-------------------------------------|
| Bone Marrow | + |
| Hemangiosarcoma |
| Lymphoma Malignant | | X | |
| Lymph Node | + | | | | | | | + | | + | | + | | + | + | | | | | | | | | | | + | | |
| Axillary, Lymphoma Malignant | | X | |
| Iliac, Histiocytic Sarcoma |
| Inguinal, Sarcoma, Metastatic, Skin | | | | | | | | | X | | | | | | | | | | | | | | | | | | | |
| Lumbar, Histiocytic Sarcoma |
| Lumbar, Lymphoma Malignant | X | | |
| Lumbar, Sarcoma, Metastatic, Skin |
| Pancreatic, Histiocytic Sarcoma |
| Renal, Histiocytic Sarcoma |
| Renal, Lymphoma Malignant |
| Lymph Node, Mandibular | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Histiocytic Sarcoma |
| Lymphoma Malignant | | X | | X | | |
| Lymph Node, Mesenteric | M | + | + | + | + | M | + | + | A | + | + | M | A | + | + | + | + | + | + | + | + | + | + | + | M | + | + | A |
| Histiocytic Sarcoma |
| Lymphoma Malignant | | X | |
| Sarcoma, Metastatic, Kidney |
| Spleen | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | A | + | + | + |

* ..Total animals with tissue examined microscopically; Total animals with tumor

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

BLANK ..Not examined microscopically

Experiment Number: 00602-05

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Mouse/B6C3F1/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/18/2014

Time Report Requested: 00:19:30

First Dose M/F: NA / NA

Lab: NCTR

| B6C3F1/NCTR Mouse Female
2.5%ETH/90PPMURE | DAY ON TEST | |
|--|-------------|
| | 0 | 0 |
| | 3 | 3 | 4 | 5 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 7 | 6 | 6 | 6 | 7 |
| | 6 | 8 | 9 | 4 | 1 | 0 | 9 | 6 | 2 | 2 | 4 | 5 | 9 | 1 | 0 | 5 | 6 | 7 | 1 | 4 | 9 | 5 | 2 | 5 | 8 | 1 | 7 | 8 |
| ANIMAL ID | 0 | 8 | 9 | 2 | 6 | 8 | 9 | 5 | 6 | 8 | 8 | 2 | 3 | 4 | 8 | 9 | 2 | 0 | 1 | 6 | 2 | 0 | 0 | 1 | 9 | 8 | 7 | 6 |
| | 0 | 0 |
| | 0 | 0 |
| | 0 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 4 |
| | 8 | 1 | 4 | 6 | 7 | 8 | 0 | 1 | 3 | 4 | 7 | 8 | 9 | 0 | 1 | 2 | 4 | 4 | 5 | 5 | 6 | 6 | 7 | 0 | 1 | 1 | 2 | 2 |
| | 0 | 0 | 0 | 8 | 9 | 3 | 7 | 3 | 2 | 6 | 7 | 9 | 6 | 6 | 0 | 6 | 4 | 7 | 1 | 2 | 2 | 3 | 9 | 0 | 2 | 4 | 0 | 7 |
| Hemangiosarcoma | | | | | | | | | X | | | | | | | | | X | | | | | | | | | | |
| Histiocytic Sarcoma | |
| Lymphoma Malignant | | | X | | X | | |
| Thymus | + | + | + | + | M | M | + | + | + | M | + | + | + | M | M | + | M | + | + | M | + | M | + | + | + | + | + | + |
| Alveolar/Bronchiolar Carcinoma, Metastatic, Lung | | | | X | |
| Lymphoma Malignant | X | X | | X | | |
| Sarcoma, Metastatic, Kidney | |
| Integumentary System | |
| Mammary Gland | + | + | A | + | + |
| Adenoacanthoma | | | | | | | X | | | | | | | | | X | | | | | | | | | | | | X |
| Adenocarcinoma | | | | | | | | | | | X | | | | | X | | X | | | | X | | X | X | | X | X |
| Lymphoma Malignant | | | X | |
| Skin | + | + | A | + |
| Fibroma | |
| Hemangiosarcoma | | X | | X | |
| Sarcoma | | | | | | | | | X | | | | | | | | X | | | | | | | | | | | X |
| Squamous Cell Carcinoma, Metastatic, Intestine Large | | | | | | | | | | | | | | | | X | | | | | | | | | | | | |
| Musculoskeletal System | |
| Bone | + | + |
| Femur, Hemangiosarcoma | |

* ..Total animals with tissue examined microscopically; Total animals with tumor

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

BLANK ..Not examined microscopically

Experiment Number: 00602-05

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Mouse/B6C3F1/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/18/2014

Time Report Requested: 00:19:30

First Dose M/F: NA / NA

Lab: NCTR

| B6C3F1/NCTR Mouse Female
2.5%ETH/90PPMURE | DAY ON TEST | |
|--|-------------|
| | 0 | 0 |
| | 3 | 3 | 4 | 5 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 7 | 6 | 6 | 6 | 7 |
| | 6 | 8 | 9 | 4 | 1 | 0 | 9 | 6 | 2 | 2 | 4 | 5 | 9 | 1 | 0 | 5 | 6 | 7 | 1 | 4 | 9 | 5 | 2 | 5 | 8 | 1 | 7 | 8 |
| ANIMAL ID | 0 | 8 | 9 | 2 | 6 | 8 | 9 | 5 | 6 | 8 | 8 | 2 | 3 | 4 | 8 | 9 | 2 | 0 | 1 | 6 | 2 | 0 | 1 | 9 | 8 | 7 | 6 | 9 |
| | 0 | 0 |
| | 0 | 0 |
| | 0 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 4 |
| | 8 | 1 | 4 | 6 | 7 | 8 | 0 | 1 | 3 | 4 | 7 | 8 | 9 | 0 | 1 | 2 | 4 | 4 | 5 | 5 | 6 | 6 | 7 | 0 | 1 | 1 | 2 | 2 |
| | 0 | 0 | 0 | 8 | 9 | 3 | 7 | 3 | 2 | 6 | 7 | 9 | 6 | 6 | 0 | 6 | 4 | 7 | 1 | 2 | 2 | 3 | 9 | 0 | 2 | 4 | 0 | 6 |
| Femur, Lymphoma Malignant | | X | |
| Sternum, Lymphoma Malignant | | X | |
| Skeletal Muscle | + | + |
| Alveolar/Bronchiolar Carcinoma, Metastatic, Lung | | | X | |
| Hemangiosarcoma | | X | | | | | |
| Lymphoma Malignant | | X | |
| Sarcoma, Metastatic, Skin | |
| Nervous System | |
| Brain, Cerebellum | + | + |
| Lymphoma Malignant | | X | |
| Brain, Cerebrum | + | + |
| Lymphoma Malignant | | X | |
| Peripheral Nerve | + | + |
| Spinal Cord, Thoracic | + | + |
| Lymphoma Malignant | | X | |
| Respiratory System | |
| Larynx | + | + | + | + | + | + | M | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Lung | + | + |
| Alveolar/Bronchiolar Adenoma | | | | | | | | | X | | | X | | | | X | X | | | | | | | | | | X | X |
| Alveolar/Bronchiolar Adenoma, Multiple | | | | | | | | | | | X | | X | X | | | | | | | | X | X | X | X | X | X | |
| Alveolar/Bronchiolar Carcinoma | | | | | | | | X | | | | X | | | | X | | | | | | | | | | | | X |

* ..Total animals with tissue examined microscopically; Total animals with tumor

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

BLANK ..Not examined microscopically

Experiment Number: 00602-05

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Mouse/B6C3F1/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/18/2014

Time Report Requested: 00:19:30

First Dose M/F: NA / NA

Lab: NCTR

| B6C3F1/NCTR Mouse Female
2.5%ETH/90PPMURE | DAY ON TEST | |
|--|-------------|
| | 0 | 0 |
| | 3 | 3 | 4 | 5 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 7 | 6 | 6 | 6 | 7 |
| | 6 | 8 | 9 | 4 | 1 | 0 | 9 | 6 | 2 | 2 | 4 | 5 | 9 | 1 | 0 | 5 | 6 | 7 | 1 | 4 | 9 | 5 | 2 | 5 | 8 | 1 | 7 | 8 |
| ANIMAL ID | 0 | 0 |
| | 0 | 0 |
| | 0 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 4 |
| | 8 | 1 | 4 | 6 | 7 | 8 | 0 | 1 | 3 | 4 | 7 | 8 | 9 | 0 | 1 | 2 | 4 | 4 | 5 | 5 | 6 | 6 | 7 | 0 | 1 | 1 | 2 | 3 |
| | 0 | 0 | 0 | 8 | 9 | 3 | 7 | 3 | 2 | 6 | 7 | 9 | 6 | 6 | 0 | 6 | 4 | 7 | 1 | 2 | 2 | 3 | 9 | 0 | 2 | 4 | 0 | 6 |
| Alveolar/Bronchiolar Carcinoma, Multiple | | | X | | | | | | X | | | | | | | | | | | X | X | | | | | | X | |
| Histiocytic Sarcoma | |
| Lymphoma Malignant | X | X | | X | | |
| Sarcoma Stromal, Metastatic, Uterus | | | | | X | |
| Sarcoma, Metastatic, Skin | | | | | | | | | X | | | | | | | X | | | | | | | | | | | | |
| Squamous Cell Carcinoma, Metastatic, Intestine Large | | | | | | | | | | | | | | X | | | | | | | | | | | | | | |
| Nose | + | + |
| Lymphoma Malignant | | X | |
| Trachea | + | + | M | + |
| Special Senses System | |
| Eye | + | + | + | + | + | + | + | + | M | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Lymphoma Malignant | | X | |
| Harderian Gland | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Adenoma | | | | X | | | | | | | | X | X | | | X | X | | | | | X | X | X | | X | X | X |
| Bilateral, Adenoma | | X |
| Bilateral, Carcinoma | | | | | | | | | | X | X | | | X | | | | | | | X | | | | | | | |
| Carcinoma | | | | | | X | | | | | | | | | X | X | | | | X | | | | | | | | |
| Lymphoma Malignant | | X | |
| Lacrimal Gland | + | + | + | + | + | + | + | + | M | + | + | + | + | M | + | + | + | M | M | + | + | + | + | + | + | + | + | + |
| Lymphoma Malignant | | X | |
| Zymbal's Gland | + | + | M | M | + | + | + | M |

* ..Total animals with tissue examined microscopically; Total animals with tumor

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

BLANK ..Not examined microscopically

Experiment Number: 00602-05

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Mouse/B6C3F1/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/18/2014

Time Report Requested: 00:19:31

First Dose M/F: NA / NA

Lab: NCTR

| B6C3F1/NCTR Mouse Female
2.5%ETH/90PPMURE | DAY ON TEST | |
|--|-------------|
| | 0 | 0 | | |
| | 3 | 3 | 4 | 5 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 7 | 6 | 6 | 6 | 7 | |
| | 6 | 8 | 9 | 4 | 1 | 0 | 9 | 6 | 2 | 2 | 4 | 5 | 9 | 1 | 0 | 5 | 6 | 7 | 1 | 4 | 9 | 5 | 2 | 5 | 8 | 1 | 7 | 8 | 4 | 3 | 1 |
| | 0 | 8 | 9 | 2 | 6 | 8 | 9 | 5 | 6 | 8 | 8 | 2 | 3 | 4 | 8 | 9 | 2 | 0 | 1 | 6 | 2 | 0 | 0 | 1 | 9 | 8 | 7 | 6 | 9 | 7 | 1 |
| | ANIMAL ID | 0 |
| | 0 | 0 |
| | 0 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| | 8 | 1 | 4 | 6 | 7 | 8 | 0 | 1 | 3 | 4 | 7 | 8 | 9 | 0 | 1 | 2 | 4 | 4 | 5 | 5 | 6 | 6 | 7 | 0 | 1 | 1 | 2 | 2 | 3 | 6 | 7 |
| | 0 | 0 | 0 | 8 | 9 | 3 | 7 | 3 | 2 | 6 | 7 | 9 | 6 | 6 | 0 | 6 | 4 | 7 | 1 | 2 | 2 | 3 | 9 | 0 | 2 | 4 | 0 | 7 | 9 | 4 | 6 |
| Lymphoma Malignant | X |
| Urinary System | |
| Kidney | + | + | |
| Hemangiosarcoma | X |
| Lymphoma Malignant | X |
| Perirenal Tiss, Hemangiosarcoma | X |
| Sarcoma | |
| Urinary Bladder | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | |
| Lymphoma Malignant | X |
| SYSTEMIC LESIONS | |
| Multiple Organ | + | + | |
| Histiocytic Sarcoma | |
| Lymphoma Malignant | X | X | |

* ..Total animals with tissue examined microscopically; Total animals with tumor

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

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Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/18/2014

Time Report Requested: 00:19:31

First Dose M/F: NA / NA

Lab: NCTR

| B6C3F1/NCTR Mouse Female
2.5%ETH/90PPMURE | DAY ON TEST | | | | | | | | | | | | | | | |
|--|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ANIMAL ID | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| | 1 | 6 | 6 | 6 | 1 | 5 | 3 | 3 | 0 | 6 | 6 | 6 | 4 | 6 | 6 | 3 |
| | 5 | 6 | 2 | 5 | 6 | 3 | 8 | 7 | 9 | 5 | 5 | 3 | 5 | 5 | 8 | 5 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| | 5 | 5 | 5 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 8 | 8 | 9 | 9 | 9 | 1 |
| | 1 | 4 | 6 | 0 | 8 | 8 | 3 | 7 | 7 | 8 | 8 | 5 | 8 | 1 | 4 | 5 |
| | 0 | 5 | 6 | 5 | 1 | 9 | 8 | 7 | 8 | 5 | 6 | 3 | 2 | 6 | 7 | 0 |
| *TOTALS | | | | | | | | | | | | | | | | |

Alimentary System

| | | | | | | | | | | | | | | | | | |
|----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|
| Esophagus | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 47 |
| Sarcoma, Metastatic, Kidney | | | | | X | | | | | | | | | | | | 1 |
| Gallbladder | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 43 |
| Intestine Large, Cecum | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | 41 |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | 1 |
| Intestine Large, Colon | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | 42 |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | 1 |
| Intestine Large, Rectum | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | 46 |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | 1 |
| Sarcoma, Metastatic, Uterus | | | | | | | | | X | | | | | | | | 1 |
| Squamous Cell Carcinoma | | | | | | | | | | | | | | | | | 1 |
| Intestine Small, Duodenum | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | 39 |
| Intestine Small, Ileum | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | 40 |
| Intestine Small, Jejunum | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | 39 |
| Liver | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 46 |
| Hemangiosarcoma | | | X | | | X | X | | X | | | | | | | | 7 |
| Hepatocellular Adenoma | | X | | | X | | | | | | X | | | | X | | 9 |
| Hepatocellular Adenoma, Multiple | | | | X | | | | | X | X | | X | X | X | X | X | 14 |
| Hepatocellular Carcinoma | | | | | | | | | | | | | | | | | 1 |
| Histiocytic Sarcoma | | | | | | | | | | | X | | | | | | 1 |
| Lymphoma Malignant | | | | | | | X | | | | | | | | | | 3 |

* ..Total animals with tissue examined microscopically; Total animals with tumor

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

BLANK ..Not examined microscopically

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

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Test Compound: Urethane + ethanol (combination)
 CAS Number: URETHCOMB

Date Report Requested: 10/18/2014
 Time Report Requested: 00:19:31
 First Dose M/F: NA / NA
 Lab: NCTR

| B6C3F1/NCTR Mouse Female
2.5%ETH/90PPMURE | | DAY ON TEST | | | | | | | | | | | | | | | | | | ANIMAL ID | *TOTALS |
|--|--|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|-----------|---------|
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | |
| | | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | | | |
| | | 1 | 6 | 6 | 6 | 1 | 5 | 3 | 3 | 0 | 6 | 6 | 6 | 4 | 6 | 6 | 3 | 6 | | | |
| | | 5 | 6 | 2 | 5 | 6 | 3 | 8 | 7 | 9 | 5 | 5 | 5 | 3 | 5 | 5 | 8 | 5 | | | |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | | | |
| | | 5 | 5 | 5 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 8 | 8 | 9 | 9 | 9 | 9 | 1 | | | |
| | | 1 | 4 | 6 | 0 | 8 | 8 | 3 | 7 | 7 | 8 | 8 | 5 | 8 | 1 | 1 | 4 | 5 | | | |
| | | 0 | 5 | 6 | 5 | 1 | 9 | 8 | 7 | 8 | 5 | 6 | 3 | 2 | 6 | 7 | 1 | 0 | | | |
| Mesentery | | | | | | | | | | | | | | | | | | | | 6 | |
| Hemangiosarcoma | | | | | | | | | | | | | | | | | | | | X | 1 |
| Sarcoma, Metastatic, Kidney | | | | | | | | | | | | | | | | | | | | X | 1 |
| Pancreas | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 44 | | |
| Histiocytic Sarcoma | | | | | | | | | | | | | | | | | | | | X | 1 |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | | | | | 1 |
| Sarcoma, Metastatic, Kidney | | | | | | | | | | | | | | | | | | | | X | 1 |
| Salivary Glands | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 | | |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | | | | | 1 |
| Stomach, Forestomach | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 46 | | |
| Sarcoma, Metastatic, Kidney | | | | | | | | | | | | | | | | | | | | X | 1 |
| Squamous Cell Carcinoma | | | | | | | | | | | | | | | | | | | | | 1 |
| Stomach, Glandular | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 45 | | |
| Tongue | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 | | |
| Cardiovascular System | | | | | | | | | | | | | | | | | | | | | |
| Blood Vessel | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 | | |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | | | | | 2 |
| Heart | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 | | |
| Alveolar/Bronchiolar Carcinoma, Metastatic, Lung | | | | | | | | | | | | | | | | | | | | | 1 |
| Hemangiosarcoma | | X | | | | | | | | | | | | | | | | | | | 3 |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | | | | | 3 |

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

M ..Missing tissue
 A ..Autolysis precludes evaluation
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 First Dose M/F: NA / NA
 Lab: NCTR

| DAY ON TEST | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|--|--|---------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| B6C3F1/NCTR Mouse Female | | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| 2.5%ETH/90PPMURE | | 1 | 6 | 6 | 6 | 1 | 5 | 3 | 3 | 0 | 6 | 6 | 6 | 4 | 6 | 6 | 3 | 6 | 6 |
| ANIMAL ID | | 5 | 6 | 2 | 5 | 6 | 3 | 8 | 7 | 9 | 5 | 5 | 3 | 5 | 5 | 8 | 5 | 5 | 5 |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 |
| | | 5 | 5 | 5 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 8 | 8 | 9 | 9 | 9 | 1 | 1 |
| | | 1 | 4 | 6 | 0 | 8 | 8 | 3 | 7 | 7 | 8 | 8 | 5 | 8 | 1 | 1 | 4 | 5 | 5 |
| | | 0 | 5 | 6 | 5 | 1 | 9 | 8 | 7 | 8 | 5 | 6 | 3 | 2 | 6 | 7 | 1 | 0 | 0 |
| | | *TOTALS | | | | | | | | | | | | | | | | | |
| Squamous Cell Carcinoma, Metastatic, Intestine Large | | | | | | | | | | | | | | | | | | | |
| Endocrine System | | | | | | | | | | | | | | | | | | | |
| Adrenal Gland | | | | | | | | | | | | | | | | | | | |
| Bilateral, Subcapsular, Adenoma | | | | | | | | | | | | | | | | | | | |
| Adrenal Gland, Cortex | | + | + | + | + | + | M | + | + | + | + | M | + | + | + | + | + | + | + |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | | | |
| Sarcoma, Metastatic, Kidney | | | | | | | | | | | | | | | | | | | |
| Sarcoma, Metastatic, Skin | | | | | | | | | | | | | | | | | | | |
| Subcapsular, Carcinoma | | X | | | | | | | | | | | | | | | | | |
| Adrenal Gland, Medulla | | + | + | + | + | + | M | + | + | M | + | M | + | M | + | + | + | + | + |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | | | |
| Islets, Pancreatic | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Adenoma | | | | | | | | | | | | | | | | | | | |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | | | |
| Parathyroid Gland | | + | + | M | + | M | M | + | M | + | M | M | M | M | M | + | + | + | + |
| Pituitary Gland | | + | + | M | + | + | + | + | + | + | + | + | M | + | + | M | + | + | + |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | | | |
| Pars Distalis, Adenoma | | | | | | | | | | | | | | | | | | | |
| Thyroid Gland | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| General Body System | | | | | | | | | | | | | | | | | | | |
| NONE | | | | | | | | | | | | | | | | | | | |

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

M ..Missing tissue
 A ..Autolysis precludes evaluation
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| B6C3F1/NCTR Mouse Female
2.5%ETH/90PPMURE | DAY ON TEST | | | | | | | | | | | | | | | | |
|--|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| | 1 | 6 | 6 | 6 | 1 | 5 | 3 | 3 | 0 | 6 | 6 | 6 | 4 | 6 | 6 | 3 | 6 |
| ANIMAL ID | 5 | 6 | 2 | 5 | 6 | 3 | 8 | 7 | 9 | 5 | 5 | 3 | 5 | 5 | 8 | 5 | |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| | 5 | 5 | 5 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 8 | 8 | 9 | 9 | 9 | 1 |
| | 1 | 4 | 6 | 0 | 8 | 8 | 3 | 7 | 7 | 8 | 8 | 5 | 8 | 1 | 1 | 4 | 5 |
| | 0 | 5 | 6 | 5 | 1 | 9 | 8 | 7 | 8 | 5 | 6 | 3 | 2 | 6 | 7 | 1 | 0 |
| | *TOTALS | | | | | | | | | | | | | | | | |

