

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

**Test Compound:** Urethane + ethanol (combination)

**CAS Number:** URETHCOMB

**Date Report Requested:** 10/24/2014

**Time Report Requested:** 03:40:56

**First Dose M/F:** NA / NA

**Lab:** NCTR

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

**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

**SUMMARY OF STATISTICALLY SIGNIFICANT (P<=.05) RESULTS IN THE ANALYSIS OF URETHANE + ETHANOL**

**MALE MOUSE**

**Organ**

Adrenal Gland: Cortex

Adrenal Gland: Cortex, Subcapsular

Bone: Calvarium

Coagulating Gland

Epididymis

Eye: Lens

Heart

Heart: Endothelium

Heart: Epicardium

Intestine Large: Cecum, Lymphoid Tiss

Kidney

Kidney: Renal Tubule

Lacrimal Gland

Larynx

Liver

Liver: Hepatocyte

Lung

Lung: Alveolar Epith

Lymph Node: Inguinal

Lymph Node: Mandibular

Lymph Node: Mesenteric

**Morphology**

Necrosis

Hyperplasia

Hyperostosis

Infiltration Cellular Lymphocytic

Atrophy

Inflammation Chronic

Infiltration Cellular Lymphocytic

Cataract

Angiectasis

Bacterium

Hyperplasia

Inflammation Acute

Hyperplasia

Infarct

Accumulation Hyaline Droplet

Atrophy

Cyst

Angiectasis

Regeneration

Eosinophilic Focus

Mixed Cell Focus

Nuclear Alteration

Syncytial Alteration

Infiltration Cellular Lymphocytic

Hyperplasia

Infiltration Cellular

Atrophy

Hyperplasia

Hyperplasia

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**Lab:** NCTR

**SUMMARY OF STATISTICALLY SIGNIFICANT (P<=.05) RESULTS IN THE ANALYSIS OF URETHANE + ETHANOL**

Nose: Olfactory Epi  
Nose: Respirat Epith  
Penis  
Preputial Gland

Prostate

Salivary Glands  
Seminal Vesicle

Skeletal Muscle

Skin  
Spinal Cord: Thoracic  
Spleen  
Stomach: Glandular  
Tongue  
Urinary Bladder

**FEMALE MOUSE**

**Organ**

Adrenal Gland: Cortex

Bone: Sternum  
Brain: Cerebellum  
Brain: Cerebrum  
Eye  
Harderian Gland

Cytoplasmic Alteration  
Cytoplasmic Alteration  
Inflammation Chronic  
Inflammation Acute  
Hyperplasia  
Cyst  
Inflammation Chronic  
Inflammation Acute  
Infiltration Cellular Lymphocytic  
Infiltration Cellular Lymphocytic  
Dilatation  
Atrophy  
Inflammation Chronic  
Infiltration Cellular Lymphocytic  
Necrosis  
Inflammation Chronic  
Necrosis  
Infiltration Cellular  
Inflammation Acute  
Inflammation Chronic  
Inflammation Acute  
Ulcer

**Morphology**

Angiectasis  
Cyst  
Fibrous Osteodystrophy  
Hemorrhage  
Hemorrhage  
Atrophy  
Infiltration Cellular Lymphocytic

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**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

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**First Dose M/F:** NA / NA

**Lab:** NCTR

**SUMMARY OF STATISTICALLY SIGNIFICANT (P<=.05) RESULTS IN THE ANALYSIS OF URETHANE + ETHANOL**

Heart	Inflammation
Heart: Endothelium	Angiectasis
Intestine Large: Colon	Hyperplasia
Intestine Large: Colon, Lymphoid Tiss	Inflammation Chronic
Kidney	Hyperplasia
	Infiltration Cellular Lymphocytic
	Infiltration Cellular
	Infarct
	Nephropathy
	Accumulation Hyaline Droplet
Liver	Basophilic Focus
	Angiectasis
	Eosinophilic Focus
	Thrombosis
	Necrosis
	Mixed Cell Focus
	Infiltration Cellular Lymphocytic
	Hematopoietic Cell Proliferation
Lung	Infiltration Cellular
	Leukocytosis
Lung: Alveolar Epith	Hyperplasia
Lymph Node: Lumbar	Infiltration Cellular Polymorphnuclr
Lymph Node: Thoracic	Hyperplasia
Nose	Fibrous Osteodystrophy
Ovary	Angiectasis
	Hematocyst
Pancreas	Infiltration Cellular Lymphocytic
Pituitary Gland	Cyst
Skeletal Muscle	Infiltration Cellular Lymphocytic
Spleen