Genital System

| | | | | | | | | | | | | | | | | | | |
|-----------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|
| Clitoral Gland | M | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | 40 |
| Ovary | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 |
| Adenoma, Tubular | | | | | | | | | | | | | | | | | | 1 |
| Cystadenoma | | | X | | | | | | | | | | | | | | | 2 |
| Granulosa Cell Tumor Benign | | | | | | | | | | | X | | | | | | | 3 |
| Hemangioma | | | | | | | | | | | | | | | | | | 1 |
| Hemangiosarcoma | | | | | | | | | | | | | | | | | | 2 |
| Lymphoma Malignant | | | | | | | X | | | | | | | | | | | 3 |
| Thecoma Benign | | | | | | | | | | | | | | | | | | 1 |
| Uterus | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 |
| Hemangioma | | | | | | | | | | | | | | | | | | 3 |
| Hemangiosarcoma | | | | | | | | | | X | | | | | | | | 1 |
| Leiomyosarcoma | | | X | | | | | | | | | | | | | | | 1 |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | | 1 |
| Sarcoma | | | | | | | | | | X | | | | | | | | 1 |
| Sarcoma Stromal | | | | | | | | | | | | | | | | | | 1 |
| Sarcoma, Metastatic, Skin | | | | | | | X | | | | | | | | | | | 1 |
| Vagina | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | 47 |
| Hemangioma | | | | | | | | | | | | | | | | | | 1 |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | | 1 |
| Sarcoma, Metastatic, Uterus | | | | | | | | | | | | | | | | | | 1 |

* ..Total animals with tissue examined microscopically; Total animals with tumor

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

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| B6C3F1/NCTR Mouse Female
2.5%ETH/90PPMURE | DAY ON TEST | | | | | | | | | | | | | | | | |
|--|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ANIMAL ID | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| | 1 | 6 | 6 | 6 | 1 | 5 | 3 | 3 | 0 | 6 | 6 | 6 | 4 | 6 | 6 | 3 | 6 |
| | 5 | 6 | 2 | 5 | 6 | 3 | 8 | 7 | 9 | 5 | 5 | 5 | 3 | 5 | 5 | 8 | 5 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| | 5 | 5 | 5 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 8 | 8 | 9 | 9 | 9 | 1 |
| | 1 | 4 | 6 | 0 | 8 | 8 | 3 | 7 | 7 | 8 | 8 | 5 | 8 | 1 | 1 | 4 | 5 |
| | 0 | 5 | 6 | 5 | 1 | 9 | 8 | 7 | 8 | 5 | 6 | 3 | 2 | 6 | 7 | 1 | 0 |
| | *TOTALS | | | | | | | | | | | | | | | | |

Hematopoietic System

| | | | | | | | | | | | | | | | | | | |
|-------------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|
| Bone Marrow | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 |
| Hemangiosarcoma | | | | | | X | | | | | | | | | | | | 1 |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | | 1 |
| Lymph Node | | | + | | | + | + | | | | + | | | | | | | 11 |
| Axillary, Lymphoma Malignant | | | | | | | | | | | | | | | | | | 1 |
| Iliac, Histiocytic Sarcoma | | | X | | | | | | | | | | | | | | | 1 |
| Inguinal, Sarcoma, Metastatic, Skin | | | | | | | | | | | | | | | | | | 1 |
| Lumbar, Histiocytic Sarcoma | | | X | | | | | | | | | | | | | | | 1 |
| Lumbar, Lymphoma Malignant | | | | | | | X | | | | | | | | | | | 2 |
| Lumbar, Sarcoma, Metastatic, Skin | | | | | | | X | | | | | | | | | | | 1 |
| Pancreatic, Histiocytic Sarcoma | | | | | | | | | | | X | | | | | | | 1 |
| Renal, Histiocytic Sarcoma | | | X | | | | | | | | | | | | | | | 1 |
| Renal, Lymphoma Malignant | | | | | | X | X | | | | | | | | | | | 2 |
| Lymph Node, Mandibular | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 46 |
| Histiocytic Sarcoma | | | X | | | | | | | | | | | | | | | 1 |
| Lymphoma Malignant | | | | | | X | | X | | | | | | | | | | 4 |
| Lymph Node, Mesenteric | M | + | + | + | + | + | + | A | + | + | + | M | + | + | + | + | + | 38 |
| Histiocytic Sarcoma | | | X | | | | | | | X | | | | | | | | 2 |
| Lymphoma Malignant | | | | | | | X | | | | | | | | | | | 2 |
| Sarcoma, Metastatic, Kidney | | | | | X | | | | | | | | | | | | | 1 |
| Spleen | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 46 |

* ..Total animals with tissue examined microscopically; Total animals with tumor

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

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|--|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| | 1 | 6 | 6 | 6 | 1 | 5 | 3 | 3 | 0 | 6 | 6 | 6 | 4 | 6 | 6 | 3 | 6 |
| ANIMAL ID | 5 | 6 | 2 | 5 | 6 | 3 | 8 | 7 | 9 | 5 | 5 | 3 | 5 | 5 | 8 | 5 | |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| | 5 | 5 | 5 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 8 | 8 | 9 | 9 | 9 | 1 |
| | 1 | 4 | 6 | 0 | 8 | 8 | 3 | 7 | 7 | 8 | 8 | 5 | 8 | 1 | 1 | 4 | 5 |
| | 0 | 5 | 6 | 5 | 1 | 9 | 8 | 7 | 8 | 5 | 6 | 3 | 2 | 6 | 7 | 1 | 0 |
| | *TOTALS | | | | | | | | | | | | | | | | |
| Hemangiosarcoma | | | | | | X | | | | | | | | | | | 3 |
| Histiocytic Sarcoma | | | X | | | | | | | | X | | | | | | 2 |
| Lymphoma Malignant | | | | | | | X | | | | | | | | | | 3 |
| Thymus | + | M | M | + | + | + | + | + | + | M | + | + | + | + | M | + | + |
| Alveolar/Bronchiolar Carcinoma, Metastatic, Lung | | | | | | | | | | | | | | | X | | 2 |
| Lymphoma Malignant | | | | | | | X | | X | | | | | | | | 5 |
| Sarcoma, Metastatic, Kidney | | | | | X | | | | | | | | | | | | 1 |
| Integumentary System | | | | | | | | | | | | | | | | | |
| Mammary Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 47 |
| Adenoacanthoma | | | | | | | | | | | | | | | | | 3 |
| Adenocarcinoma | X | X | X | | | | | | X | | | | | X | | | 14 |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | 1 |
| Skin | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 47 |
| Fibroma | | | | | | | | | | | | | | | | | 1 |
| Hemangiosarcoma | | | | | | | | | | | | | | | | | 2 |
| Sarcoma | | | | | | | X | | | | | | | | X | | 5 |
| Squamous Cell Carcinoma, Metastatic, Intestine Large | | | | | | | | | | | | | | | | | 1 |
| Musculoskeletal System | | | | | | | | | | | | | | | | | |
| Bone | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 |
| Femur, Hemangiosarcoma | | | | | | X | | | | | | | | | | | 1 |

* ..Total animals with tissue examined microscopically; Total animals with tumor

+ ..Tissue examined microscopically

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I ..Insufficient tissue

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Species/Strain: Mouse/B6C3F1/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/18/2014

Time Report Requested: 00:19:32

First Dose M/F: NA / NA

Lab: NCTR

| B6C3F1/NCTR Mouse Female
2.5%ETH/90PPMURE | DAY ON TEST | | | | | | | | | | | | | | | | |
|--|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ANIMAL ID | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| | 1 | 6 | 6 | 6 | 1 | 5 | 3 | 3 | 0 | 6 | 6 | 6 | 4 | 6 | 6 | 3 | 6 |
| | 5 | 6 | 2 | 5 | 6 | 3 | 8 | 7 | 9 | 5 | 5 | 3 | 5 | 5 | 8 | 5 | |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| | 5 | 5 | 5 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 8 | 8 | 9 | 9 | 9 | 9 | 1 |
| | 1 | 4 | 6 | 0 | 8 | 8 | 3 | 7 | 7 | 8 | 8 | 5 | 8 | 1 | 1 | 4 | 5 |
| | 0 | 5 | 6 | 5 | 1 | 9 | 8 | 7 | 8 | 5 | 6 | 3 | 2 | 6 | 7 | 1 | 0 |
| | *TOTALS | | | | | | | | | | | | | | | | |
| Femur, Lymphoma Malignant | | | | | | | | | | | | | | | | | 1 |
| Sternum, Lymphoma Malignant | | | | | | | | | | | | | | | | | 1 |
| Skeletal Muscle | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 |
| Alveolar/Bronchiolar Carcinoma, Metastatic, Lung | | | | | | | | | | | | | | | | | 1 |
| Hemangiosarcoma | | | | | | | | | | | | | | | | | 1 |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | 1 |
| Sarcoma, Metastatic, Skin | | | | | | | | | | | | | | | X | | 1 |
| Nervous System | | | | | | | | | | | | | | | | | |
| Brain, Cerebellum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | 1 |
| Brain, Cerebrum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | 1 |
| Peripheral Nerve | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 |
| Spinal Cord, Thoracic | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | 1 |
| Respiratory System | | | | | | | | | | | | | | | | | |
| Larynx | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 46 |
| Lung | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 |
| Alveolar/Bronchiolar Adenoma | | | | | | | X | | | | | X | | X | | | 10 |
| Alveolar/Bronchiolar Adenoma, Multiple | X | | | | X | | | | X | X | X | | X | | X | X | 18 |
| Alveolar/Bronchiolar Carcinoma | | | X | X | | | X | | X | | | X | X | | | X | 11 |

* ..Total animals with tissue examined microscopically; Total animals with tumor

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

BLANK ..Not examined microscopically

Experiment Number: 00602-05

Test Type: CHRONIC

Route: DOSED WATER

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2.5%ETH/90PPMURE | | DAY ON TEST | | | | | | | | | | | | | | | | | | |
|--|--|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|----|---|
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | |
| | | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | | |
| | | 1 | 6 | 6 | 6 | 1 | 5 | 3 | 3 | 0 | 6 | 6 | 6 | 4 | 6 | 6 | 3 | 6 | | |
| ANIMAL ID | | 5 | 6 | 2 | 5 | 6 | 3 | 8 | 7 | 9 | 5 | 5 | 5 | 3 | 5 | 5 | 8 | 5 | | |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | | |
| | | 5 | 5 | 5 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 8 | 8 | 9 | 9 | 9 | 1 | | |
| | | 1 | 4 | 6 | 0 | 8 | 8 | 3 | 7 | 7 | 8 | 8 | 5 | 8 | 1 | 1 | 4 | 5 | | |
| | | 0 | 5 | 6 | 5 | 1 | 9 | 8 | 7 | 8 | 5 | 6 | 3 | 2 | 6 | 7 | 1 | 0 | | |
| | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | |
| *TOTALS | | | | | | | | | | | | | | | | | | | | |
| Alveolar/Bronchiolar Carcinoma, Multiple | | X | | | X | | | X | | X | | | X | | | X | | 12 | | |
| Histiocytic Sarcoma | | | | | | | | | | | | | | | | | | | 1 | |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | | | 5 | |
| Sarcoma Stromal, Metastatic, Uterus | | | | | | | | | | | | | | | | | | | 1 | |
| Sarcoma, Metastatic, Skin | | | | | | | | | | | | | | | | | | | 3 | |
| Squamous Cell Carcinoma, Metastatic, Intestine Large | | | | | | | | | | | | | | | | | | | 1 | |
| Nose | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 | |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | | | 1 | |
| Trachea | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 47 | |
| Special Senses System | | | | | | | | | | | | | | | | | | | | |
| Eye | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 46 | |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | | | 1 | |
| Harderian Gland | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 47 | |
| Adenoma | | | | | | | | | | | | | | | | | | | 16 | |
| Bilateral, Adenoma | | X | | | | | | | | | | | | | | | | | | 3 |
| Bilateral, Carcinoma | | | | | | | | | | | | | | | | | | | 4 | |
| Carcinoma | | X | | | X | X | | X | X | | | X | | X | X | | | 12 | | |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | | | 1 | |
| Lacrimal Gland | | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | 43 | |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | | | 1 | |
| Zymbal's Gland | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | 44 | |

* ..Total animals with tissue examined microscopically; Total animals with tumor

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

BLANK ..Not examined microscopically

Experiment Number: 00602-05

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Lab: NCTR

| | |
|--|-------------|
| B6C3F1/NCTR Mouse Female
5.0%ETH/0PPM URE | DAY ON TEST | 0 |
| | | 2 | 2 | 2 | 2 | 5 | 5 | 6 | 6 | 6 | 7 |
| | | 1 | 1 | 1 | 1 | 1 | 7 | 7 | 3 | 2 | 2 | 0 | 5 | 6 | 6 | 6 | 6 | 1 | 4 | 3 | 6 | 6 | 6 | 1 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| | | 6 | 6 | 6 | 6 | 5 | 1 | 1 | 5 | 6 | 6 | 6 | 4 | 5 | 5 | 5 | 5 | 8 | 7 | 7 | 5 | 5 | 5 | 8 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| | ANIMAL ID | 0 |
| | 0 | 0 |
| | 0 | 0 | 0 | 0 | 1 | 2 | 3 | 3 | 3 | 4 | 4 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 9 | 9 |
| | 6 | 6 | 6 | 6 | 4 | 1 | 0 | 1 | 5 | 2 | 4 | 6 | 0 | 0 | 5 | 5 | 9 | 9 | 7 | 8 | 8 | 8 | 0 | 5 | 5 | 5 | 5 | 7 | 7 | 1 | 1 |
| | 0 | 1 | 2 | 3 | 1 | 8 | 8 | 4 | 5 | 1 | 0 | 4 | 7 | 8 | 6 | 7 | 0 | 6 | 6 | 7 | 8 | 9 | 9 | 4 | 5 | 6 | 7 | 1 | 2 | 8 | 9 |

Alimentary System

| |
|---------------------------|
| Esophagus | + | M | + | + | + | + | + | + | + | + | + | + |
| Gallbladder | + | + | + | + | + | + | + | + | + | M | + |
| Lymphoma Malignant | X | | | | | | | | | | | |
| Intestine Large | | | | | | | | | | | | | | | | + | | | | | | | | | | | | | | | | |
| Intestine Large, Cecum | + | + | + | + | + | + | + | + | + | + | A | + |
| Intestine Large, Colon | + | + | + | + | + | + | + | + | + | + | A | + |
| Intestine Large, Rectum | + |
| Intestine Small, Duodenum | + | + | + | + | + | + | + | + | + | + | A | + |
| Adenoma |
| Intestine Small, Ileum | + | + | + | + | + | + | + | + | + | + | A | + |
| Lymphoma Malignant |
| Intestine Small, Jejunum | + | + | + | + | + | + | + | + | + | + | A | + |
| Liver | + |
| Hepatocellular Adenoma |
| Histiocytic Sarcoma | | | | | | X | | | | | X | X | X | | | | | | | | | | | | | | | | | | | |
| Lymphoma Malignant |
| Mesentery |
| Lymphoma Malignant |
| Pancreas | + | A | + | + | + | + | + | + | + | + | + | + | + |
| Histiocytic Sarcoma | | | | | | | | | | | X | X | X | | | | | | | | | | | | | | | | | | | |
| Salivary Glands | + |

* ..Total animals with tissue examined microscopically; Total animals with tumor

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

BLANK ..Not examined microscopically

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| B6C3F1/NCTR Mouse Female
5.0%ETH/0PPM URE | | DAY ON TEST | |
|--|--|-------------|
| | | 0 | 0 | | | |
| | | 2 | 2 | 2 | 2 | 5 | 5 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | | | |
| | | 1 | 1 | 1 | 1 | 1 | 7 | 7 | 3 | 2 | 2 | 0 | 5 | 6 | 6 | 6 | 6 | 1 | 4 | 3 | 6 | 6 | 6 | 1 | 6 | 6 | 6 | 6 | 6 | | | |
| | | 6 | 6 | 6 | 6 | 5 | 1 | 1 | 5 | 6 | 6 | 6 | 4 | 5 | 5 | 5 | 5 | 8 | 7 | 7 | 5 | 5 | 5 | 8 | 5 | 5 | 5 | 5 | 5 | 5 | | |
| ANIMAL ID | | 0 | 0 | | | |
| | | 0 | 0 | | | |
| | | 0 | 0 | 0 | 0 | 1 | 2 | 3 | 3 | 3 | 4 | 4 | 5 | 6 | 6 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 8 | 8 | 8 | 8 | 8 | 8 | 9 | | | |
| | | 6 | 6 | 6 | 6 | 4 | 1 | 0 | 1 | 5 | 2 | 4 | 6 | 0 | 0 | 5 | 5 | 9 | 9 | 7 | 8 | 8 | 8 | 0 | 5 | 5 | 5 | 5 | 7 | 1 | | |
| | | 0 | 1 | 2 | 3 | 1 | 8 | 8 | 4 | 5 | 1 | 0 | 4 | 7 | 8 | 6 | 7 | 0 | 6 | 6 | 7 | 8 | 9 | 9 | 4 | 5 | 6 | 7 | 1 | 2 | 8 | 9 |
| Histiocytic Sarcoma | | X |
| Lymphoma Malignant | | X |
| Stomach, Forestomach | | + | + | |
| Squamous Cell Papilloma | | X |
| Stomach, Glandular | | + | + | |
| Tongue | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | |
| Cardiovascular System | | |
| Blood Vessel | | + | + | |
| Heart | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | |
| Endocrine System | | |
| Adrenal Gland, Cortex | | + | + | + | + | + | + | + | + | + | I | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | |
| Histiocytic Sarcoma | | X |
| Lymphoma Malignant | | X |
| Adrenal Gland, Medulla | | + | + | + | + | + | + | + | + | + | I | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | M | + | + | + | + | |
| Islets, Pancreatic | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | |
| Parathyroid Gland | | + | + | + | M | + | + | + | M | + | M | + | + | + | + | + | + | M | M | + | + | + | M | + | M | + | M | M | M | + | + | |
| Pituitary Gland | | M | + | + | + | + | + | + | + | + | + | + | M | M | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Histiocytic Sarcoma | | X |
| Lymphoma Malignant | | |
| Pars Distalis, Adenoma | | X |
| Pars Distalis, Carcinoma | | X |
| Thyroid Gland | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | M | + | + | + | + | + | + | + | + | |

* ..Total animals with tissue examined microscopically; Total animals with tumor

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

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| B6C3F1/NCTR Mouse Female
5.0%ETH/0PPM URE | | DAY ON TEST | |
|--|--|-------------|
| | | 0 | 0 | | |
| | | 2 | 2 | 2 | 2 | 5 | 5 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | | |
| | | 1 | 1 | 1 | 1 | 1 | 7 | 7 | 3 | 2 | 2 | 0 | 5 | 6 | 6 | 6 | 6 | 1 | 4 | 3 | 6 | 6 | 6 | 1 | 6 | 6 | 6 | 6 | 6 | 6 | |
| ANIMAL ID | | 6 | 6 | 6 | 6 | 5 | 1 | 1 | 5 | 6 | 6 | 6 | 4 | 5 | 5 | 5 | 5 | 8 | 7 | 7 | 5 | 5 | 5 | 8 | 5 | 5 | 5 | 5 | 5 | 5 | |
| | | 0 | 0 | |
| | | 0 | 0 | |
| | | 0 | 0 | 0 | 0 | 1 | 2 | 3 | 3 | 4 | 4 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 8 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 |
| | | 6 | 6 | 6 | 6 | 4 | 1 | 0 | 1 | 5 | 2 | 4 | 6 | 0 | 0 | 5 | 5 | 9 | 9 | 7 | 8 | 8 | 8 | 0 | 5 | 5 | 5 | 5 | 7 | 1 | |
| | | 0 | 1 | 2 | 3 | 1 | 8 | 8 | 4 | 5 | 1 | 0 | 4 | 7 | 8 | 6 | 7 | 0 | 6 | 6 | 7 | 8 | 9 | 4 | 5 | 6 | 7 | 1 | 2 | 8 | |
| Follicular Cel, Adenoma | | X |
| General Body System | | |
| NONE | | |
| Genital System | | |
| Clitoral Gland | | + | + | + | + | + | + | + | + | + | + | + | + | M | M | + | + | + | M | + | M | + | + | M | + | + | + | M | + | + | + |
| Ovary | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + |
| Cystadenoma | | |
| Histiocytic Sarcoma | | |
| Uterus | | + | + |
| Histiocytic Sarcoma | | |
| Polyp Stromal | | |
| Vagina | | + | + |
| Histiocytic Sarcoma | | |
| Hematopoietic System | | |
| Bone Marrow | | + | + |
| Histiocytic Sarcoma | | |
| Lymph Node | | |
| Axillary, Sarcoma, Metastatic, Skin | | |
| Lumbar, Histiocytic Sarcoma | | |
| Lumbar, Lymphoma Malignant | | |
| Renal, Lymphoma Malignant | | |

* ..Total animals with tissue examined microscopically; Total animals with tumor

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

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|--|-------------|
| | 0 | 0 |
| | 2 | 2 | 2 | 2 | 5 | 5 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| | 1 | 1 | 1 | 1 | 1 | 7 | 7 | 3 | 2 | 2 | 0 | 5 | 6 | 6 | 6 | 6 | 1 | 4 | 3 | 6 | 6 | 6 | 1 | 6 | 6 | 6 | 6 | 6 |
| ANIMAL ID | 6 | 6 | 6 | 6 | 5 | 1 | 1 | 5 | 6 | 6 | 4 | 5 | 5 | 5 | 5 | 8 | 7 | 7 | 5 | 5 | 5 | 8 | 5 | 5 | 5 | 5 | 5 | 5 |
| | 0 | 0 |
| | 0 | 0 |
| | 0 | 0 | 0 | 0 | 1 | 2 | 3 | 3 | 3 | 4 | 4 | 5 | 6 | 6 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 8 | 8 | 8 | 8 | 8 | 8 | 9 |
| | 6 | 6 | 6 | 6 | 4 | 1 | 0 | 1 | 5 | 2 | 4 | 6 | 0 | 0 | 5 | 5 | 9 | 9 | 7 | 8 | 8 | 8 | 0 | 5 | 5 | 5 | 7 | 1 |
| | 0 | 1 | 2 | 3 | 1 | 8 | 8 | 4 | 5 | 1 | 0 | 4 | 7 | 8 | 6 | 7 | 0 | 6 | 6 | 7 | 8 | 9 | 9 | 4 | 5 | 6 | 7 | 2 |
| Lymph Node, Mandibular | + | + |
| Histiocytic Sarcoma | | | | | | | | | | | X | X | | | | | | | | | | | | | | | | |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | | X | | | | | X | | | | | |
| Lymph Node, Mesenteric | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Histiocytic Sarcoma | | | | | X | | | | | X | X | X | | | | | | | | | | | | | | | | |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | | X | | | | X | | | | | | X |
| Spleen | + | + |
| Histiocytic Sarcoma | | | | | X | | | | | X | X | X | | | | | | | | | | | | | | | | |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | | X | | | | X | | | | | | |
| Thymus | + | + | + | + | + | + | + | + | M | + | + | + | M | + | + | + | + | + | + | M | M | + | M | + | + | + | + | + |
| Histiocytic Sarcoma | | | | | X | | | | | | X | | | | | | | | | | | | | | | | M | M |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | | X | | | | | | | | | | X |
| Integumentary System | |
| Mammary Gland | + | + | + | + | + | M | + |
| Adenocarcinoma | | | | | | | | | | | | | X | | | | | | | | | | | | | X | | |
| Skin | + | + |
| Osteosarcoma | | | | | | | | | | X | | | | | | | | | | | | | | | | | | |
| Sarcoma | | | | | X | | | | | | | | | | | | | | | | | | X | | | | | |
| Musculoskeletal System | |
| Bone | + | + |
| Skeletal Muscle | + | + |

* ..Total animals with tissue examined microscopically; Total animals with tumor

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

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| B6C3F1/NCTR Mouse Female
5.0%ETH/0PPM URE | | DAY ON TEST | |
|--|--|-------------|
| | | 0 | 0 |
| | | 2 | 2 | 2 | 2 | 5 | 5 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| | | 1 | 1 | 1 | 1 | 1 | 7 | 7 | 3 | 2 | 2 | 0 | 5 | 6 | 6 | 6 | 6 | 1 | 4 | 3 | 6 | 6 | 6 | 1 | 6 | 6 | 6 | 6 | 6 |
| ANIMAL ID | | 6 | 6 | 6 | 6 | 5 | 1 | 1 | 5 | 6 | 6 | 6 | 4 | 5 | 5 | 5 | 5 | 8 | 7 | 7 | 5 | 5 | 5 | 8 | 5 | 5 | 5 | 5 | 5 |
| | | 0 | 0 |
| | | 0 | 0 | 0 | 0 | 1 | 2 | 3 | 3 | 3 | 4 | 4 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 8 | 8 | 8 | 8 | 8 | 9 |
| | | 6 | 6 | 6 | 6 | 4 | 1 | 0 | 1 | 5 | 2 | 4 | 6 | 0 | 0 | 5 | 5 | 9 | 9 | 7 | 8 | 8 | 8 | 0 | 5 | 5 | 5 | 7 | 7 |
| | | 0 | 1 | 2 | 3 | 1 | 8 | 8 | 4 | 5 | 1 | 0 | 4 | 7 | 8 | 6 | 7 | 0 | 6 | 6 | 7 | 8 | 9 | 9 | 4 | 5 | 6 | 7 | 1 |

Nervous System

| |
|--------------------------|
| Brain, Cerebellum | + |
| Brain, Cerebrum | + |
| Carcinoma, Deep Invasion | |
| Peripheral Nerve | + |
| Spinal Cord, Thoracic | + |

Respiratory System

| | |
|--|---|
| Larynx | + | + | + | + | + | + | + | M | + | M | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + |
| Lung | + |
| Alveolar/Bronchiolar Adenoma | | | | | | | | | | | | | | X | | | | | | | | | | | | | |
| Alveolar/Bronchiolar Adenoma, Multiple | | | | | | | | | | | | | | | X | | | | | | | | | | | | X |
| Alveolar/Bronchiolar Carcinoma | X |
| Histiocytic Sarcoma | | | | | X | | | | | X | X | X | | | | | | | | | | | | | | | |
| Lymphoma Malignant | X | | | | | |
| Osteosarcoma, Metastatic, Skin | | | | | | | | | | X | | | | | | | | | | | | | | | | | |
| Sarcoma, Metastatic, Skin | | | | | | X | |
| Nose | + |
| Trachea | + | M | + | + | + | + | + |

Special Senses System

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

* ..Total animals with tissue examined microscopically; Total animals with tumor

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

BLANK ..Not examined microscopically

Experiment Number: 00602-05

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Mouse/B6C3F1/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/18/2014

Time Report Requested: 00:19:34

First Dose M/F: NA / NA

Lab: NCTR

| B6C3F1/NCTR Mouse Female
5.0%ETH/0PPM URE | DAY ON TEST | |
|--|-------------|
| | 0 | 0 |
| | 2 | 2 | 2 | 2 | 5 | 5 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | |
| | 1 | 1 | 1 | 1 | 1 | 7 | 7 | 3 | 2 | 2 | 0 | 5 | 6 | 6 | 6 | 6 | 1 | 4 | 3 | 6 | 6 | 6 | 1 | 6 | 6 | 6 | 6 | |
| ANIMAL ID | 6 | 6 | 6 | 6 | 5 | 1 | 1 | 5 | 6 | 6 | 6 | 4 | 5 | 5 | 5 | 5 | 8 | 7 | 7 | 5 | 5 | 5 | 8 | 5 | 5 | 5 | 5 | |
| | 0 | 0 | |
| | 0 | 0 | |
| | 0 | 0 | 0 | 0 | 1 | 2 | 3 | 3 | 3 | 4 | 4 | 5 | 6 | 6 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 8 | 8 | 8 | 8 | 8 | 8 | |
| | 6 | 6 | 6 | 6 | 4 | 1 | 0 | 1 | 5 | 2 | 4 | 6 | 0 | 0 | 5 | 5 | 9 | 9 | 7 | 8 | 8 | 8 | 0 | 5 | 5 | 5 | 7 | |
| | 0 | 1 | 2 | 3 | 1 | 8 | 8 | 4 | 5 | 1 | 0 | 4 | 7 | 8 | 6 | 7 | 0 | 6 | 7 | 8 | 8 | 9 | 9 | 4 | 5 | 6 | 7 | |
| Adenoma | |
| Carcinoma | |
| Histiocytic Sarcoma | |
| Lacrimal Gland | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Histiocytic Sarcoma | |
| Zymbal's Gland | + | + | |
| Urinary System | |
| Kidney | + | + | |
| Histiocytic Sarcoma | |
| Lymphoma Malignant | |
| Osteosarcoma, Metastatic, Skin | |
| Urinary Bladder | + | + | |
| Histiocytic Sarcoma | |
| Lymphoma Malignant | |
| SYSTEMIC LESIONS | |
| Multiple Organ | + | + | |
| Histiocytic Sarcoma | |
| Lymphoma Malignant | |

* ..Total animals with tissue examined microscopically; Total animals with tumor

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

BLANK ..Not examined microscopically

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Species/Strain: Mouse/B6C3F1/NCTR

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Lab: NCTR

| B6C3F1/NCTR Mouse Female
5.0%ETH/0PPM URE | DAY ON TEST | | | | | | | | | | | | | | | |
|--|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ANIMAL ID | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| | 6 | 4 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | 9 | 9 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 |
| | 2 | 9 | 3 | 3 | 3 | 8 | 8 | 8 | 3 | 3 | 5 | 5 | 6 | 0 | 0 | 0 |
| | 0 | 6 | 7 | 8 | 9 | 1 | 2 | 3 | 8 | 9 | 8 | 9 | 0 | 3 | 4 | 5 |
| *TOTALS | | | | | | | | | | | | | | | | |

Alimentary System

| | | | | | | | | | | | | | | | | | |
|---------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|
| Esophagus | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 47 |
| Gallbladder | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 47 |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | 1 |
| Intestine Large | | | | | | | | | | | | | | | | | 1 |
| Intestine Large, Cecum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 47 |
| Intestine Large, Colon | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 47 |
| Intestine Large, Rectum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 |
| Intestine Small, Duodenum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 47 |
| Adenoma | | | | | | | | | | | | | | | | | 1 |
| Intestine Small, Ileum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 47 |
| Lymphoma Malignant | | | | | | | | | | | | | | | | X | 1 |
| Intestine Small, Jejunum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 47 |
| Liver | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 |
| Hepatocellular Adenoma | X | | | | | | | | | X | | X | | | | | 3 |
| Histiocytic Sarcoma | | | | | | | | | | | | | | | | | 4 |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | 4 |
| Mesentery | + | | | | | | | | | + | | | | | | | 3 |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | 1 |
| Pancreas | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 47 |
| Histiocytic Sarcoma | | | | | | | | | | | | | | | | | 3 |
| Salivary Glands | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 |

* ..Total animals with tissue examined microscopically; Total animals with tumor

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

BLANK ..Not examined microscopically

Experiment Number: 00602-05

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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: 00:19:34

First Dose M/F: NA / NA

Lab: NCTR

| B6C3F1/NCTR Mouse Female
5.0%ETH/0PPM URE | DAY ON TEST | | | | | | | | | | | | | | | | |
|--|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ANIMAL ID | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| | 6 | 4 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | 9 | 9 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 |
| | 2 | 9 | 3 | 3 | 3 | 8 | 8 | 8 | 3 | 3 | 5 | 5 | 6 | 0 | 0 | 0 | 0 |
| | 0 | 6 | 7 | 8 | 9 | 1 | 2 | 3 | 8 | 9 | 8 | 9 | 0 | 3 | 4 | 5 | 6 |
| | *TOTALS | | | | | | | | | | | | | | | | |
| Histiocytic Sarcoma | | | | | | | | | | | | | | | | | 1 |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | 1 |
| Stomach, Forestomach | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 |
| Squamous Cell Papilloma | X | | | | | | | | | | | | | | | | 2 |
| Stomach, Glandular | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 |
| Tongue | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 47 |
| Cardiovascular System | | | | | | | | | | | | | | | | | |
| Blood Vessel | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | 47 |
| Heart | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 47 |
| Endocrine System | | | | | | | | | | | | | | | | | |
| Adrenal Gland, Cortex | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 46 |
| Histiocytic Sarcoma | | | | | | | | | | | | | | | | | 1 |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | 1 |
| Adrenal Gland, Medulla | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | 44 |
| Islets, Pancreatic | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 47 |
| Parathyroid Gland | + | + | M | + | M | + | + | + | + | + | + | + | + | + | M | + | 35 |
| Pituitary Gland | + | + | + | M | + | + | + | + | + | + | + | + | + | + | M | M | 40 |
| Histiocytic Sarcoma | | | | | | | | | | | | | | | | | 1 |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | 1 |
| Pars Distalis, Adenoma | | | | | | | X | | | | | | | | | | 6 |
| Pars Distalis, Carcinoma | | | | | | | | | | X | | | | | | | 1 |
| Thyroid Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | 45 |

* ..Total animals with tissue examined microscopically; Total animals with tumor

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

BLANK ..Not examined microscopically

Experiment Number: 00602-05
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 First Dose M/F: NA / NA
 Lab: NCTR

| B6C3F1/NCTR Mouse Female
5.0%ETH/0PPM URE | DAY ON TEST | | | | | | | | | | | | | | | | | ANIMAL ID | | |
|--|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------|--|----|
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | |
| | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | | | |
| | 6 | 4 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | | | |
| | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | | | |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | |
| | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | | |
| | 9 | 9 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | | | |
| | 2 | 9 | 3 | 3 | 3 | 8 | 8 | 8 | 3 | 3 | 5 | 5 | 6 | 0 | 0 | 0 | 0 | | | |
| | 0 | 6 | 7 | 8 | 9 | 1 | 2 | 3 | 8 | 9 | 8 | 9 | 0 | 3 | 4 | 5 | 6 | | | |
| | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | |
| Lymph Node, Mandibular | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | 48 |
| Histiocytic Sarcoma | | | | | | | | | | | | | | | | | | | | 2 |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | | | | 2 |
| Lymph Node, Mesenteric | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | 45 |
| Histiocytic Sarcoma | | | | | | | | | | | | | | | | | | | | 4 |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | | X | | 4 |
| Spleen | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | 48 |
| Histiocytic Sarcoma | | | | | | | | | | | | | | | | | | | | 4 |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | | X | | 3 |
| Thymus | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | M | | | 39 |
| Histiocytic Sarcoma | | | | | | | | | | | | | | | | | | | | 2 |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | | | | 2 |
| Integumentary System | | | | | | | | | | | | | | | | | | | | |
| Mammary Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | 47 |
| Adenocarcinoma | | | | | | | | | | | | | X | | | | | | | 3 |
| Skin | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | 48 |
| Osteosarcoma | | | | | | | | | | | | | | | | | | | | 1 |
| Sarcoma | | X | | | | | | | | | | | | | | | | | | 3 |
| Musculoskeletal System | | | | | | | | | | | | | | | | | | | | |
| Bone | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | 48 |
| Skeletal Muscle | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | 48 |

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

M ..Missing tissue
 A ..Autolysis precludes evaluation
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 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
5.0%ETH/0PPM URE | DAY ON TEST | | | | | | | | | | | | | | | | | ANIMAL ID | |
|--|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------|---------|
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | |
| | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | | |
| | 6 | 4 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | | |
| | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | | |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | |
| | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | |
| | 9 | 9 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | | |
| | 2 | 9 | 3 | 3 | 3 | 8 | 8 | 8 | 3 | 3 | 5 | 5 | 6 | 0 | 0 | 0 | 0 | | |
| | 0 | 6 | 7 | 8 | 9 | 1 | 2 | 3 | 8 | 9 | 8 | 9 | 0 | 3 | 4 | 5 | 6 | | *TOTALS |
| Nervous System | | | | | | | | | | | | | | | | | | | |
| Brain, Cerebellum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | 48 |
| Brain, Cerebrum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | 48 |
| Carcinoma, Deep Invasion | | | | | | | | | | X | | | | | | | | | 1 |
| Peripheral Nerve | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | 48 |
| Spinal Cord, Thoracic | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | 48 |
| Respiratory System | | | | | | | | | | | | | | | | | | | |
| Larynx | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | 45 |
| Lung | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | 48 |
| Alveolar/Bronchiolar Adenoma | | | | X | | | | | | | | | | | | | | | 4 |
| Alveolar/Bronchiolar Adenoma, Multiple | | | | | | | | | | | | | | | | | | | 1 |
| Alveolar/Bronchiolar Carcinoma | | | | | | | | | | | | | | | | | | | 1 |
| Histiocytic Sarcoma | | | | | | | | | | | | | | | | | | | 4 |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | | | 1 |
| Osteosarcoma, Metastatic, Skin | | | | | | | | | | | | | | | | | | | 1 |
| Sarcoma, Metastatic, Skin | | | | | | | | | | | | | | | | | | | 1 |
| Nose | + | + | + | + | + | + | + | + | + | + | + | + | + | + | I | + | + | | 47 |
| Trachea | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | 47 |
| Special Senses System | | | | | | | | | | | | | | | | | | | |
| Eye | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | 48 |
| Harderian Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | 48 |

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

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 First Dose M/F: NA / NA
 Lab: NCTR

| B6C3F1/NCTR Mouse Female
5.0%ETH/0PPM URE | | DAY ON TEST | | | | | | | | | | | | | | | | ANIMAL ID | *TOTALS |
|--|--|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------|---------|
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | |
| | | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | | |
| | | 6 | 4 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | | |
| | | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | | |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | |
| | | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | |
| | | 9 | 9 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | | |
| | | 2 | 9 | 3 | 3 | 3 | 8 | 8 | 8 | 3 | 3 | 5 | 5 | 6 | 0 | 0 | 0 | | |
| | | 0 | 6 | 7 | 8 | 9 | 1 | 2 | 3 | 8 | 9 | 8 | 9 | 0 | 3 | 4 | 5 | | |
| Adenoma | | X | | | | | | | | | | | | | | | | 4 | |
| Carcinoma | | X | | | | | | | | | | | | | | | | 1 | |
| Histiocytic Sarcoma | | | | | | | | | | | | | | | | | | 1 | |
| Lacrimal Gland | | + | M | + | + | + | + | + | + | + | + | + | + | + | + | M | + | | |
| Histiocytic Sarcoma | | | | | | | | | | | | | | | | | | 1 | |
| Zymbal's Gland | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | |
| Urinary System | | | | | | | | | | | | | | | | | | 48 | |
| Kidney | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | |
| Histiocytic Sarcoma | | | | | | | | | | | | | | | | | | 1 | |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | | 2 | |
| Osteosarcoma, Metastatic, Skin | | | | | | | | | | | | | | | | | | 1 | |
| Urinary Bladder | | + | + | + | + | + | + | + | + | I | + | + | + | + | + | + | M | | |
| Histiocytic Sarcoma | | | | | | | | | | | | | | | | | | 1 | |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | | 1 | |
| SYSTEMIC LESIONS | | | | | | | | | | | | | | | | | | | |
| Multiple Organ | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | |
| Histiocytic Sarcoma | | | | | | | | | | | | | | | | | | 4 | |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | | X | |

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

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

Experiment Number: 00602-05

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Mouse/B6C3F1/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/18/2014

Time Report Requested: 00:19:35

First Dose M/F: NA / NA

Lab: NCTR

| B6C3F1/NCTR Mouse Female
5.0%ETH/10PPMURE | | DAY ON TEST | |
|--|--|-------------|
| | | 0 | 0 |
| | | 2 | 2 | 3 | 5 | 5 | 6 | 6 | 6 | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| | | 9 | 9 | 7 | 1 | 3 | 4 | 4 | 6 | 8 | 2 | 7 | 6 | 6 | 6 | 6 | 5 | 5 | 5 | 5 | 5 | 5 | 3 | 5 | 5 | 5 | 0 | 5 | 5 |
| ANIMAL ID | | 0 | 0 |
| | | 0 | 0 |
| | | 0 | 0 | 0 | 2 | 2 | 3 | 3 | 4 | 4 | 4 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 8 |
| | | 6 | 6 | 9 | 1 | 2 | 0 | 8 | 6 | 6 | 7 | 1 | 5 | 5 | 5 | 1 | 1 | 1 | 6 | 6 | 6 | 7 | 2 | 2 | 2 | 4 | 8 | 8 | 8 |
| | | 8 | 9 | 5 | 5 | 9 | 0 | 7 | 0 | 8 | 5 | 1 | 0 | 1 | 2 | 3 | 5 | 6 | 7 | 3 | 4 | 5 | 2 | 4 | 5 | 6 | 1 | 0 | 1 |

Alimentary System

| |
|----------------------------------|
| Esophagus | + |
| Gallbladder | + | + | + | + | + | + | + | A | + | + | M | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + |
| Intestine Large, Cecum | + | + | + | + | A | + | + | A | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Mast Cell Tumor Malignant | X | | | | |
| Intestine Large, Colon | + | + | + | + | + | + | + | A | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Large, Rectum | + |
| Sarcoma, Metastatic, Skin |
| Intestine Small, Duodenum | + | + | + | + | A | + | + | A | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Lymphoma Malignant | | | | | | | | | | | | X | | | | | | | | | | | | | | | |
| Intestine Small, Ileum | + | + | + | + | A | + | + | A | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Small, Jejunum | + | + | + | + | A | + | + | A | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Liver | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Hepatocellular Adenoma | | | | | | | | | | | X | | X | | | | | | X | | | | | | | | |
| Hepatocellular Adenoma, Multiple | | | | | | | | | X | | | | | | | | | | | | | | | | | | |
| Hepatocellular Carcinoma |
| Lymphoma Malignant | | | | | X | | X | | | | | X | | | | | | | | | | | | | | | |
| Mast Cell Tumor Malignant | X | | | | | |
| Sarcoma, Metastatic, Skin | | | | | | | | | X | | | | | | | | | | | | | | | | | | |
| Mesentery | | | | | | | | | | | | | + | | + | | | | | | | | | | | | |
| Pancreas | + | + | + | + | A | + | + | A | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Sarcoma, Metastatic, Skin | | | | | | | | | X | | | | | | | | | | | | | | | | | | |

* ..Total animals with tissue examined microscopically; Total animals with tumor

+ ..Tissue examined microscopically

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Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/18/2014

Time Report Requested: 00:19:36

First Dose M/F: NA / NA

Lab: NCTR

| B6C3F1/NCTR Mouse Female
5.0%ETH/10PPMURE | DAY ON TEST | |
|--|-------------|
| | 0 | 0 |
| | 2 | 2 | 3 | 5 | 5 | 6 | 6 | 6 | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| | 9 | 9 | 7 | 1 | 3 | 4 | 4 | 6 | 8 | 3 | 6 | 5 | 6 | 6 | 6 | 6 | 5 | 5 | 5 | 5 | 5 | 3 | 5 | 5 | 5 | 0 | 5 | 5 |
| ANIMAL ID | 0 | 0 |
| | 0 | 0 |
| | 0 | 0 | 0 | 2 | 2 | 3 | 3 | 4 | 4 | 4 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 8 |
| | 6 | 6 | 9 | 1 | 2 | 0 | 8 | 6 | 6 | 7 | 1 | 5 | 5 | 5 | 1 | 1 | 1 | 6 | 6 | 6 | 7 | 2 | 2 | 2 | 4 | 8 | 8 | 4 |
| | 8 | 9 | 5 | 5 | 9 | 0 | 7 | 0 | 8 | 5 | 1 | 0 | 1 | 2 | 3 | 5 | 6 | 7 | 3 | 4 | 5 | 2 | 4 | 5 | 6 | 1 | 0 | 1 |
| Teratoma Malignant, Metastatic, Ovary | | | | X | |
| Salivary Glands | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + |
| Mast Cell Tumor Malignant | | X | | | | | |
| Stomach, Forestomach | + | + | + | + | + | + | + | A | + |
| Squamous Cell Papilloma | | X | | | | |
| Stomach, Glandular | + | + | + | + | M | + | + | A | + |
| Mast Cell Tumor Malignant | | X | | | | | |
| Tongue | + | + |
| Cardiovascular System | |
| Blood Vessel | + | + |
| Heart | + | + |
| Lymphoma Malignant | | | | | X | |
| Endocrine System | |
| Adrenal Gland, Cortex | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Subcapsular, Carcinoma | | X | | |
| Adrenal Gland, Medulla | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | M | + |
| Pheochromocytoma Malignant | | | | | | | | | | | | | | X | | | | | | | | | | | | | | |
| Islets, Pancreatic | + | + | + | + | A | + | + | A | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Adenoma | | | | | | | | | | | X | | | | | | | | | | | | | | | | | |
| Sarcoma, Metastatic, Skin | | | | | | | | | | X | | | | | | | | | | | | | | | | | | |
| Parathyroid Gland | + | + | + | + | + | M | M | + | + | M | + | + | + | + | + | M | + | + | + | M | + | + | + | + | + | + | + | + |
| Pituitary Gland | + | + | + | M | + | + | + | + | + | + | M | + | + | M | + | + | M | + | M | + | M | + | + | M | + | + | + | + |

* ..Total animals with tissue examined microscopically; Total animals with tumor

+ ..Tissue examined microscopically

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I ..Insufficient tissue

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| B6C3F1/NCTR Mouse Female
5.0%ETH/10PPMURE | DAY ON TEST | 0 |
|--|-------------|
| | | 2 | 2 | 3 | 5 | 5 | 6 | 6 | 6 | 7 | 6 | 7 |
| | | 2 | 2 | 4 | 3 | 5 | 4 | 6 | 8 | 3 | 6 | 5 | 6 |
| | | 9 | 9 | 7 | 1 | 3 | 4 | 4 | 6 | 8 | 2 | 7 | 6 | 6 | 6 | 6 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 3 | 5 | 5 | 5 | 0 | 5 | 5 | 5 | 5 | 5 | 5 |
| | ANIMAL ID | 0 |
| | 0 | 0 | |
| | 0 | 0 | 0 | 2 | 2 | 3 | 3 | 4 | 4 | 4 | 5 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 8 | 8 | 8 |
| | 6 | 6 | 9 | 1 | 2 | 0 | 8 | 6 | 6 | 7 | 1 | 5 | 5 | 5 | 5 | 1 | 1 | 1 | 6 | 6 | 6 | 6 | 7 | 2 | 2 | 2 | 4 | 8 | 8 | 8 | 8 | 4 | 4 | 4 |
| | 8 | 9 | 5 | 5 | 9 | 0 | 7 | 0 | 8 | 5 | 1 | 0 | 1 | 2 | 3 | 5 | 6 | 7 | 3 | 4 | 5 | 2 | 4 | 5 | 6 | 1 | 0 | 1 | 2 | 6 | 6 | 7 | 7 | |
| Bone Marrow | + | + | + | + | A | + | + | A | + | |
| Lymph Node | | | | | | | | | | | | | + | | | | | | | | | | | | | | | | | | + | | | |
| Axillary, Sarcoma, Metastatic, Skin | |
| Lumbar, Lymphoma Malignant | | | | | | | | | | | | | | X | |
| Lumbar, Sarcoma, Metastatic, Skin | |
| Renal, Lymphoma Malignant | | | | | | | | | | | | | | | X | | | | | | | | | | | | | | | | | | | |
| Renal, Sarcoma, Metastatic, Skin | |
| Lymph Node, Mandibular | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | M | + | + | + | + | + | + | + | + | + | + | + | |
| Lymphoma Malignant | | | | | | | | X | | | | | | | X | | | | | | | | | | | | | | | | | | | |
| Mast Cell Tumor Malignant | |
| Lymph Node, Mesenteric | + | + | + | + | A | + | + | A | + | M | + | + | + | + | + | + | + | + | M | + | + | M | + | + | + | + | M | + | + | + | + | + | + | |
| Lymphoma Malignant | | | | | | | | X | | | | | | | X | | | | | | | | | | | | | | | | | | | |
| Mast Cell Tumor Malignant | |
| Spleen | + | + | + | + | + | + | + | A | + | |
| Hemangiosarcoma | |
| Lymphoma Malignant | | | | | X | | X | | | | | | | X | | | | | | | | | | | | | | | | | | X | | |
| Mast Cell Tumor Malignant | |
| Sarcoma, Metastatic, Skin | | | | | | | | | | X | |
| Thymus | + | + | + | + | + | + | + | + | + | + | + | + | M | + | M | + | + | + | M | + | M | + | + | + | + | + | + | + | M | M | + | + | + | |
| Lymphoma Malignant | |
| Sarcoma, Metastatic, Skin | | | | | | | | | | X | |
| Integumentary System | |

* ..Total animals with tissue examined microscopically; Total animals with tumor

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

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First Dose M/F: NA / NA

Lab: NCTR

| B6C3F1/NCTR Mouse Female
5.0%ETH/10PPMURE | | DAY ON TEST | |
|--|--|-------------|--|
| | | ANIMAL ID | |
| | | | |
| | | | |
| Mammary Gland | | + | + | | |
| Adenocarcinoma | | | | | | | X | | X | | X | | | |
| Skin | | + | + | |
| Sarcoma | | | | | | | | | | X | | | | | | | | | | | | X | | | | | | | | | | | |
| Musculoskeletal System | | | |
| Bone | | + | + | |
| Skeletal Muscle | | + | + | |
| Diaphragm, Teratoma Malignant, Metastatic, Ovary | | | | | X | |
| Mast Cell Tumor Malignant | | | |
| Sarcoma, Metastatic, Skin | | | | | | | | | | X | |
| Nervous System | | | |
| Brain, Cerebellum | | + | + | |
| Brain, Cerebrum | | + | + | |
| Peripheral Nerve | | + | + | |
| Spinal Cord, Thoracic | | + | + | |
| Respiratory System | | | |
| Larynx | | + | + | + | M | + | |
| Lung | | + | + | |
| Adenocarcinoma, Metastatic, Mammary Gland | | | | | | | X | |
| Alveolar/Bronchiolar Adenoma | | | | | | | | | | | X | | | X | | | | | X | | | | | | | | | | | X | | | |

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| B6C3F1/NCTR Mouse Female
5.0%ETH/10PPMURE | DAY ON TEST | 0 | |
|--|-------------|
| | | 2 | 2 | 3 | 5 | 5 | 6 | 6 | 6 | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | |
| | | 2 | 2 | 4 | 3 | 5 | 4 | 6 | 8 | 3 | 6 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | |
| | | 9 | 9 | 7 | 1 | 3 | 4 | 4 | 6 | 8 | 2 | 7 | 6 | 6 | 6 | 6 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 3 | 5 | 5 | 5 | 0 | 5 | 5 | 5 |
| | ANIMAL ID | 0 |
| | 0 | 0 |
| | 0 | 0 | 0 | 2 | 2 | 3 | 3 | 4 | 4 | 4 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 8 | 8 | |
| | 6 | 6 | 9 | 1 | 2 | 0 | 8 | 6 | 6 | 7 | 1 | 5 | 5 | 5 | 5 | 1 | 1 | 1 | 6 | 6 | 6 | 7 | 2 | 2 | 2 | 4 | 8 | 8 | 8 | 4 | 4 |
| | 8 | 9 | 5 | 5 | 9 | 0 | 7 | 0 | 8 | 5 | 1 | 0 | 1 | 2 | 3 | 5 | 6 | 7 | 3 | 4 | 5 | 2 | 4 | 5 | 6 | 1 | 0 | 1 | 2 | 6 | 7 |
| Alveolar/Bronchiolar Adenoma, Multiple | | X | | | | | | | | | | |
| Alveolar/Bronchiolar Carcinoma | | | | | | | | | | | | | | | X | | | | | | | | | | X | X | | | | | |
| Alveolar/Bronchiolar Carcinoma, Multiple | | X | | | | | | | | | |
| Leukemia | | | | | | | | | | X | |
| Lymphoma Malignant | | | | | | X | |
| Sarcoma, Metastatic, Skin | | | | | | | | | | | X | |
| Nose | + | + |
| Trachea | + | + |
| Special Senses System | |
| Eye | + | + |
| Harderian Gland | + | + |
| Adenoma | | X | |
| Bilateral, Carcinoma | |
| Carcinoma | | | | | | | | | | X | | | | | | X | X | | | X | | | | | | | | | | | X |
| Lacrimal Gland | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + |
| Mast Cell Tumor Malignant | | X | | | | | | |
| Zymbal's Gland | + | + | M | + | + | + | + | + | + | + | + | + |
| Urinary System | |
| Kidney | + | + |
| Mast Cell Tumor Malignant | | X | | | | | | |
| Sarcoma, Metastatic, Skin | | | | | | | | | | X | |
| Urinary Bladder | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + |

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| | |
|--|-------------|
| B6C3F1/NCTR Mouse Female
5.0%ETH/10PPMURE | DAY ON TEST | 0 | |
| | | 2 | 2 | 3 | 5 | 5 | 6 | 6 | 6 | 7 | 6 | 7 |
| | | 2 | 2 | 4 | 3 | 5 | 4 | 6 | 8 | 3 | 6 | 5 | 6 |
| | | 9 | 9 | 7 | 1 | 3 | 4 | 4 | 6 | 8 | 2 | 7 | 6 | 6 | 6 | 6 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 3 | 5 | 5 | 5 | 0 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| | ANIMAL ID | 0 | |
| | | 0 | |
| | | 0 | 0 | 0 | 2 | 2 | 3 | 3 | 4 | 4 | 4 | 5 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 8 | 8 | 8 | |
| | | 6 | 6 | 9 | 1 | 2 | 0 | 8 | 6 | 6 | 7 | 1 | 5 | 5 | 5 | 5 | 1 | 1 | 1 | 6 | 6 | 6 | 7 | 2 | 2 | 2 | 2 | 4 | 8 | 8 | 8 | 7 | 4 | 4 | 4 |
| | | 8 | 9 | 5 | 5 | 9 | 0 | 7 | 0 | 8 | 5 | 1 | 0 | 1 | 2 | 3 | 5 | 6 | 7 | 3 | 4 | 5 | 2 | 4 | 5 | 6 | 1 | 0 | 1 | 2 | 6 | 4 | 7 | 7 | 7 |

SYSTEMIC LESIONS

| |
|--------------------|
| Multiple Organ | + |
| Leukemia | | | | | | | | | | | X | | | | | | | | | | | | | | | | | | |
| Lymphoma Malignant | | | | | X | | X | | | | | X | | | | | | | | | | | | X | | | | | |

* ..Total animals with tissue examined microscopically; Total animals with tumor

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5.0%ETH/10PPMURE | DAY ON TEST | | | | | | | | | | | | | | | | |
|--|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ANIMAL ID | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| | 6 | 6 | 2 | 6 | 4 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 5 | 6 |
| | 5 | 5 | 1 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 4 | 5 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 2 |
| | 4 | 4 | 7 | 1 | 4 | 7 | 7 | 7 | 4 | 4 | 4 | 8 | 8 | 4 | 4 | 5 | 0 |
| | 8 | 9 | 8 | 2 | 2 | 1 | 2 | 3 | 1 | 2 | 3 | 8 | 9 | 1 | 2 | 2 | 9 |
| *TOTALS | | | | | | | | | | | | | | | | | |

Alimentary System

| | | | | | | | | | | | | | | | | | |
|----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|
| Esophagus | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 |
| Gallbladder | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | 44 |
| Intestine Large, Cecum | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | 44 |
| Mast Cell Tumor Malignant | | | | | | | | | | | | | | | | | 1 |
| Intestine Large, Colon | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | 45 |
| Intestine Large, Rectum | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | 47 |
| Sarcoma, Metastatic, Skin | | | | | | | | X | | | | | | | | | 1 |
| Intestine Small, Duodenum | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | 44 |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | 1 |
| Intestine Small, Ileum | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | 44 |
| Intestine Small, Jejunum | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | 44 |
| Liver | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 47 |
| Hepatocellular Adenoma | | | | | | | X | | | | | | | | | | 4 |
| Hepatocellular Adenoma, Multiple | | | | X | | | | | | | | | | | | | 2 |
| Hepatocellular Carcinoma | | | | | | | | | | | | | X | | | | 1 |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | 3 |
| Mast Cell Tumor Malignant | | | | | | | | | | | | | | | | | 1 |
| Sarcoma, Metastatic, Skin | | | | | | | | | | | | | | | | | 1 |
| Mesentery | | | | | | | | | | | | + | | | | | 3 |
| Pancreas | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 45 |
| Sarcoma, Metastatic, Skin | | | | | | | | | | | | | | | | | 1 |

* ..Total animals with tissue examined microscopically; Total animals with tumor

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

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Lab: NCTR

| B6C3F1/NCTR Mouse Female
5.0%ETH/10PPMURE | DAY ON TEST | | | | | | | | | | | | | | | | | ANIMAL ID | |
|--|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------|----|
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | |
| | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | | |
| | 6 | 6 | 2 | 6 | 4 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 5 | 6 | |
| | 5 | 5 | 1 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 4 | 5 | |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | |
| | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 2 | |
| | 4 | 4 | 7 | 1 | 4 | 7 | 7 | 7 | 4 | 4 | 4 | 8 | 8 | 4 | 4 | 5 | 0 | | |
| | 8 | 9 | 8 | 2 | 2 | 1 | 2 | 3 | 1 | 2 | 3 | 8 | 9 | 1 | 2 | 2 | 9 | | |
| | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | |
| Teratoma Malignant, Metastatic, Ovary | | | | | | | | | | | | | | | | | | | 1 |
| Salivary Glands | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | 47 |
| Mast Cell Tumor Malignant | | | | | | | | | | | | | | | | | | | 1 |
| Stomach, Forestomach | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | 47 |
| Squamous Cell Papilloma | X | | | | | | | X | | | | | | | | | | | 3 |
| Stomach, Glandular | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | 46 |
| Mast Cell Tumor Malignant | | | | | | | | | | | | | | | | | | | 1 |
| Tongue | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | 48 |
| Cardiovascular System | | | | | | | | | | | | | | | | | | | |
| Blood Vessel | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | 48 |
| Heart | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | 48 |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | | | 1 |
| Endocrine System | | | | | | | | | | | | | | | | | | | |
| Adrenal Gland, Cortex | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | 46 |
| Subcapsular, Carcinoma | | | | | | | | | | | | | | | | | | | 1 |
| Adrenal Gland, Medulla | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | 44 |
| Pheochromocytoma Malignant | | | | | | | | | | | | | | | | | | | 1 |
| Islets, Pancreatic | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | 45 |
| Adenoma | | | | | | | | | | | | | | | | | | | 1 |
| Sarcoma, Metastatic, Skin | | | | | | | | | | | | | | | | | | | 1 |
| Parathyroid Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | M | 41 |
| Pituitary Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | 41 |

* ..Total animals with tissue examined microscopically; Total animals with tumor

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

BLANK ..Not examined microscopically

Experiment Number: 00602-05

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Mouse/B6C3F1/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/18/2014

Time Report Requested: 00:19:38

First Dose M/F: NA / NA

Lab: NCTR

| B6C3F1/NCTR Mouse Female
5.0%ETH/10PPMURE | DAY ON TEST | | | | | | | | | | | | | | | | | ANIMAL ID | | |
|--|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------|--|--|
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | |
| | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | | | |
| | 6 | 6 | 2 | 6 | 4 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 5 | 6 | | | |
| | 5 | 5 | 1 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 4 | 5 | | | |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | | |
| | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | | | |
| | 4 | 4 | 7 | 1 | 4 | 7 | 7 | 7 | 4 | 4 | 4 | 8 | 8 | 8 | 4 | 4 | 5 | | | |
| | 8 | 9 | 8 | 2 | 2 | 1 | 2 | 3 | 1 | 2 | 3 | 8 | 9 | 1 | 2 | 2 | 9 | | | |
| | | | | | | | | | | | | | | | | | | | | |
| Pars Distalis, Adenoma | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | |
| Thyroid Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | |
| | | | | | | | | | | | | | | | | | | | | |
| General Body System | | | | | | | | | | | | | | | | | | | | |
| Tissue NOS | | | | | | | | | | | | | | | | | | | | |
| Thoracic, Alveolar/Bronchiolar Carcinoma, Metastatic, Lung | | | | | | | | | | | | | | | | | | | | |
| Genital System | | | | | | | | | | | | | | | | | | | | |
| Clitoral Gland | + | + | + | + | + | + | + | M | + | + | + | + | + | M | M | M | + | | | |
| Ovary | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | |
| Cystadenoma | | | | | | | | | | | | | | | | | | | | |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | | | | |
| Sarcoma, Metastatic, Skin | | | | | | | | | | | | | | | | | | | | |
| Teratoma Malignant | | | | | | | | | | | | | | | | | | | | |
| Uterus | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | |
| Endometrium, Adenoma | | | | | | | | | | | | | | | | | | | | |
| Hemangioma | | | | | | | | | | | | | | | | | | | | |
| Hemangiosarcoma | | | | | | | | | | | | | | | | | | | | |
| Polyp Stromal | | | | | | | | | | | | | | | | | | | | |
| Vagina | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | |
| Sarcoma, Metastatic, Skin | | | | | | | | | | | | | | | | | | | | |
| Hematopoietic System | | | | | | | | | | | | | | | | | | | | |

* ..Total animals with tissue examined microscopically; Total animals with tumor

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

BLANK ..Not examined microscopically

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Lab: NCTR

| B6C3F1/NCTR Mouse Female
5.0%ETH/10PPMURE | DAY ON TEST | | | | | | | | | | | | | | | | | ANIMAL ID | | |
|--|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------|--|----|
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | |
| | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | | | |
| | 6 | 6 | 2 | 6 | 4 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 5 | | | |
| | 5 | 5 | 1 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 4 | | | |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | | |
| | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | | | |
| | 4 | 4 | 7 | 1 | 4 | 7 | 7 | 7 | 4 | 4 | 4 | 8 | 8 | 4 | 4 | 5 | 0 | | | |
| | 8 | 9 | 8 | 2 | 2 | 1 | 2 | 3 | 1 | 2 | 3 | 8 | 9 | 1 | 2 | 2 | 9 | | | |
| | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | |
| Bone Marrow | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | 46 |
| Lymph Node | | | | | + | | | | | | | | | | | | + | | | 4 |
| Axillary, Sarcoma, Metastatic, Skin | | | | | X | | | | | | | | | | | | | | | 1 |
| Lumbar, Lymphoma Malignant | | | | | | | | | | | | | | | | | | | | 1 |
| Lumbar, Sarcoma, Metastatic, Skin | | | | | | | | | | | | | | | | | X | | | 1 |
| Renal, Lymphoma Malignant | | | | | | | | | | | | | | | | | | | | 1 |
| Renal, Sarcoma, Metastatic, Skin | | | | | | | | | | | | | | | | | X | | | 1 |
| Lymph Node, Mandibular | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | 46 |
| Lymphoma Malignant | | | | | | | X | | | | | | | | | | | | | 3 |
| Mast Cell Tumor Malignant | | | | | | | | | | | | | | | | | | | | 1 |
| Lymph Node, Mesenteric | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | 42 |
| Lymphoma Malignant | | | | | | X | | | | X | | | | | | | | | | 5 |
| Mast Cell Tumor Malignant | | | | | | | | | | | | | | | | | | | | 1 |
| Spleen | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | 47 |
| Hemangiosarcoma | | | | | | | | | | | | | | | | | | | | 1 |
| Lymphoma Malignant | | | | | | X | | | | | | | | | | | | | | 4 |
| Mast Cell Tumor Malignant | | | | | | | | | | | | | | | | | | | | 1 |
| Sarcoma, Metastatic, Skin | | | | | | | | X | | | | | | | | | | | | 2 |
| Thymus | + | + | M | + | M | M | + | M | + | + | + | + | + | + | + | + | + | | | 38 |
| Lymphoma Malignant | | | | | | | X | | | | | | | | | | | | | 1 |
| Sarcoma, Metastatic, Skin | | | | | | | | | | | | | | | | | | | | 1 |
| Integumentary System | | | | | | | | | | | | | | | | | | | | |

* ..Total animals with tissue examined microscopically; Total animals with tumor

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

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Lab: NCTR

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|--|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------|--|----|
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | |
| | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | | | |
| | 6 | 6 | 2 | 6 | 4 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 5 | | | |
| | 5 | 5 | 1 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 4 | | | |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | | |
| | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | | | |
| | 4 | 4 | 7 | 1 | 4 | 7 | 7 | 7 | 4 | 4 | 4 | 8 | 8 | 4 | 4 | 5 | 0 | | | |
| | 8 | 9 | 8 | 2 | 2 | 1 | 2 | 3 | 1 | 2 | 3 | 8 | 9 | 1 | 2 | 2 | 9 | | | |
| | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | |
| Mammary Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | 48 |
| Adenocarcinoma | | | | | | | | | | | | | | | | X | | | | 4 |
| Skin | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | 48 |
| Sarcoma | | | X | | X | | | X | | X | | | | | | | X | | | 7 |
| Musculoskeletal System | | | | | | | | | | | | | | | | | | | | |
| Bone | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | 48 |
| Skeletal Muscle | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | 48 |
| Diaphragm, Teratoma Malignant, Metastatic, Ovary | | | | | | | | | | | | | | | | | | | | 1 |
| Mast Cell Tumor Malignant | | | | | | | | | | | | | | | | | | | | 1 |
| Sarcoma, Metastatic, Skin | | | | | | | | | | | | | | | | | | | | 1 |
| Nervous System | | | | | | | | | | | | | | | | | | | | |
| Brain, Cerebellum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | 48 |
| Brain, Cerebrum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | 48 |
| Peripheral Nerve | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | 48 |
| Spinal Cord, Thoracic | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | 48 |
| Respiratory System | | | | | | | | | | | | | | | | | | | | |
| Larynx | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | 47 |
| Lung | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | 48 |
| Adenocarcinoma, Metastatic, Mammary Gland | | | | | | | | | | | | | | | | | | | | 1 |
| Alveolar/Bronchiolar Adenoma | | | X | | X | | | | | | X | X | | | | | | | | 8 |

* ..Total animals with tissue examined microscopically; Total animals with tumor

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

BLANK ..Not examined microscopically

Experiment Number: 00602-05

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Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/18/2014

Time Report Requested: 00:19:38

First Dose M/F: NA / NA

Lab: NCTR

| B6C3F1/NCTR Mouse Female
5.0%ETH/10PPMURE | DAY ON TEST | | | | | | | | | | | | | | | | |
|--|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ANIMAL ID | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| | 6 | 6 | 2 | 6 | 4 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 5 | 6 | 6 |
| | 5 | 5 | 1 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 4 | 5 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 2 |
| | 4 | 4 | 7 | 1 | 4 | 7 | 7 | 7 | 4 | 4 | 4 | 8 | 8 | 4 | 4 | 5 | 0 |
| | 8 | 9 | 8 | 2 | 2 | 1 | 2 | 3 | 1 | 2 | 3 | 8 | 9 | 1 | 2 | 2 | 9 |
| | *TOTALS | | | | | | | | | | | | | | | | |
| Alveolar/Bronchiolar Adenoma, Multiple | | | | | | | | | | | | | | X | | | 2 |
| Alveolar/Bronchiolar Carcinoma | | | | | | | | | X | | | | | | | X | 5 |
| Alveolar/Bronchiolar Carcinoma, Multiple | X | | | | | | | | | | | | | | | | 2 |
| Leukemia | | | | | | | | | | | | | | | | | 1 |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | 1 |
| Sarcoma, Metastatic, Skin | | | X | | X | | | X | | | | | | | | | 4 |
| Nose | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 |
| Trachea | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 |
| Special Senses System | | | | | | | | | | | | | | | | | |
| Eye | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 |
| Harderian Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 |
| Adenoma | | | X | | | | | X | X | | X | X | | | | X | 7 |
| Bilateral, Carcinoma | | | | | | | | | | | | | | | X | | 1 |
| Carcinoma | | X | | X | | X | X | | | X | | | | | | | 10 |
| Lacrimal Gland | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | 45 |
| Mast Cell Tumor Malignant | | | | | | | | | | | | | | | | | 1 |
| Zymbal's Gland | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | 46 |
| Urinary System | | | | | | | | | | | | | | | | | |
| Kidney | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 |
| Mast Cell Tumor Malignant | | | | | | | | | | | | | | | | | 1 |
| Sarcoma, Metastatic, Skin | | | | | | | | | | | | | | | | X | 2 |
| Urinary Bladder | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 46 |

* ..Total animals with tissue examined microscopically; Total animals with tumor

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

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 Species/Strain: Mouse/B6C3F1/NCTR

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Date Report Requested: 10/18/2014
 Time Report Requested: 00:19:38
 First Dose M/F: NA / NA
 Lab: NCTR

| | | | | | | | | | | | | | | | | | | |
|--|------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| B6C3F1/NCTR Mouse Female
5.0%ETH/10PPMURE | DAY ON TEST | 0
7
6
5 | 0
7
6
5 | 0
7
2
1 | 0
7
6
5 | 0
7
4
5 | 0
7
6
5 | 0
7
6
5 | 0
7
6
5 | 0
7
6
5 | 0
7
6
5 | 0
7
6
5 | 0
7
6
5 | 0
7
6
5 | 0
7
6
5 | 0
7
5
4 | 0
7
6
5 | |
| | ANIMAL ID | 0
0
8
4
8 | 0
0
8
4
9 | 0
0
8
7
8 | 0
0
9
1
2 | 0
0
9
4
2 | 0
0
9
7
1 | 0
0
9
7
2 | 0
0
9
7
3 | 0
1
0
4
1 | 0
1
0
4
2 | 0
1
0
8
3 | 0
1
0
8
8 | 0
1
0
4
9 | 0
1
1
4
1 | 0
1
1
4
2 | 0
1
1
5
2 | 0
1
2
0
9 |
| | *TOTALS | | | | | | | | | | | | | | | | | |
| | SYSTEMIC LESIONS | | | | | | | | | | | | | | | | | |
| | Multiple Organ | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Leukemia | | | | | | | | | | | | | | | | | | 1 |
| Lymphoma Malignant | | | | | | | | X | | | | X | | | | | | 6 |

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

M ..Missing tissue
 A ..Autolysis precludes evaluation
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Time Report Requested: 00:19:39

First Dose M/F: NA / NA

Lab: NCTR

| B6C3F1/NCTR Mouse Female
5.0%ETH/30PPMURE | DAY ON TEST | |
|--|-------------|
| | 0 | 0 |
| | 2 | 3 | 6 | 5 | 6 | 5 | 6 | 6 | 5 | 6 | 6 | 6 | 6 | 7 | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| | 8 | 8 | 3 | 8 | 1 | 7 | 7 | 8 | 9 | 8 | 7 | 4 | 6 | 0 | 3 | 8 | 6 | 6 | 1 | 6 | 6 | 6 | 6 | 4 | 6 | 6 | 6 | 5 |
| ANIMAL ID | 5 | 0 | 8 | 1 | 3 | 7 | 0 | 7 | 8 | 8 | 5 | 2 | 3 | 2 | 0 | 5 | 6 | 6 | 6 | 5 | 5 | 5 | 5 | 6 | 5 | 5 | 5 | 2 |
| | 0 | 0 |
| | 0 | 0 |
| | 0 | 0 | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 6 | 7 | 7 | 8 | 8 |
| | 7 | 9 | 5 | 7 | 7 | 9 | 1 | 2 | 3 | 3 | 6 | 8 | 2 | 6 | 8 | 0 | 3 | 4 | 9 | 0 | 0 | 4 | 4 | 8 | 1 | 1 | 0 | 0 |
| | 1 | 6 | | 2 | 2 | 6 | 2 | 3 | 3 | 1 | 9 | 6 | 4 | 2 | 5 | 8 | 9 | 1 | 2 | 3 | 6 | 7 | 4 | 6 | 7 | 3 | 4 | 5 |
| Sarcoma Stromal, Metastatic, Uterus | | | | X | |
| Mesentery | | | | | | | | | | | | | | | | | | + | + | | | + | | | + | | | |
| Pancreas | + | + |
| Histiocytic Sarcoma | | X | | | | |
| Lymphoma Malignant | | | | | | X | | | X | | | | X | | | | | | | | | | | X | | | | X |
| Sarcoma Stromal, Metastatic, Uterus | | | | X | |
| Salivary Glands | + | + |
| Lymphoma Malignant | | | X | | | X | | | | | | | | | | | | X | | | | | X | | | | | |
| Stomach | | | | | | | | + | | + | | | | | | + | + | | + | + | + | | | | | | | |
| Stomach, Forestomach | + | + | + | + | + | + | + | | + | | + | + | + | + | + | | | + | | | | + | + | + | + | + | + | + |
| Squamous Cell Papilloma | | | | | | | | | | | | | | X | | | | | | | | | | | X | | | |
| Stomach, Glandular | + | + | | + | + | + | + | | + | | + | + | + | + | + | | | + | | | | + | + | + | + | + | + | + |
| Tongue | + | + |
| Cardiovascular System | |
| Blood Vessel | + | + |
| Lymphoma Malignant | X |
| Heart | + | + |
| Alveolar/Bronchiolar Carcinoma, Metastatic, Lung | | | | | | | X | |
| Hemangioma | | X | | | |
| Lymphoma Malignant | X | | X | |
| Endocrine System | |

* ..Total animals with tissue examined microscopically; Total animals with tumor

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

BLANK ..Not examined microscopically

Experiment Number: 00602-05

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Mouse/B6C3F1/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/18/2014

Time Report Requested: 00:19:39

First Dose M/F: NA / NA

Lab: NCTR

| B6C3F1/NCTR Mouse Female
5.0%ETH/30PPMURE | DAY ON TEST | |
|--|-------------|
| | 0 | 0 |
| | 2 | 3 | 6 | 5 | 6 | 5 | 6 | 6 | 5 | 6 | 6 | 6 | 6 | 7 | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| | 8 | 8 | 3 | 8 | 1 | 7 | 7 | 8 | 9 | 8 | 7 | 4 | 6 | 0 | 3 | 8 | 6 | 6 | 1 | 6 | 6 | 6 | 6 | 4 | 6 | 6 | 6 | 5 |
| ANIMAL ID | 5 | 0 | 8 | 1 | 3 | 7 | 0 | 7 | 8 | 8 | 5 | 2 | 3 | 2 | 0 | 5 | 6 | 6 | 6 | 5 | 5 | 5 | 5 | 5 | 6 | 5 | 5 | 2 |
| | 0 | 0 |
| | 0 | 0 |
| | 0 | 0 | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 6 | 7 | 7 | 8 | 8 |
| | 7 | 9 | 5 | 7 | 9 | 1 | 2 | 3 | 3 | 6 | 8 | 2 | 6 | 8 | 0 | 3 | 4 | 9 | 0 | 0 | 0 | 4 | 4 | 8 | 1 | 1 | 0 | 0 |
| | 1 | 6 | 2 | 2 | 6 | 2 | 3 | 3 | 1 | 9 | 6 | 4 | 2 | 5 | 5 | 8 | 9 | 0 | 9 | 1 | 2 | 3 | 6 | 7 | 4 | 6 | 7 | 3 |
| | |
| | |
| Adrenal Gland | |
| Adrenal Gland, Cortex | + | + | + | + | + | + | + | | + | + | + | + | + | + | + | + | + | + | + | + | | + | + | + | + | + | + | + |
| Adenoma | |
| Subcapsular, Adenoma | |
| Adrenal Gland, Medulla | + | + | | + | + | + | + | | + | | + | + | + | + | + | | | + | | | | + | + | M | + | + | + | + |
| Alveolar/Bronchiolar Carcinoma, Metastatic, Lung | |
| Islets, Pancreatic | + | + |
| Adenoma | |
| Histiocytic Sarcoma | |
| Lymphoma Malignant | |
| Parathyroid Gland | + | + | M | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Pituitary Gland | + | + | + | + | M | M | M | + | + | + | + | + | + | M | + | + | + | + | M | + | + | + | M | + | + | + | + | + |
| Pars Distalis, Adenoma | |
| Thyroid Gland | + | + |
| Follicular Cel, Adenoma | |
| General Body System | |
| NONE | |
| Genital System | |
| Clitoral Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | M | + | + | + | + | + | + | + | M | + | + | + |
| Ovary | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + |
| Adenoma, Tubular | |

* ..Total animals with tissue examined microscopically; Total animals with tumor

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

BLANK ..Not examined microscopically

Experiment Number: 00602-05

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Species/Strain: Mouse/B6C3F1/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/18/2014

Time Report Requested: 00:19:40

First Dose M/F: NA / NA

Lab: NCTR

| B6C3F1/NCTR Mouse Female
5.0%ETH/30PPMURE | DAY ON TEST | |
|--|-------------|
| | 0 | 0 |
| | 2 | 3 | 6 | 5 | 6 | 5 | 6 | 6 | 5 | 6 | 6 | 6 | 6 | 7 | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| | 8 | 8 | 3 | 8 | 1 | 7 | 7 | 8 | 9 | 8 | 7 | 4 | 6 | 0 | 3 | 8 | 6 | 6 | 1 | 6 | 6 | 6 | 6 | 4 | 6 | 6 | 6 | 5 |
| | 5 | 0 | 8 | 1 | 3 | 7 | 0 | 7 | 8 | 8 | 5 | 2 | 3 | 2 | 0 | 5 | 6 | 6 | 6 | 5 | 5 | 5 | 5 | 5 | 6 | 5 | 5 | 2 |
| ANIMAL ID | 0 | 0 |
| | 0 | 0 |
| | 0 | 0 | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 6 | 7 | 7 | 8 | 8 |
| | 7 | 9 | 5 | 7 | 7 | 9 | 1 | 2 | 3 | 3 | 6 | 8 | 2 | 6 | 8 | 0 | 3 | 4 | 9 | 0 | 0 | 4 | 4 | 8 | 1 | 1 | 0 | 0 |
| | 1 | 6 | 2 | 2 | 6 | 2 | 3 | 3 | 1 | 9 | 6 | 4 | 2 | 5 | 5 | 8 | 9 | 0 | 9 | 1 | 2 | 3 | 6 | 7 | 4 | 3 | 4 | 7 |
| Cystadenoma | | X |
| Granulosa Cell Tumor Benign | | | | | | | | | | | | | | X | | X | | | | | | X | | | | | | |
| Granulosa Cell Tumor Malignant | | | | | | | | | | | X | | | | | | | | | | | | | | | | | |
| Hemangioma | | | | | | | | | | | | | | | | | | X | | | | | | | | | | |
| Histiocytic Sarcoma | | X | | | | |
| Lymphoma Malignant | | | | X | | | X | | | | | | | X | | | | | | | | | | | X | | | X |
| Uterus | + | + |
| Alveolar/Bronchiolar Carcinoma, Metastatic, Lung | | | | | | | | X | |
| Hemangioma | | | | | | | | | | | X | | | | X | | | | | | | | | | | | | |
| Hemangiosarcoma | |
| Histiocytic Sarcoma | | X | | | | |
| Leiomyoma | | | | | | | | X | X | | | | | | | | | | | | | | | | | | | |
| Lymphoma Malignant | | | | | | | X | |
| Sarcoma Stromal | | | | X | |
| Vagina | + | + | + | + | M | + |
| Lymphoma Malignant | | | | X | | | X | |
| Sarcoma Stromal, Metastatic, Uterus | | | | X | |
| Squamous Cell Carcinoma | | X |
| Hematopoietic System | |
| Bone Marrow | + | + |
| Histiocytic Sarcoma | | | | | | | | X | |

* ..Total animals with tissue examined microscopically; Total animals with tumor

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

BLANK ..Not examined microscopically

Experiment Number: 00602-05

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Mouse/B6C3F1/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/18/2014

Time Report Requested: 00:19:40

First Dose M/F: NA / NA

Lab: NCTR

| B6C3F1/NCTR Mouse Female
5.0%ETH/30PPMURE | DAY ON TEST | |
|--|-------------|
| | 0 | 0 |
| | 2 | 3 | 6 | 5 | 6 | 5 | 6 | 6 | 5 | 6 | 6 | 6 | 6 | 7 | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| | 8 | 8 | 3 | 8 | 1 | 7 | 7 | 8 | 9 | 8 | 7 | 4 | 6 | 0 | 3 | 8 | 6 | 6 | 1 | 6 | 6 | 6 | 6 | 4 | 6 | 6 | 6 | 5 |
| ANIMAL ID | 5 | 0 | 8 | 1 | 3 | 7 | 0 | 7 | 8 | 8 | 5 | 2 | 3 | 2 | 0 | 5 | 6 | 6 | 6 | 5 | 5 | 5 | 5 | 6 | 5 | 5 | 5 | 2 |
| | 0 | 0 |
| | 0 | 0 |
| | 0 | 0 | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 6 | 7 | 7 | 8 | 8 |
| | 7 | 9 | 5 | 7 | 7 | 9 | 1 | 2 | 3 | 3 | 6 | 8 | 2 | 6 | 8 | 0 | 3 | 4 | 9 | 0 | 0 | 4 | 4 | 8 | 1 | 1 | 0 | 0 |
| | 1 | 6 | 2 | 2 | 6 | 2 | 3 | 3 | 1 | 9 | 6 | 4 | 2 | 5 | 5 | 8 | 9 | 1 | 2 | 3 | 6 | 7 | 4 | 6 | 7 | 3 | 4 | 5 |
| Lymphoma Malignant | X |
| Lymph Node | | | + | + | | + | + | | + | + | + | | | | | | + | | | + | + | | | | + | + | | + |
| Axillary, Lymphoma Malignant | | | | | | | | | X | | | | | | | | | | | | | | | | | | | |
| Iliac, Lymphoma Malignant | | | | | | X | |
| Inguinal, Lymphoma Malignant | | | X | | | | | | X | | | | | | | | | | | | | | | | | X | | |
| Lumbar, Alveolar/Bronchiolar Carcinoma, Metastatic, Lung | | | | | | | | X | |
| Lumbar, Lymphoma Malignant | | | X | | | | | | X | | | | X | | | | | | | | | | | X | | | | X |
| Renal, Lymphoma Malignant | | | | | | | | | X | | | | X | | | | | | | | | | | | | | | X |
| Renal, Sarcoma Stromal, Metastatic, Uterus | | | | X | |
| Thoracic, Lymphoma Malignant | |
| Lymph Node, Mandibular | + | + | + | + | + | + | M | | + | | + | + | + | + | + | + | | + | | | + | + | + | + | M | + | + | + |
| Lymphoma Malignant | | | X | | | X | | | X | | | | X | | | | | X | | | | | X | | X | | | X |
| Lymph Node, Mesenteric | + | + | + | + | + | M | + | + | + | | + | + | + | + | + | + | + | + | + | | + | + | + | + | + | + | + | + |
| Histiocytic Sarcoma | | | | | | | | X | | | | | | | | | | | | | | | | X | | | | |
| Lymphoma Malignant | | | X | | | | | | X | | | | X | | | | | X | X | | | | | X | | | X | X |
| Sarcoma Stromal, Metastatic, Uterus | | | | X | |
| Spleen | + | + |
| Hemangioma | |
| Histiocytic Sarcoma | | | | | | | | X | | | | | | | | | | | | | | | X | | | | | |
| Lymphoma Malignant | | | X | | | X | | | X | | | | X | | | | | | | | | | | X | | | | X |
| Sarcoma Stromal, Metastatic, Uterus | | | | X | |
| Thymus | + | + | + | + | + | + | + | + | + | M | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + |

* ..Total animals with tissue examined microscopically; Total animals with tumor

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

BLANK ..Not examined microscopically

Experiment Number: 00602-05

Test Type: CHRONIC

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Species/Strain: Mouse/B6C3F1/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/18/2014

Time Report Requested: 00:19:40

First Dose M/F: NA / NA

Lab: NCTR

| B6C3F1/NCTR Mouse Female
5.0%ETH/30PPMURE | DAY ON TEST | |
|--|-------------|
| | 0 | 0 |
| | 2 | 3 | 6 | 5 | 6 | 5 | 6 | 6 | 5 | 6 | 6 | 6 | 6 | 7 | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| | 8 | 8 | 3 | 8 | 1 | 7 | 7 | 8 | 9 | 8 | 7 | 4 | 6 | 0 | 3 | 8 | 6 | 6 | 1 | 6 | 6 | 6 | 6 | 4 | 6 | 6 | 6 | 5 |
| ANIMAL ID | 5 | 0 | 8 | 1 | 3 | 7 | 0 | 7 | 8 | 8 | 5 | 2 | 3 | 2 | 0 | 5 | 6 | 6 | 5 | 5 | 5 | 5 | 5 | 6 | 5 | 5 | 5 | 2 |
| | 0 | 0 |
| | 0 | 0 |
| | 0 | 0 | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 6 | 7 | 7 | 8 | 8 |
| | 7 | 9 | 5 | 7 | 7 | 9 | 1 | 2 | 3 | 3 | 6 | 8 | 2 | 6 | 8 | 0 | 3 | 4 | 9 | 0 | 0 | 0 | 4 | 4 | 8 | 1 | 1 | 0 |
| | 1 | 6 | 2 | 2 | 6 | 2 | 3 | 3 | 1 | 9 | 6 | 4 | 2 | 5 | 5 | 8 | 9 | 0 | 9 | 1 | 2 | 3 | 6 | 7 | 4 | 6 | 7 | 3 |
| Alveolar/Bronchiolar Carcinoma, Metastatic, Lung | X |
| Lymphoma Malignant | X | | X | | | X | | | X | | | | X | | | | | | | | | | | X | | X | X | |
| Integumentary System | |
| Mammary Gland | + | + |
| Adenoacanthoma | |
| Adenocarcinoma | | | | | | | | | X | | X | | X | | | | | X | | | X | | | | X | | | |
| Lymphoma Malignant | | | | | | X | |
| Skin | + | + |
| Lymphoma Malignant | | | | | | X | |
| Sarcoma | | | | | | | | | | | | | | X | | X | | | | | | | | | | | | |
| Musculoskeletal System | |
| Bone | + | + |
| Skeletal Muscle | + | + |
| Lymphoma Malignant | | | | | | X | | | X | | | | | | | | | | | | | | | X | | | | X |
| Nervous System | |
| Brain | | | + | | | | | | + | | | | | | | + | + | | | | | | | | | | | |
| Brain, Brain Stem | |
| Brain, Cerebellum | + | + | | + | + | + | + | + | + | | + | + | + | + | + | | | + | | | | + | + | + | + | + | + | + |
| Brain, Cerebrum | + | + | | + | + | + | + | + | + | | + | + | + | + | + | | | + | + | + | + | + | + | + | + | + | + | + |
| Peripheral Nerve | + | + |

* ..Total animals with tissue examined microscopically; Total animals with tumor

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

BLANK ..Not examined microscopically

Experiment Number: 00602-05

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Mouse/B6C3F1/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/18/2014

Time Report Requested: 00:19:41

First Dose M/F: NA / NA

Lab: NCTR

| B6C3F1/NCTR Mouse Female
5.0%ETH/30PPMURE | | DAY ON TEST | | | | | | | | | | | |
|---|--|-------------|--|--|--|--|--|--|--|--|--|--|--|
| | | 0 | 0 | | | | | | | | | | | | | |
| | | 2 | 3 | 6 | 5 | 6 | 5 | 6 | 6 | 5 | 6 | 6 | 6 | 6 | 7 | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | | | | | | | | | | | | |
| | | 8 | 8 | 3 | 8 | 1 | 7 | 7 | 8 | 9 | 8 | 7 | 4 | 6 | 0 | 3 | 8 | 6 | 6 | 1 | 6 | 6 | 6 | 6 | 6 | 6 | 4 | 6 | 6 | 6 | 6 | 5 | | | | | | | | | | | |
| ANIMAL ID | | 5 | 0 | 8 | 1 | 3 | 7 | 0 | 7 | 8 | 8 | 5 | 2 | 3 | 2 | 0 | 5 | 6 | 6 | 6 | 5 | 5 | 5 | 5 | 5 | 5 | 6 | 5 | 5 | 5 | 5 | 2 | | | | | | | | | | | |
| | | 0 | 0 | | | | | | | | | | | |
| | | 0 | 0 | | | | | | | | | | | |
| | | 0 | 0 | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 7 | 7 | 8 | 8 | 8 | 8 | | | | | | | | | | | |
| | | 7 | 9 | 5 | 7 | 7 | 9 | 1 | 2 | 3 | 3 | 6 | 8 | 2 | 6 | 8 | 0 | 3 | 4 | 9 | 0 | 0 | 0 | 4 | 4 | 8 | 1 | 1 | 0 | 0 | 0 | 0 | | | | | | | | | | | |
| | | 1 | 6 | 2 | 2 | 6 | 2 | 3 | 3 | 1 | 9 | 6 | 4 | 2 | 5 | 5 | 8 | 9 | 0 | 9 | 1 | 2 | 3 | 6 | 7 | 4 | 6 | 7 | 3 | 4 | 5 | 7 | | | | | | | | | | | |
| Spinal Cord | | + | | | | | | | | | | | |
| Spinal Cord, Thoracic | | + | + | + | | + | + | + | + | | + | | + | + | + | + | + | | + | + | | + | + | + | + | + | + | + | + | + | + | | | | | | | | | | | | |
| Respiratory System | | | | | | | | | | | | | |
| Larynx | | + | + | | | | | | | | | | | | |
| Lung | | + | + | | | | | | | | | | | | |
| Alveolar/Bronchiolar Adenoma | | X | | | | | | | | | | | | X | X | | X | | X | | | | | | | | | | | X | | | | | | | | | | | | | |
| Alveolar/Bronchiolar Adenoma, Multiple | | | X | | | | X | | | | | | | | | | | | | | | | | |
| Alveolar/Bronchiolar Carcinoma | | | | | | | | | | | | X | | | | | | | | | | | X | | | X | X | X | | | | X | | | | | | | | | | | |
| Alveolar/Bronchiolar Carcinoma, Multiple | | | X | | | | | | | | | | | |
| Granulosa Cell Tumor Malignant, Metastatic, Ovary | | | | | | | | | | | | X | | | | | | | | | | | |
| Hepatocellular Carcinoma, Metastatic, Liver | | | | | | | | | | | | | |
| Histiocytic Sarcoma | | | | | | | | | | | | X | | | | | | | | | | | |
| Lymphoma Malignant | | X | | | | X | | | | | | | | | | | | | | X | | | | | | | | | | | | X | | | | | | | | | | | |
| Nose | | + | + | | | | | | | | | | | | |
| Trachea | | + | + | | | | | | | | | | | | |
| Special Senses System | | | | | | | | | | | | | |
| Ear | | | | | | | | | | | | | |
| Squamous Cell Papilloma | | | X | | | | | | | | | | | | | | | | | | | | | |
| Eye | | + | + | | | | | | | | | | | | |
| Harderian Gland | | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | | | | | | | | | | |
| Adenoma | | | | | | | | | | | | X | | X | | | | | | | | | | | | X | | X | | | | | | | | | | | | | | | |

* ..Total animals with tissue examined microscopically; Total animals with tumor

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

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Lab: NCTR

| B6C3F1/NCTR Mouse Female
5.0%ETH/30PPMURE | DAY ON TEST | |
|--|-------------|
| | 0 | 0 |
| | 2 | 3 | 6 | 5 | 6 | 5 | 6 | 6 | 5 | 6 | 6 | 6 | 7 | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| | 8 | 8 | 3 | 8 | 1 | 7 | 7 | 8 | 9 | 8 | 7 | 4 | 6 | 0 | 3 | 8 | 6 | 6 | 1 | 6 | 6 | 6 | 6 | 4 | 6 | 6 | 6 | 5 |
| ANIMAL ID | 5 | 0 | 8 | 1 | 3 | 7 | 0 | 7 | 8 | 8 | 5 | 2 | 3 | 2 | 0 | 5 | 6 | 6 | 6 | 5 | 5 | 5 | 5 | 5 | 4 | 5 | 5 | 2 |
| | 0 | 0 |
| | 0 | 0 |
| | 0 | 0 | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 6 | 7 | 7 | 8 | 8 |
| | 7 | 9 | 5 | 7 | 7 | 9 | 1 | 2 | 3 | 3 | 6 | 8 | 2 | 6 | 8 | 0 | 3 | 4 | 9 | 0 | 0 | 0 | 4 | 4 | 8 | 1 | 1 | 0 |
| | 1 | 6 | 2 | 2 | 6 | 2 | 3 | 3 | 1 | 9 | 6 | 4 | 2 | 5 | 5 | 8 | 9 | 0 | | | | | | | | | | |
| Bilateral, Carcinoma | |
| Carcinoma | |
| Lymphoma Malignant | |
| Lacrimal Gland | + | + | + | + | + | + | + | M | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Lymphoma Malignant | |
| Zymbal's Gland | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + |
| Urinary System | |
| Kidney | + | + |
| Lymphoma Malignant | |
| Urinary Bladder | + | + | A |
| Lymphoma Malignant | |
| SYSTEMIC LESIONS | |
| Multiple Organ | + | + |
| Histiocytic Sarcoma | |
| Lymphoma Malignant | X | | X | | | X | | | X | | | | X | | | | | | X | X | | | | X | | X | X | X |

* ..Total animals with tissue examined microscopically; Total animals with tumor

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

BLANK ..Not examined microscopically

Experiment Number: 00602-05

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Mouse/B6C3F1/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/18/2014

Time Report Requested: 00:19:41

First Dose M/F: NA / NA

Lab: NCTR

| B6C3F1/NCTR Mouse Female
5.0%ETH/30PPMURE | DAY ON TEST | | | | | | | | | | | | | | | | |
|--|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| | 6 | 6 | 4 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 4 | 6 | 6 | 6 | 6 | 6 |
| ANIMAL ID | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 2 |
| | 6 | 6 | 7 | 3 | 3 | 9 | 9 | 9 | 4 | 4 | 4 | 9 | 0 | 4 | 4 | 4 | 1 |
| | 6 | 7 | 4 | 7 | 8 | 3 | 4 | 5 | 6 | 7 | 8 | 3 | 6 | 3 | 4 | 5 | 3 |
| *TOTALS | | | | | | | | | | | | | | | | | |

Alimentary System

| | | | | | | | | | | | | | | | | | | |
|----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|
| Esophagus | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | 47 |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | | 1 |
| Gallbladder | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 47 |
| Lymphoma Malignant | | X | | | | | | | | | | | | | | | | 2 |
| Intestine Large | | | | | | | | | | | | | | | | | | 6 |
| Intestine Large, Cecum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 42 |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | | 1 |
| Intestine Large, Colon | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 41 |
| Intestine Large, Rectum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 39 |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | | 1 |
| Intestine Small | | | | | | | | | | | | | | | | | | 6 |
| Intestine Small, Duodenum | + | | + | + | + | + | + | + | + | + | + | + | A | + | + | + | M | 38 |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | | 1 |
| Intestine Small, Ileum | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | 41 |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | | 1 |
| Intestine Small, Jejunum | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | 40 |
| Liver | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 |
| Hepatocellular Adenoma | | | | | X | | | X | | | X | | | | | | | 5 |
| Hepatocellular Adenoma, Multiple | X | | X | X | | | | | | | | | | | X | | | 11 |
| Histiocytic Sarcoma | | | | | | | | | | | | | X | | | | | 3 |
| Lymphoma Malignant | | X | X | | | | | | | | | | | | | | | 9 |

* ..Total animals with tissue examined microscopically; Total animals with tumor

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

BLANK ..Not examined microscopically

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Date Report Requested: 10/18/2014

Time Report Requested: 00:19:41

First Dose M/F: NA / NA

Lab: NCTR

| B6C3F1/NCTR Mouse Female
5.0%ETH/30PPMURE | DAY ON TEST | | | | | | | | | | | | | | | | |
|--|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ANIMAL ID | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| | 6 | 6 | 4 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 4 | 6 | 6 | 6 | 6 | 6 |
| | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 2 |
| | 6 | 6 | 7 | 3 | 3 | 9 | 9 | 9 | 4 | 4 | 4 | 9 | 0 | 4 | 4 | 4 | 1 |
| | 6 | 7 | 4 | 7 | 8 | 3 | 4 | 5 | 6 | 7 | 8 | 3 | 6 | 3 | 4 | 5 | 3 |
| | *TOTALS | | | | | | | | | | | | | | | | |
| Sarcoma Stromal, Metastatic, Uterus | | | | | | | | | | | | | | | | | 1 |
| Mesentery | | | | + | | | | | | | | | | | | | 5 |
| Pancreas | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 |
| Histiocytic Sarcoma | | | | | | | | | | | | | | | | | 1 |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | 5 |
| Sarcoma Stromal, Metastatic, Uterus | | | | | | | | | | | | | | | | | 1 |
| Salivary Glands | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 |
| Lymphoma Malignant | | | X | | | | | | | | | | | | | | 5 |
| Stomach | | | | | | | | | | | | | | | | | 7 |
| Stomach, Forestomach | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 41 |
| Squamous Cell Papilloma | | | | | | | | | | | | | | | | | 2 |
| Stomach, Glandular | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 40 |
| Tongue | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 |
| Cardiovascular System | | | | | | | | | | | | | | | | | |
| Blood Vessel | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | 46 |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | 1 |
| Heart | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 |
| Alveolar/Bronchiolar Carcinoma, Metastatic, Lung | | | | | | | | | | | | | | | | | 1 |
| Hemangioma | | | | | | | | | | | | | | | | X | 2 |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | 2 |
| Endocrine System | | | | | | | | | | | | | | | | | |

* ..Total animals with tissue examined microscopically; Total animals with tumor

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

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BLANK ..Not examined microscopically

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| B6C3F1/NCTR Mouse Female
5.0%ETH/30PPMURE | | DAY ON TEST | | | | | | | | | | | | | | | | | ANIMAL ID | | | |
|--|--|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------|----|---------|---|
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | |
| | | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | | | | |
| | | 6 | 6 | 4 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 4 | 6 | 6 | 6 | 6 | | | | |
| | | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | | | | |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | | | |
| | | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | | | | |
| | | 6 | 6 | 7 | 3 | 3 | 9 | 9 | 9 | 4 | 4 | 4 | 9 | 0 | 4 | 4 | 4 | 4 | | | | |
| | | 6 | 7 | 4 | 7 | 8 | 3 | 4 | 5 | 6 | 7 | 8 | 3 | 6 | 3 | 4 | 5 | 3 | | | | |
| | | | | | | | | | | | | | | | | | | | | | *TOTALS | |
| Adrenal Gland | | | | | | | | | | | | | | | | | | | | | 2 | |
| Adrenal Gland, Cortex | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | 45 | | |
| Adenoma | | X | | | | | | | | | | | | | | | | | | | | 1 |
| Subcapsular, Adenoma | | | | | | | | | | | | | | | X | | | | | | 2 | |
| Adrenal Gland, Medulla | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | 38 | | |
| Alveolar/Bronchiolar Carcinoma, Metastatic, Lung | | | | | | | | | | | | | | | | | | | | | 1 | |
| Islets, Pancreatic | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | 48 | | |
| Adenoma | | | | | X | | | | | | | | | | | | X | | | | | 3 |
| Histiocytic Sarcoma | | | | | | | | | | | | | | | | | | | | | 1 | |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | | | | | 2 | |
| Parathyroid Gland | | + | + | + | + | + | + | + | M | + | M | + | + | + | + | + | + | + | M | 41 | | |
| Pituitary Gland | | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | 40 | | |
| Pars Distalis, Adenoma | | X | | | | | | | | | X | | | | | | | | | | 5 | |
| Thyroid Gland | | + | + | + | + | I | + | + | + | + | + | + | + | + | + | + | + | + | M | 45 | | |
| Follicular Cel, Adenoma | | X | | | | | | | | | | | | | | | | | | | 1 | |
| General Body System | | | | | | | | | | | | | | | | | | | | | | |
| NONE | | | | | | | | | | | | | | | | | | | | | | |
| Genital System | | | | | | | | | | | | | | | | | | | | | | |
| Clitoral Gland | | + | M | + | + | + | + | + | M | + | + | + | + | + | M | + | + | M | | 41 | | |
| Ovary | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | | 46 | | |
| Adenoma, Tubular | | | | | | | | | | | | | | | X | | | | | | 1 | |

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

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

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| B6C3F1/NCTR Mouse Female
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|--|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| | 6 | 6 | 4 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 4 | 6 | 6 | 6 | 6 | 6 |
| ANIMAL ID | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 2 |
| | 6 | 6 | 7 | 3 | 3 | 9 | 9 | 9 | 4 | 4 | 4 | 9 | 0 | 4 | 4 | 4 | 1 |
| | 6 | 7 | 4 | 7 | 8 | 3 | 4 | 5 | 6 | 7 | 8 | 3 | 6 | 3 | 4 | 5 | 3 |
| | *TOTALS | | | | | | | | | | | | | | | | |
| Cystadenoma | | | | | | X | | | | | | | | | X | | 3 |
| Granulosa Cell Tumor Benign | | X | | | | | | | X | | | | | | | | 5 |
| Granulosa Cell Tumor Malignant | | | | | | | | | | | | | | | | | 1 |
| Hemangioma | | | | | | | | | | | | | | | | | 1 |
| Histiocytic Sarcoma | | | | | | | | | | | | X | | | | | 2 |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | 5 |
| Uterus | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | 47 |
| Alveolar/Bronchiolar Carcinoma, Metastatic, Lung | | | | | | | | | | | | | | | | | 1 |
| Hemangioma | | | | | | | | | | | | | | | | | 2 |
| Hemangiosarcoma | | | | | | | | | X | | | | | | | | 1 |
| Histiocytic Sarcoma | | | | | | | | | | | | | | | | | 1 |
| Leiomyoma | | | | | | | | | | | | | | | | | 2 |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | 1 |
| Sarcoma Stromal | | | | | | | | | | | | | | | | | 1 |
| Vagina | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | 46 |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | 2 |
| Sarcoma Stromal, Metastatic, Uterus | | | | | | | | | | | | | | | | | 1 |
| Squamous Cell Carcinoma | | | | | | | | | | | | | | | | | 1 |
| Hematopoietic System | | | | | | | | | | | | | | | | | |
| Bone Marrow | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 |
| Histiocytic Sarcoma | | | | | | | | | | | | | | | | | 1 |

* ..Total animals with tissue examined microscopically; Total animals with tumor

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

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| B6C3F1/NCTR Mouse Female
5.0%ETH/30PPMURE | DAY ON TEST | | | | | | | | | | | | | | | | |
|---|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ANIMAL ID | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| | 6 | 6 | 4 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 4 | 6 | 6 | 6 | 6 | 6 |
| | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 2 |
| | 6 | 6 | 7 | 3 | 3 | 9 | 9 | 9 | 4 | 4 | 4 | 9 | 0 | 4 | 4 | 4 | 1 |
| | 6 | 7 | 4 | 7 | 8 | 3 | 4 | 5 | 6 | 7 | 8 | 3 | 6 | 3 | 4 | 5 | 3 |
| | *TOTALS | | | | | | | | | | | | | | | | |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | 1 |
| Lymph Node | + | + | | | | | | | | | | | | | | | 16 |
| Axillary, Lymphoma Malignant | | | | | | | | | | | | | | | | | 1 |
| Iliac, Lymphoma Malignant | | | | | | | | | | | | | | | | | 1 |
| Inguinal, Lymphoma Malignant | | | X | | | | | | | | | | | | | | 4 |
| Lumbar, Alveolar/Bronchiolar Carcinoma,
Metastatic, Lung | | | | | | | | | | | | | | | | | 1 |
| Lumbar, Lymphoma Malignant | | | | | | | | | | | | | | | | | 5 |
| Renal, Lymphoma Malignant | | | X | | | | | | | | | | | | | | 4 |
| Renal, Sarcoma Stromal, Metastatic, Uterus | | | | | | | | | | | | | | | | | 1 |
| Thoracic, Lymphoma Malignant | | | X | | | | | | | | | | | | | | 1 |
| Lymph Node, Mandibular | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | 38 |
| Lymphoma Malignant | | | X | | | | | | | | | | | | | | 9 |
| Lymph Node, Mesenteric | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 43 |
| Histiocytic Sarcoma | | | | | | | | | | | | | X | | | | 3 |
| Lymphoma Malignant | | | X | X | | | | | | | | | | | | | 10 |
| Sarcoma Stromal, Metastatic, Uterus | | | | | | | | | | | | | | | | | 1 |
| Spleen | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 |
| Hemangioma | | | | | | | X | | | | | | | | | | 1 |
| Histiocytic Sarcoma | | | | | | | | | | | | | X | | | | 3 |
| Lymphoma Malignant | | | X | X | | | | | | | | | | | X | | 9 |
| Sarcoma Stromal, Metastatic, Uterus | | | | | | | | | | | | | | | | | 1 |
| Thymus | M | + | + | M | + | M | + | + | + | + | + | + | + | + | + | + | 43 |

* ..Total animals with tissue examined microscopically; Total animals with tumor

+ ..Tissue examined microscopically

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| B6C3F1/NCTR Mouse Female
5.0%ETH/30PPMURE | DAY ON TEST | | | | | | | | | | | | | | | | |
|--|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ANIMAL ID | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| | 6 | 6 | 4 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 4 | 6 | 6 | 6 | 6 |
| | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 2 |
| | 6 | 6 | 7 | 3 | 3 | 9 | 9 | 9 | 4 | 4 | 4 | 9 | 0 | 4 | 4 | 4 | 1 |
| | 6 | 7 | 4 | 7 | 8 | 3 | 4 | 5 | 6 | 7 | 8 | 3 | 6 | 3 | 4 | 5 | 3 |
| | *TOTALS | | | | | | | | | | | | | | | | |
| Alveolar/Bronchiolar Carcinoma, Metastatic, Lung | | | | | | | | | | | | | | | | | |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | |
| Integumentary System | | | | | | | | | | | | | | | | | |
| Mammary Gland | | | | | | | | | | | | | | | | | |
| Adenoacanthoma | | | | | | | | | | | | | | | | | |
| Adenocarcinoma | | | | | | | | | | | | | | | | | |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | |
| Skin | | | | | | | | | | | | | | | | | |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | |
| Sarcoma | | | | | | | | | | | | | | | | | |
| Musculoskeletal System | | | | | | | | | | | | | | | | | |
| Bone | | | | | | | | | | | | | | | | | |
| Skeletal Muscle | | | | | | | | | | | | | | | | | |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | |
| Nervous System | | | | | | | | | | | | | | | | | |
| Brain | | | | | | | | | | | | | | | | | |
| Brain, Brain Stem | | | | | | | | | | | | | | | | | |
| Brain, Cerebellum | | | | | | | | | | | | | | | | | |
| Brain, Cerebrum | | | | | | | | | | | | | | | | | |
| Peripheral Nerve | | | | | | | | | | | | | | | | | |

* ..Total animals with tissue examined microscopically; Total animals with tumor

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

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CAS Number: URETHCOMB

Date Report Requested: 10/18/2014

Time Report Requested: 00:19:42

First Dose M/F: NA / NA

Lab: NCTR

| B6C3F1/NCTR Mouse Female
5.0%ETH/30PPMURE | DAY ON TEST | | | | | | | | | | | | | | | | | ANIMAL ID | | |
|---|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------|--|----|
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | |
| | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | | | |
| | 6 | 6 | 4 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 4 | 6 | 6 | 6 | 6 | | | |
| | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | | | |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | | |
| | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | | | |
| | 6 | 6 | 7 | 3 | 3 | 9 | 9 | 9 | 4 | 4 | 4 | 9 | 0 | 4 | 4 | 4 | 4 | | | |
| | 6 | 7 | 4 | 7 | 8 | 3 | 4 | 5 | 6 | 7 | 8 | 3 | 6 | 3 | 4 | 5 | 3 | | | |
| | | | | | | | | | | | | | | | | | | | | |
| Spinal Cord | | | | | | | | | | | | | | | | | | | | 8 |
| Spinal Cord, Thoracic | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | 40 |
| Respiratory System | | | | | | | | | | | | | | | | | | | | |
| Larynx | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | | | 47 |
| Lung | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | 48 |
| Alveolar/Bronchiolar Adenoma | X | | | | X | | X | | X | | | X | X | X | | | X | | | 15 |
| Alveolar/Bronchiolar Adenoma, Multiple | | | | | | | | | | X | | | | | | | | | | 3 |
| Alveolar/Bronchiolar Carcinoma | | | | | | X | | | | | | | | | | | | | | 7 |
| Alveolar/Bronchiolar Carcinoma, Multiple | | | | | | | | X | | | | | | | | | | | | 2 |
| Granulosa Cell Tumor Malignant, Metastatic, Ovary | | | | | | | | | | | | | | | | | | | | 1 |
| Hepatocellular Carcinoma, Metastatic, Liver | X | | | | | | | | | | | | | | | | | | | 1 |
| Histiocytic Sarcoma | | | | | | | | | | | | | X | | | | | | | 3 |
| Lymphoma Malignant | | X | | | | | | | | | | | | | | | | | | 5 |
| Nose | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | 48 |
| Trachea | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | | | 47 |
| Special Senses System | | | | | | | | | | | | | | | | | | | | |
| Ear | | | | | | | | | | | | | | | | | | | | 1 |
| Squamous Cell Papilloma | | | | | | | | | | | | | | | | | | | | 1 |
| Eye | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | | | 47 |
| Harderian Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | | | 46 |
| Adenoma | | | | | | | | | | | | | X | X | | | | | | 6 |

* ..Total animals with tissue examined microscopically; Total animals with tumor

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

BLANK ..Not examined microscopically

Experiment Number: 00602-05

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Mouse/B6C3F1/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/18/2014

Time Report Requested: 00:19:42

First Dose M/F: NA / NA

Lab: NCTR

| B6C3F1/NCTR Mouse Female
5.0%ETH/90PPMURE | DAY ON TEST | |
|--|-------------|
| | 0 | 0 |
| | 2 | 4 | 4 | 4 | 4 | 4 | 5 | 5 | 5 | 5 | 5 | 6 | 5 | 6 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 7 | 7 |
| | 4 | 5 | 3 | 8 | 7 | 9 | 7 | 5 | 9 | 6 | 9 | 1 | 9 | 3 | 9 | 3 | 0 | 7 | 4 | 8 | 6 | 4 | 5 | 2 | 6 | 7 | 5 | 4 |
| ANIMAL ID | 9 | 9 | 3 | 5 | 8 | 6 | 3 | 9 | 4 | 9 | 2 | 4 | 4 | 3 | 8 | 3 | 3 | 3 | 5 | 1 | 1 | 3 | 4 | 9 | 1 | 5 | 4 | 5 |
| | 0 | 0 |
| | 0 | 0 |
| | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 4 |
| | 7 | 2 | 2 | 2 | 3 | 6 | 8 | 8 | 0 | 3 | 3 | 3 | 5 | 6 | 6 | 6 | 0 | 2 | 2 | 2 | 3 | 3 | 4 | 6 | 6 | 7 | 9 | 1 |
| | 0 | 3 | 5 | 6 | 4 | 0 | 7 | 8 | 9 | 1 | 4 | 6 | 9 | 5 | 6 | 7 | 1 | 5 | 7 | 8 | 2 | 3 | 4 | 5 | 2 | 1 | 3 | 9 |

Alimentary System

| |
|-------------------------------------|
| Esophagus | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + |
| Gallbladder | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | M | + |
| Lymphoma Malignant | X |
| Intestine Large, Cecum | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | A | M | + | + | + | + | + | + | + | + | A | A |
| Intestine Large, Colon | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | A | M | + | + | + | + | + | + | + | + | A | A |
| Sarcoma, Metastatic, Skin |
| Intestine Large, Rectum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | M | + | + | + | + | + | + | + | + | + | A |
| Intestine Small, Duodenum | + | + | + | + | + | + | + | + | + | A | + | A | + | + | + | + | A | M | + | + | + | + | + | + | + | + | + | A |
| Intestine Small, Ileum | + | + | + | + | + | + | + | + | + | A | + | A | + | + | + | + | A | M | + | + | + | + | + | + | + | + | + | A |
| Lymphoma Malignant | | | | X | |
| Intestine Small, Jejunum | + | + | + | + | + | + | + | + | + | A | + | A | + | + | + | + | A | M | + | + | + | + | + | + | + | + | + | A |
| Hemangioma |
| Liver | + |
| Hemangiosarcoma | | | | X | |
| Hepatocellular Adenoma |
| Hepatocellular Adenoma, Multiple | | | | | | | | | | X | X | | X | | | | X | X | | | | | | | | X | X | |
| Hepatocellular Carcinoma, Multiple | |
| Histiocytic Sarcoma |
| Lymphoma Malignant | | | | X | | | X | | | | X | | | | | | | | | | | | | | | | | X |
| Sarcoma Stromal, Metastatic, Uterus | | | | | | X | |
| Sarcoma, Metastatic, Skin |

* ..Total animals with tissue examined microscopically; Total animals with tumor

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

BLANK ..Not examined microscopically

Species/Strain: Mouse/B6C3F1/NCTR

CAS Number: URETHCOMB

Lab: NCTR

| B6C3F1/NCTR Mouse Female
5.0%ETH/90PPMURE | | DAY ON TEST | |
|--|--|-------------|
| | | 0 | 0 | | |
| | | 2 | 4 | 4 | 4 | 4 | 4 | 5 | 5 | 5 | 5 | 6 | 5 | 6 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 7 | 7 | | |
| | | 4 | 5 | 3 | 8 | 7 | 9 | 7 | 5 | 9 | 6 | 9 | 1 | 9 | 3 | 9 | 3 | 0 | 7 | 4 | 8 | 6 | 4 | 5 | 2 | 6 | 7 | 5 | 7 | 6 | 1 | 4 |
| | | 9 | 9 | 3 | 5 | 8 | 6 | 3 | 9 | 4 | 9 | 2 | 4 | 4 | 3 | 8 | 3 | 3 | 3 | 5 | 1 | 1 | 3 | 4 | 9 | 1 | 5 | 4 | 5 | 2 | 7 | 5 |
| ANIMAL ID | | 0 | 0 | |
| | | 0 | 0 | |
| | | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | |
| | | 7 | 2 | 2 | 2 | 2 | 3 | 6 | 8 | 8 | 0 | 3 | 3 | 3 | 5 | 6 | 6 | 6 | 0 | 2 | 2 | 2 | 3 | 3 | 4 | 6 | 6 | 7 | 9 | 1 | 2 | 5 |
| | | 0 | 3 | 5 | 6 | 4 | 0 | 7 | 8 | 9 | 1 | 4 | 6 | 9 | 5 | 6 | 7 | 1 | 5 | 7 | 8 | 2 | 6 | 3 | 4 | 5 | 2 | 1 | 3 | 9 | 0 | 6 |
| Mesentery | | + |
| Hemangiosarcoma | | |
| Pancreas | | + | + | + | + | + | + | + | + | A | A | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | A | + | + | + |
| Histiocytic Sarcoma | | |
| Lymphoma Malignant | | |
| Sarcoma Stromal, Metastatic, Uterus | | X |
| Sarcoma, Metastatic, Skin | | |
| Salivary Glands | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | |
| Lymphoma Malignant | | |
| Stomach, Forestomach | | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | A | + |
| Lymphoma Malignant | | X |
| Mast Cell Tumor Malignant | | |
| Stomach, Glandular | | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | A | + |
| Lymphoma Malignant | | X |
| Sarcoma, Metastatic, Skin | | |
| Tongue | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | M |
| Cardiovascular System | | |
| Blood Vessel | | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | M | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Lymphoma Malignant | | X |
| Heart | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Alveolar/Bronchiolar Carcinoma, Metastatic, Lung | | X |

1. Insufficient tissue

BLANK ..Not examined microscopically

Experiment Number: 00602-05

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Mouse/B6C3F1/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

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
5.0%ETH/90PPMURE | DAY ON TEST | |
|--|-------------|
| | 0 | 0 |
| | 2 | 4 | 4 | 4 | 4 | 4 | 5 | 5 | 5 | 5 | 5 | 6 | 5 | 6 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 7 | 7 |
| | 4 | 5 | 3 | 8 | 7 | 9 | 7 | 5 | 9 | 6 | 9 | 1 | 9 | 3 | 9 | 3 | 0 | 7 | 4 | 8 | 6 | 4 | 5 | 2 | 6 | 7 | 5 | 4 |
| ANIMAL ID | 9 | 9 | 3 | 5 | 8 | 6 | 3 | 9 | 4 | 9 | 2 | 4 | 4 | 3 | 8 | 3 | 3 | 3 | 5 | 1 | 1 | 3 | 4 | 9 | 1 | 5 | 4 | 5 |
| | 0 | 0 |
| | 0 | 0 |
| | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 4 |
| | 7 | 2 | 2 | 2 | 3 | 6 | 8 | 8 | 0 | 3 | 3 | 3 | 5 | 6 | 6 | 6 | 0 | 2 | 2 | 2 | 3 | 3 | 4 | 6 | 6 | 7 | 9 | 1 |
| | 0 | 3 | 5 | 6 | 4 | 0 | 7 | 8 | 9 | 1 | 4 | 6 | 9 | 5 | 6 | 7 | 1 | 5 | 7 | 8 | 2 | 6 | 3 | 4 | 5 | 2 | 1 | 3 |
| Hemangiosarcoma | |
| Lymphoma Malignant | |
| Endocrine System | |
| Adrenal Gland, Cortex | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + |
| Lymphoma Malignant | |
| Sarcoma, Metastatic, Skin | |
| Subcapsular, Adenoma | |
| Adrenal Gland, Medulla | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + |
| Islets, Pancreatic | + | + | + | + | + | + | + | + | A | A | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + |
| Lymphoma Malignant | |
| Parathyroid Gland | + | + | + | + | + | + | + | + | M | M | + | + | M | + | + | + | M | + | + | + | + | M | M | + | + | M | M | + |
| Lymphoma Malignant | |
| Pituitary Gland | + | + | M | + | + | + | + | + | M | M | + | + | + | + | M | + | + | M | + | + | M | + | + | + | M | + | + | + |
| Pars Distalis, Adenoma | |
| Thyroid Gland | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + |
| Follicular Cel, Adenoma | |
| General Body System | |
| Tissue NOS | |
| Abdominal, Histiocytic Sarcoma | |
| Genital System | |
| Clitoral Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | M | + | + | M | + | + | M | + | + | + | + |

* ..Total animals with tissue examined microscopically; Total animals with tumor

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

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Experiment Number: 00602-05

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| B6C3F1/NCTR Mouse Female
5.0%ETH/90PPMURE | DAY ON TEST |
|--|-------------------------------------|
| | 0 | 0 |
| | 2 | 4 | 4 | 4 | 4 | 4 | 5 | 5 | 5 | 5 | 5 | 6 | 5 | 6 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| | 4 | 5 | 3 | 8 | 7 | 9 | 7 | 5 | 9 | 6 | 9 | 1 | 9 | 3 | 9 | 3 | 0 | 7 | 4 | 8 | 6 | 4 | 5 | 2 | 6 | 7 | 5 | 7 |
| ANIMAL ID | 9 | 9 | 3 | 5 | 8 | 6 | 3 | 9 | 4 | 9 | 2 | 4 | 4 | 3 | 8 | 3 | 3 | 3 | 5 | 1 | 1 | 3 | 4 | 9 | 1 | 5 | 4 | 5 |
| | 0 | 0 |
| | 0 | 0 |
| | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 4 |
| | 7 | 2 | 2 | 2 | 3 | 6 | 8 | 8 | 0 | 3 | 3 | 3 | 5 | 6 | 6 | 6 | 0 | 2 | 2 | 2 | 3 | 3 | 4 | 6 | 6 | 7 | 9 | 1 |
| | 0 | 3 | 5 | 6 | 4 | 0 | 7 | 8 | 9 | 1 | 4 | 6 | 9 | 5 | 6 | 7 | 1 | 5 | 7 | 8 | 2 | 6 | 3 | 4 | 5 | 2 | 1 | 3 |
| | Ovary | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + |
| | Adenoma, Tubular |
| | Cystadenoma | X |
| | Granulosa Cell Tumor Benign |
| | Histiocytic Sarcoma |
| | Lymphoma Malignant | | | | X | | X |
| | Sarcoma Stromal, Metastatic, Uterus | |
| | Sarcoma, Metastatic, Skin |
| | Uterus | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + |
| | Hemangioma |
| | Hemangiosarcoma |
| | Histiocytic Sarcoma |
| | Sarcoma Stromal |
| | Sarcoma, Metastatic, Skin |
| | Vagina | + | + | + | + | M | + | + | + | + | A | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + |
| | Lymphoma Malignant | | | | X | |
| | Hematopoietic System |
| | Bone Marrow | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + |
| | Histiocytic Sarcoma |
| | Lymphoma Malignant | | | | X | |
| | Lymph Node | | + | | | + | | | | | | + | | | | | | | | | | | | | | + | | + |
| | Lumbar, Histiocytic Sarcoma |

* ..Total animals with tissue examined microscopically; Total animals with tumor

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

BLANK ..Not examined microscopically

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Lab: NCTR

| B6C3F1/NCTR Mouse Female
5.0%ETH/90PPMURE | DAY ON TEST | |
|--|-------------|
| | 0 | 0 |
| | 2 | 4 | 4 | 4 | 4 | 4 | 5 | 5 | 5 | 5 | 5 | 6 | 5 | 6 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 7 | 7 |
| | 4 | 5 | 3 | 8 | 7 | 9 | 7 | 5 | 9 | 6 | 9 | 1 | 9 | 3 | 9 | 3 | 0 | 7 | 4 | 8 | 6 | 4 | 5 | 2 | 6 | 7 | 5 | 7 |
| ANIMAL ID | 9 | 9 | 3 | 5 | 8 | 6 | 3 | 9 | 4 | 9 | 2 | 4 | 4 | 3 | 8 | 3 | 3 | 3 | 5 | 1 | 1 | 3 | 4 | 9 | 1 | 5 | 4 | 5 |
| | 0 | 0 |
| | 0 | 0 |
| | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 4 |
| | 7 | 2 | 2 | 2 | 3 | 6 | 8 | 8 | 0 | 3 | 3 | 3 | 5 | 6 | 6 | 6 | 0 | 2 | 2 | 2 | 3 | 3 | 4 | 6 | 6 | 7 | 9 | 1 |
| | 0 | 3 | 5 | 6 | 4 | 0 | 7 | 8 | 9 | 1 | 4 | 6 | 9 | 5 | 6 | 7 | 1 | 5 | 7 | 8 | 2 | 6 | 3 | 4 | 5 | 2 | 1 | 3 |
| Lumbar, Lymphoma Malignant | | X |
| Renal, Histiocytic Sarcoma | |
| Renal, Lymphoma Malignant | | X | | |
| Renal, Sarcoma Stromal, Metastatic, Uterus | | | | | | X | |
| Thoracic, Lymphoma Malignant | | X |
| Lymph Node, Mandibular | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + |
| Lymphoma Malignant | | | | X | | X |
| Mast Cell Tumor Malignant | | X | | |
| Lymph Node, Mesenteric | + | + | + | + | + | A | + | + | A | A | + | + | + | + | + | + | M | M | + | + | M | + | + | + | + | + | A | A |
| Alveolar/Bronchiolar Carcinoma, Metastatic, Lung | | | | | | | | | | | | | | | | | | | | X | | | | | | | | + |
| Histiocytic Sarcoma | |
| Lymphoma Malignant | | | | X | | X | | X |
| Sarcoma Stromal, Metastatic, Uterus | | | | | | X | |
| Sarcoma, Metastatic, Skin | |
| Spleen | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | A | + |
| Hemangiosarcoma | |
| Histiocytic Sarcoma | |
| Lymphoma Malignant | | | X | X | | | X | | X |
| Sarcoma, Metastatic, Skin | |
| Thymus | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | M | + | + |
| Adenocarcinoma, Metastatic, Mammary Gland | | | | | | | | | | | | X | | | | | | | | | | | | | | | | |

* ..Total animals with tissue examined microscopically; Total animals with tumor

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

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Experiment Number: 00602-05

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Mouse/B6C3F1/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/18/2014

Time Report Requested: 00:19:45

First Dose M/F: NA / NA

Lab: NCTR

| B6C3F1/NCTR Mouse Female
5.0%ETH/90PPMURE | DAY ON TEST | |
|--|-------------|
| | 0 | 0 |
| | 2 | 4 | 4 | 4 | 4 | 4 | 5 | 5 | 5 | 5 | 5 | 6 | 5 | 6 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 7 | 7 |
| | 4 | 5 | 3 | 8 | 7 | 9 | 7 | 5 | 9 | 6 | 9 | 1 | 9 | 3 | 9 | 3 | 0 | 7 | 4 | 8 | 6 | 4 | 5 | 2 | 6 | 7 | 5 | 4 |
| | 9 | 9 | 3 | 5 | 8 | 6 | 3 | 9 | 4 | 9 | 2 | 4 | 4 | 3 | 8 | 3 | 3 | 3 | 5 | 1 | 1 | 3 | 4 | 9 | 1 | 5 | 4 | 5 |
| ANIMAL ID | 0 | 0 |
| | 0 | 0 |
| | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 4 |
| | 7 | 2 | 2 | 2 | 3 | 6 | 8 | 8 | 0 | 3 | 3 | 3 | 5 | 6 | 6 | 6 | 0 | 2 | 2 | 2 | 3 | 3 | 4 | 6 | 6 | 7 | 9 | 1 |
| | 0 | 3 | 5 | 6 | 4 | 0 | 7 | 8 | 9 | 1 | 4 | 6 | 9 | 5 | 6 | 7 | 1 | 5 | 7 | 8 | 2 | 6 | 3 | 4 | 5 | 2 | 1 | 3 |
| Alveolar/Bronchiolar Carcinoma, Metastatic, Lung | | | | | | | | | | | X | | | | | | | | | X | | | | | | | | |
| Histiocytic Sarcoma | |
| Lymphoma Malignant | | | | X | | | | | | | | X | | | | | | | | | | | | X | | | | X |
| Sarcoma, Metastatic, Skin | |
| Integumentary System | |
| Mammary Gland | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | A | + |
| Adenoacanthoma | | X | | | | | | | | | X | | X | | X | | | | | | | | | X | | | | |
| Adenocarcinoma | | | | | | | | X | | | | X | | X | | | X | | X | X | X | | X | | | X | X | X |
| Lymphatic, Mast Cell Tumor Malignant | | X | | | |
| Lymphoma Malignant | | | X | |
| Skin | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + |
| Sarcoma | | | | | | | X | | | | | | | | | | | | | | | | | X | | | | |
| Musculoskeletal System | |
| Bone | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + |
| Alveolar/Bronchiolar Carcinoma, Metastatic, Lung | | X | | | | | | |
| Femur, Lymphoma Malignant | | | X | |
| Sternum, Lymphoma Malignant | | | X | |
| Skeletal Muscle | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + |
| Diaphragm, Adenocarcinoma, Metastatic, Mammary Gland | | | | | | | | | | | X | | | | | | | | | | | | | | | | | |

* ..Total animals with tissue examined microscopically; Total animals with tumor

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

BLANK ..Not examined microscopically

Experiment Number: 00602-05

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Mouse/B6C3F1/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/18/2014

Time Report Requested: 00:19:45

First Dose M/F: NA / NA

Lab: NCTR

| B6C3F1/NCTR Mouse Female
5.0%ETH/90PPMURE | DAY ON TEST | |
|--|-------------|
| | 0 | 0 |
| | 2 | 4 | 4 | 4 | 4 | 4 | 5 | 5 | 5 | 5 | 5 | 6 | 5 | 6 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 7 | 7 |
| | 4 | 5 | 3 | 8 | 7 | 9 | 7 | 5 | 9 | 6 | 9 | 1 | 9 | 3 | 9 | 3 | 0 | 7 | 4 | 8 | 6 | 4 | 5 | 2 | 6 | 7 | 5 | 4 |
| ANIMAL ID | 9 | 9 | 3 | 5 | 8 | 6 | 3 | 9 | 4 | 9 | 2 | 4 | 4 | 3 | 8 | 3 | 3 | 3 | 5 | 1 | 1 | 3 | 4 | 9 | 1 | 5 | 4 | 5 |
| | 0 | 0 |
| | 0 | 0 |
| | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 4 |
| | 7 | 2 | 2 | 2 | 3 | 6 | 8 | 8 | 0 | 3 | 3 | 3 | 5 | 6 | 6 | 6 | 0 | 2 | 2 | 2 | 3 | 3 | 4 | 6 | 6 | 7 | 9 | 1 |
| | 0 | 3 | 5 | 6 | 4 | 0 | 7 | 8 | 9 | 1 | 4 | 6 | 5 | 6 | 7 | 1 | 5 | 7 | 8 | 2 | 6 | 3 | 4 | 5 | 2 | 1 | 3 | 9 |
| Lymphoma Malignant | | | X | | | X | | | | | | X | | | | | | | | | | | | | | | | X |
| Sarcoma, Metastatic, Skin | |
| Sarcoma, Metastatic, Uncertain Primary Site | |
| Nose | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + |
| Carcinoma, Metastatic, Harderian Gland | |
| Trachea | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | M | + |
| Special Senses System | |
| Eye | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + |
| Alveolar/Bronchiolar Carcinoma, Metastatic, Lung | | X | | | | | | | |
| Harderian Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + |
| Adenoma | | | | X | | | X | | | | | X | | | | X | | X | | X | | | X | | | X | | X |
| Bilateral, Adenoma | | | X | | | X | | | | | | | | X | | | | | | | | | | | X | | | |
| Carcinoma | | | | | | | | X | X | | X | | | X | | | | | X | | | | | | X | | X | |
| Lacrimal Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | M | + | + | + | + | + | + | + | + | + | + |
| Lymphoma Malignant | | | X | |
| Zymbal's Gland | + | M | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | M | + | + | M | + | + | + | + | + | M | + |
| Urinary System | |
| Kidney | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + |
| Alveolar/Bronchiolar Carcinoma, Metastatic, Lung | | X | | | | | | | |
| Hemangiosarcoma | | X | | |

* ..Total animals with tissue examined microscopically; Total animals with tumor

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

BLANK ..Not examined microscopically

Species/Strain: Mouse/B6C3F1/NCTR

CAS Number: URETHCOMB

Lab: NCTR

| B6C3F1/NCTR Mouse Female
5.0%ETH/90PPMURE | | DAY ON TEST | |
|--|--|-------------|
| | | 0 | 0 | | |
| | | 2 | 4 | 4 | 4 | 4 | 4 | 5 | 5 | 5 | 5 | 5 | 6 | 5 | 6 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 7 | 7 | | |
| | | 4 | 5 | 3 | 8 | 7 | 9 | 7 | 5 | 9 | 6 | 9 | 1 | 9 | 3 | 9 | 3 | 0 | 7 | 4 | 8 | 6 | 4 | 5 | 2 | 6 | 7 | 5 | 7 | 6 | 1 | 4 |
| | | 9 | 9 | 3 | 5 | 8 | 6 | 3 | 9 | 4 | 9 | 2 | 4 | 4 | 3 | 8 | 3 | 3 | 3 | 5 | 1 | 1 | 3 | 4 | 9 | 1 | 5 | 4 | 5 | 2 | 7 | 5 |
| ANIMAL ID | | 0 | 0 | |
| | | 0 | 0 | |
| | | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 |
| | | 7 | 2 | 2 | 2 | 3 | 6 | 8 | 8 | 0 | 3 | 3 | 3 | 5 | 6 | 6 | 6 | 0 | 2 | 2 | 2 | 3 | 3 | 4 | 6 | 6 | 7 | 9 | 1 | 2 | 5 | 6 |
| | | 0 | 3 | 5 | 6 | 4 | 0 | 7 | 8 | 9 | 1 | 4 | 6 | 9 | 5 | 6 | 7 | 1 | 5 | 7 | 8 | 2 | 6 | 3 | 4 | 5 | 2 | 1 | 3 | 9 | 0 | 6 |
| Histiocytic Sarcoma | | |
| Lymphoma Malignant | | | | | X | | X | |
| Mast Cell Tumor Malignant | | |
| Urinary Bladder | | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | A | + | + | + | |
| SYSTEMIC LESIONS | | |
| Multiple Organ | | + | + | |
| Histiocytic Sarcoma | | |
| Lymphoma Malignant | | | | X | X | | X | | | X | | | X | | | | | | | | | | | | | | X | | | | X | |

Insufficient tissue

BLANK ..Not examined microscopically

Experiment Number: 00602-05

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Mouse/B6C3F1/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/18/2014

Time Report Requested: 00:19:46

First Dose M/F: NA / NA

Lab: NCTR

| B6C3F1/NCTR Mouse Female
5.0%ETH/90PPMURE | DAY ON TEST | | | | | | | | | | | | | | | |
|--|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ANIMAL ID | 7 | 6 | 6 | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| | 0 | 8 | 7 | 5 | 7 | 2 | 0 | 6 | 6 | 2 | 2 | 6 | 1 | 4 | 5 | 6 |
| | 0 | 4 | 0 | 1 | 4 | 5 | 2 | 5 | 5 | 5 | 6 | 2 | 9 | 9 | 7 | 5 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 |
| | 4 | 4 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 6 | 8 | 8 | 0 | 0 | 1 |
| | 8 | 9 | 0 | 3 | 3 | 6 | 0 | 0 | 5 | 8 | 9 | 1 | 7 | 0 | 0 | 0 |
| | 2 | 7 | 4 | 6 | 7 | 3 | 0 | 4 | 2 | 7 | 3 | 4 | 7 | 2 | 5 | 2 |
| *TOTALS | | | | | | | | | | | | | | | | |

Alimentary System

| | | | | | | | | | | | | | | | | | |
|-------------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|
| Esophagus | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 46 |
| Gallbladder | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | 45 |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | 1 |
| Intestine Large, Cecum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 42 |
| Intestine Large, Colon | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 42 |
| Sarcoma, Metastatic, Skin | | | | | | X | | | | | | | | | | | 1 |
| Intestine Large, Rectum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 44 |
| Intestine Small, Duodenum | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | 40 |
| Intestine Small, Ileum | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | 40 |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | 1 |
| Intestine Small, Jejunum | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | 40 |
| Hemangioma | | | | | | | | | | | | | | | | | 1 |
| Liver | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 |
| Hemangiosarcoma | | | | X | | | | | | | | | | X | X | | 6 |
| Hepatocellular Adenoma | | X | | | | | | | X | | | | | | | | 2 |
| Hepatocellular Adenoma, Multiple | | | | | | | X | | | X | | | | X | | X | 14 |
| Hepatocellular Carcinoma, Multiple | | | | | | | | | | | | | X | | | | 1 |
| Histiocytic Sarcoma | | | | | X | | | | | | X | | | | | | 2 |
| Lymphoma Malignant | | | X | | | | | X | | | | | | | | | 6 |
| Sarcoma Stromal, Metastatic, Uterus | | | | | | | | | | | | | | | | | 1 |
| Sarcoma, Metastatic, Skin | | | | | | X | | | | | | | | | | | 1 |

* ..Total animals with tissue examined microscopically; Total animals with tumor

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

BLANK ..Not examined microscopically

Experiment Number: 00602-05

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Mouse/B6C3F1/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/18/2014

Time Report Requested: 00:19:46

First Dose M/F: NA / NA

Lab: NCTR

| B6C3F1/NCTR Mouse Female
5.0%ETH/90PPMURE | DAY ON TEST | | | | | | | | | | | | | | | | |
|--|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 7 | 6 | 6 | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| | 0 | 8 | 7 | 5 | 7 | 2 | 0 | 6 | 6 | 2 | 2 | 6 | 1 | 4 | 5 | 6 | 6 |
| ANIMAL ID | 0 | 4 | 0 | 1 | 4 | 5 | 2 | 5 | 5 | 5 | 6 | 2 | 9 | 9 | 7 | 5 | 5 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 |
| | 4 | 4 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 6 | 8 | 8 | 0 | 0 | 1 | 2 |
| | 8 | 9 | 0 | 3 | 3 | 6 | 0 | 0 | 5 | 8 | 9 | 1 | 7 | 0 | 0 | 0 | 2 |
| | 2 | 7 | 4 | 6 | 7 | 3 | 0 | 4 | 2 | 7 | 3 | 4 | 7 | 2 | 5 | 2 | 1 |
| | *TOTALS | | | | | | | | | | | | | | | | |
| Mesentery | | | | | | | | | | | | | | + | + | + | 4 |
| Hemangiosarcoma | | | | | | | | | | | | | | X | | X | 2 |
| Pancreas | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 44 |
| Histiocytic Sarcoma | | | | | | | | | | | | X | | | | | 1 |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | 1 |
| Sarcoma Stromal, Metastatic, Uterus | | | | | | | | | | | | | | | | | 1 |
| Sarcoma, Metastatic, Skin | | | | | | X | | | | | | | | | | | 1 |
| Salivary Glands | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 47 |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | 1 |
| Stomach, Forestomach | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 45 |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | 1 |
| Mast Cell Tumor Malignant | | | | | | | | | | | | | | | | | 1 |
| Stomach, Glandular | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 45 |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | 1 |
| Sarcoma, Metastatic, Skin | | | | | | X | | | | | | | | | | | 1 |
| Tongue | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 46 |
| Cardiovascular System | | | | | | | | | | | | | | | | | |
| Blood Vessel | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 45 |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | 1 |
| Heart | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 47 |
| Alveolar/Bronchiolar Carcinoma, Metastatic, Lung | | | | | | | | | | | | | | | | | 1 |

* ..Total animals with tissue examined microscopically; Total animals with tumor

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

BLANK ..Not examined microscopically

Experiment Number: 00602-05

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Mouse/B6C3F1/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/18/2014

Time Report Requested: 00:19:46

First Dose M/F: NA / NA

Lab: NCTR

| B6C3F1/NCTR Mouse Female
5.0%ETH/90PPMURE | DAY ON TEST | | | | | | | | | | | | | | | | ANIMAL ID | |
|--|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------|---------|
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | |
| | 7 | 6 | 6 | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | | |
| | 0 | 8 | 7 | 5 | 7 | 2 | 0 | 6 | 6 | 2 | 2 | 6 | 1 | 4 | 5 | 6 | | |
| | 0 | 4 | 0 | 1 | 4 | 5 | 2 | 5 | 5 | 5 | 6 | 2 | 9 | 9 | 7 | 5 | | |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | | |
| | 4 | 4 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 6 | 8 | 8 | 0 | 0 | 1 | | |
| | 8 | 9 | 0 | 3 | 3 | 6 | 0 | 0 | 5 | 8 | 9 | 1 | 7 | 0 | 0 | 0 | | |
| | 2 | 7 | 4 | 6 | 7 | 3 | 0 | 4 | 2 | 7 | 3 | 4 | 7 | 2 | 5 | 2 | | |
| | | | | | | | | | | | | | | | | | | *TOTALS |
| Hemangiosarcoma | X | X | | | X | | | | | | | | | X | | X | | 6 |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | | 2 |
| Endocrine System | | | | | | | | | | | | | | | | | | |
| Adrenal Gland, Cortex | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | 46 |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | | 2 |
| Sarcoma, Metastatic, Skin | | | | | | X | | | | | | | | | | | | 1 |
| Subcapsular, Adenoma | X | | | | | | | | X | | | | | X | | | | 3 |
| Adrenal Gland, Medulla | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | 46 |
| Islets, Pancreatic | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | 44 |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | | 1 |
| Parathyroid Gland | + | M | M | M | + | + | + | M | + | + | + | + | + | + | + | + | | 36 |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | | 1 |
| Pituitary Gland | + | M | + | + | M | + | + | + | + | + | + | + | M | + | + | + | | 38 |
| Pars Distalis, Adenoma | | | | | | | | | | X | | | | | | | | 1 |
| Thyroid Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | 46 |
| Follicular Cel, Adenoma | | | | | | | | | | | | | | | | | | 1 |
| General Body System | | | | | | | | | | | | | | | | | | |
| Tissue NOS | | | | | + | | | | | | | | + | | | | | 2 |
| Abdominal, Histiocytic Sarcoma | | | | | | | | | | | | | X | | | | | 1 |
| Genital System | | | | | | | | | | | | | | | | | | |
| Clitoral Gland | + | M | M | + | + | M | M | + | + | M | + | + | + | M | M | M | + | 35 |

* ..Total animals with tissue examined microscopically; Total animals with tumor

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

BLANK ..Not examined microscopically

Experiment Number: 00602-05

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Mouse/B6C3F1/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/18/2014

Time Report Requested: 00:19:46

First Dose M/F: NA / NA

Lab: NCTR

| B6C3F1/NCTR Mouse Female
5.0%ETH/90PPMURE | DAY ON TEST | | | | | | | | | | | | | | | | |
|--|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 7 | 6 | 6 | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| | 0 | 8 | 7 | 5 | 7 | 2 | 0 | 6 | 6 | 2 | 2 | 6 | 1 | 4 | 5 | 6 | 6 |
| ANIMAL ID | 0 | 4 | 0 | 1 | 4 | 5 | 2 | 5 | 5 | 5 | 6 | 2 | 9 | 9 | 7 | 5 | 5 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 |
| | 4 | 4 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 6 | 8 | 8 | 0 | 0 | 1 | 2 |
| | 8 | 9 | 0 | 3 | 3 | 6 | 0 | 0 | 5 | 8 | 9 | 1 | 7 | 0 | 0 | 0 | 2 |
| | 2 | 7 | 4 | 6 | 7 | 3 | 0 | 4 | 2 | 7 | 3 | 4 | 7 | 2 | 5 | 2 | 1 |
| | *TOTALS | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | |
| Ovary | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 45 |
| Adenoma, Tubular | | | | | | | X | | X | | | | | | | | 2 |
| Cystadenoma | | | | | | | | | | | | | X | | | | 2 |
| Granulosa Cell Tumor Benign | | | | | | | | | X | | | | | | X | X | 3 |
| Histiocytic Sarcoma | | | | | X | | | | | | X | | | | | | 2 |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | 2 |
| Sarcoma Stromal, Metastatic, Uterus | | | | | | | | | | | | | | | | | 1 |
| Sarcoma, Metastatic, Skin | | | | | | X | | | | | | | | | | | 1 |
| Uterus | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 45 |
| Hemangioma | | | | X | | | | | | | | | | | | | 1 |
| Hemangiosarcoma | | | | | | | | | | | | | | X | | | 1 |
| Histiocytic Sarcoma | | | | | | | | | | | X | | | | | | 1 |
| Sarcoma Stromal | | | | | | | | | X | | | | | | | | 2 |
| Sarcoma, Metastatic, Skin | | | | | | X | | | | | | | | | | | 1 |
| Vagina | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | 44 |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | 1 |
| Hematopoietic System | | | | | | | | | | | | | | | | | |
| Bone Marrow | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 47 |
| Histiocytic Sarcoma | | | | | X | | | | | | | | | | | | 1 |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | 1 |
| Lymph Node | | | | | | | | | | | + | | + | | | | 7 |
| Lumbar, Histiocytic Sarcoma | | | | | | | | | | | X | | | | | | 1 |

* ..Total animals with tissue examined microscopically; Total animals with tumor

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

BLANK ..Not examined microscopically

Experiment Number: 00602-05

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Mouse/B6C3F1/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/18/2014

Time Report Requested: 00:19:46

First Dose M/F: NA / NA

Lab: NCTR

| B6C3F1/NCTR Mouse Female
5.0%ETH/90PPMURE | DAY ON TEST | | | | | | | | | | | | | | | | |
|--|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ANIMAL ID | 7 | 6 | 6 | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| | 0 | 8 | 7 | 5 | 7 | 2 | 0 | 6 | 6 | 2 | 2 | 6 | 1 | 4 | 5 | 6 | 6 |
| | 0 | 4 | 0 | 1 | 4 | 5 | 2 | 5 | 5 | 5 | 6 | 2 | 9 | 9 | 7 | 5 | 5 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 |
| | 4 | 4 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 6 | 8 | 8 | 0 | 0 | 1 | 2 |
| | 8 | 9 | 0 | 3 | 3 | 6 | 0 | 0 | 5 | 8 | 9 | 1 | 7 | 0 | 0 | 0 | 2 |
| | 2 | 7 | 4 | 6 | 7 | 3 | 0 | 4 | 2 | 7 | 3 | 4 | 7 | 2 | 5 | 2 | 1 |
| | *TOTALS | | | | | | | | | | | | | | | | |
| Lumbar, Lymphoma Malignant | | | | | | | | | | | | | | | | | 1 |
| Renal, Histiocytic Sarcoma | | | | | | | | | | | | X | | | | | 1 |
| Renal, Lymphoma Malignant | | | | | | | | | | | | | | | | | 1 |
| Renal, Sarcoma Stromal, Metastatic, Uterus | | | | | | | | | | | | | | | | | 1 |
| Thoracic, Lymphoma Malignant | | | | | | | | | | | | | | | | | 1 |
| Lymph Node, Mandibular | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 47 |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | 2 |
| Mast Cell Tumor Malignant | | | | | | | | | | | | | | | | | 1 |
| Lymph Node, Mesenteric | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | 38 |
| Alveolar/Bronchiolar Carcinoma, Metastatic, Lung | | | | | | | | | | | | | | | | | 1 |
| Histiocytic Sarcoma | | | | | X | | | | | | | X | | | | | 2 |
| Lymphoma Malignant | | | | | | | | X | | | | | | | | | 4 |
| Sarcoma Stromal, Metastatic, Uterus | | | | | | | | | | | | | | | | | 1 |
| Sarcoma, Metastatic, Skin | | | | | | X | | | | | | | | | | | 1 |
| Spleen | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 45 |
| Hemangiosarcoma | | | | | | | | | | | | | | X | | | 1 |
| Histiocytic Sarcoma | | | | | X | | | | | | | X | | | | | 2 |
| Lymphoma Malignant | | | X | | | | | X | | | | | | | | | 6 |
| Sarcoma, Metastatic, Skin | | | | | | X | | | | | | | | | | | 1 |
| Thymus | + | + | + | + | + | + | M | + | + | M | M | + | M | + | + | M | 39 |
| Adenocarcinoma, Metastatic, Mammary Gland | | | | | | | | | | | | | | | | | 1 |

* ..Total animals with tissue examined microscopically; Total animals with tumor

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

BLANK ..Not examined microscopically

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

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Test Compound: Urethane + ethanol (combination)
 CAS Number: URETHCOMB

Date Report Requested: 10/18/2014
 Time Report Requested: 00:19:47
 First Dose M/F: NA / NA
 Lab: NCTR

| B6C3F1/NCTR Mouse Female
5.0%ETH/90PPMURE | DAY ON TEST | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
|--|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---------|
| | | 7 | 6 | 6 | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | |
| | | 0 | 8 | 7 | 5 | 7 | 2 | 0 | 6 | 6 | 2 | 2 | 6 | 1 | 4 | 5 | 6 | 6 | |
| | | 0 | 4 | 0 | 1 | 4 | 5 | 2 | 5 | 5 | 5 | 6 | 2 | 9 | 9 | 7 | 5 | 5 | |
| | ANIMAL ID | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | |
| | 4 | 4 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 6 | 8 | 8 | 0 | 0 | 1 | 2 | | |
| | 8 | 9 | 0 | 3 | 3 | 6 | 0 | 0 | 5 | 8 | 9 | 1 | 7 | 0 | 0 | 0 | 2 | | |
| | 2 | 7 | 4 | 6 | 7 | 3 | 0 | 4 | 2 | 7 | 3 | 4 | 7 | 2 | 5 | 2 | 1 | | *TOTALS |
| Alveolar/Bronchiolar Carcinoma, Metastatic, Lung | | | | | | | | | | | | | | | | | | | 3 |
| Histiocytic Sarcoma | | | | | X | | | | | | | | X | | | | | | 2 |
| Lymphoma Malignant | | | X | X | | | | | | | | | | | | | | | 6 |
| Sarcoma, Metastatic, Skin | | | | | | X | | | | | | | | | | | | | 1 |
| Integumentary System | | | | | | | | | | | | | | | | | | | |
| Mammary Gland | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | 45 |
| Adenoacanthoma | | | | | | | | | X | | X | | | X | | | X | | 9 |
| Adenocarcinoma | | X | | | | X | | | | | | | | | | X | X | | 15 |
| Lymphatic, Mast Cell Tumor Malignant | | | | | | | | | | | | | | | | | | | 1 |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | | | 1 |
| Skin | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | 47 |
| Sarcoma | | | X | X | | | X | X | | | | | X | | | | | | 7 |
| Musculoskeletal System | | | | | | | | | | | | | | | | | | | |
| Bone | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | 47 |
| Alveolar/Bronchiolar Carcinoma, Metastatic, Lung | | | | | | | | | | | | | | | | | | | 1 |
| Femur, Lymphoma Malignant | | | | | | | | | | | | | | | | | | | 1 |
| Sternum, Lymphoma Malignant | | | | | | | | | | | | | | | | | | | 1 |
| Skeletal Muscle | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | 47 |
| Diaphragm, Adenocarcinoma, Metastatic, Mammary Gland | | | | | | | | | | | | | | | | | | | 1 |

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

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

Experiment Number: 00602-05

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Mouse/B6C3F1/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/18/2014

Time Report Requested: 00:19:47

First Dose M/F: NA / NA

Lab: NCTR

| B6C3F1/NCTR Mouse Female
5.0%ETH/90PPMURE | DAY ON TEST | | | | | | | | | | | | | | | | |
|---|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ANIMAL ID | 7 | 6 | 6 | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| | 0 | 8 | 7 | 5 | 7 | 2 | 0 | 6 | 6 | 2 | 2 | 6 | 1 | 4 | 5 | 6 | 6 |
| | 0 | 4 | 0 | 1 | 4 | 5 | 2 | 5 | 5 | 5 | 6 | 2 | 9 | 9 | 7 | 5 | 5 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 |
| | 4 | 4 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 6 | 8 | 8 | 0 | 0 | 1 | 2 |
| | 8 | 9 | 0 | 3 | 3 | 6 | 0 | 0 | 5 | 8 | 9 | 1 | 7 | 0 | 0 | 0 | 2 |
| | 2 | 7 | 4 | 6 | 7 | 3 | 0 | 4 | 2 | 7 | 3 | 4 | 7 | 2 | 5 | 2 | 1 |
| | *TOTALS | | | | | | | | | | | | | | | | |
| Diaphragm, Alveolar/Bronchiolar Carcinoma, Metastatic, Lung | | | | | | | | | | | | | | | | | |
| Sarcoma | | | | | | | | | | | | | | | | | |
| Sarcoma, Metastatic, Skin | X | | | | | | | | | | | | | | | | |
| Nervous System | | | | | | | | | | | | | | | | | |
| Brain, Cerebellum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Brain, Cerebrum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | |
| Peripheral Nerve | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Spinal Cord, Thoracic | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Respiratory System | | | | | | | | | | | | | | | | | |
| Larynx | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Lung | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Adenoacanthoma, Metastatic, Mammary Gland | X | | | | | | | | | | | | | | | | |
| Adenocarcinoma, Metastatic, Mammary Gland | | | | | | | | | | | | | | | | | |
| Alveolar/Bronchiolar Adenoma | X | | | | | | | | | | | | | | | | |
| Alveolar/Bronchiolar Adenoma, Multiple | X | | | X | X | X | X | X | X | | X | X | X | X | | X | |
| Alveolar/Bronchiolar Carcinoma | X | | | | | | | | | | | | | | | | |
| Alveolar/Bronchiolar Carcinoma, Multiple | | X | | X | | | | X | | | | X | | | X | | |
| Carcinoma, Metastatic, Mammary Gland | | | | | | | | | | | | | | | | | |
| Histiocytic Sarcoma | X | | | | | | | | | | | | | | | | |

* ..Total animals with tissue examined microscopically; Total animals with tumor

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

BLANK ..Not examined microscopically

Experiment Number: 00602-05

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Mouse/B6C3F1/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/18/2014

Time Report Requested: 00:19:47

First Dose M/F: NA / NA

Lab: NCTR

| B6C3F1/NCTR Mouse Female
5.0%ETH/90PPMURE | DAY ON TEST | | | | | | | | | | | | | | | | |
|--|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ANIMAL ID | 7 | 6 | 6 | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| | 0 | 8 | 7 | 5 | 7 | 2 | 0 | 6 | 6 | 2 | 2 | 6 | 1 | 4 | 5 | 6 | 6 |
| | 0 | 4 | 0 | 1 | 4 | 5 | 2 | 5 | 5 | 5 | 6 | 2 | 9 | 9 | 7 | 5 | 5 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 |
| | 4 | 4 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 6 | 8 | 8 | 0 | 0 | 1 | 2 |
| | 8 | 9 | 0 | 3 | 3 | 6 | 0 | 0 | 5 | 8 | 9 | 1 | 7 | 0 | 0 | 0 | 2 |
| | 2 | 7 | 4 | 6 | 7 | 3 | 0 | 4 | 2 | 7 | 3 | 4 | 7 | 2 | 5 | 2 | 1 |
| | *TOTALS | | | | | | | | | | | | | | | | |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | 4 |
| Sarcoma, Metastatic, Skin | | | | | | X | X | | | | X | | | | | | 3 |
| Sarcoma, Metastatic, Uncertain Primary Site | | X | | | | | | | | | | | | | | | 1 |
| Nose | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 47 |
| Carcinoma, Metastatic, Harderian Gland | | | | | | | | | | | X | | | | | | 1 |
| Trachea | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 45 |
| Special Senses System | | | | | | | | | | | | | | | | | |
| Eye | + | + | + | + | + | + | I | + | + | + | + | + | + | + | M | + | 45 |
| Alveolar/Bronchiolar Carcinoma, Metastatic, Lung | | | | | | | | | | | | | | | | | 1 |
| Harderian Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | 46 |
| Adenoma | X | | X | | | | | | | | | | X | X | | X | 14 |
| Bilateral, Adenoma | | | | | X | | | | | | | | | | | X | 6 |
| Carcinoma | | X | | | | | | | | X | X | | | | | | 10 |
| Lacrimal Gland | + | M | + | + | + | + | + | + | + | M | + | + | + | + | M | + | 43 |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | 1 |
| Zymbal's Gland | + | + | + | M | + | + | M | + | + | + | M | + | + | + | + | + | 40 |
| Urinary System | | | | | | | | | | | | | | | | | |
| Kidney | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 47 |
| Alveolar/Bronchiolar Carcinoma, Metastatic, Lung | | | | | | | | | | | | | | | | | 1 |
| Hemangiosarcoma | | | | | | | | | | | | | | | | | 1 |

* ..Total animals with tissue examined microscopically; Total animals with tumor

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

BLANK ..Not examined microscopically

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

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 Test Compound: Urethane + ethanol (combination)
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Date Report Requested: 10/18/2014
 Time Report Requested: 00:19:47
 First Dose M/F: NA / NA
 Lab: NCTR

| | | DAY ON TEST | | | | | | | | | | | | | | | | ANIMAL ID | *TOTALS |
|---------------------------|--|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------|---------|
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | |
| | | 7 | 6 | 6 | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | | |
| B6C3F1/NCTR Mouse Female | | 0 | 8 | 7 | 5 | 7 | 2 | 0 | 6 | 6 | 2 | 2 | 6 | 1 | 4 | 5 | 6 | | |
| 5.0%ETH/90PPMURE | | 0 | 4 | 0 | 1 | 4 | 5 | 2 | 5 | 5 | 5 | 6 | 2 | 9 | 9 | 7 | 5 | | |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | | |
| | | 4 | 4 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 6 | 8 | 8 | 0 | 0 | 1 | 2 | | |
| | | 8 | 9 | 0 | 3 | 3 | 6 | 0 | 0 | 5 | 8 | 9 | 1 | 7 | 0 | 0 | 2 | | |
| | | 2 | 7 | 4 | 6 | 7 | 3 | 0 | 4 | 2 | 7 | 3 | 4 | 7 | 2 | 5 | 1 | | |
| Histiocytic Sarcoma | | X | | | | | | | | | | | | | | | | 1 | |
| Lymphoma Malignant | | X | | | | | | | | | | | | | | | | 3 | |
| Mast Cell Tumor Malignant | | | | | | | | | | | | | | | | | | 1 | |
| Urinary Bladder | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 45 | |
| SYSTEMIC LESIONS | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | |
| Multiple Organ | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 | |
| Histiocytic Sarcoma | | X | | | | | | | | | | | | | | | | 2 | |
| Lymphoma Malignant | | X | | | | | | | | | | | | | | | | 10 | |

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

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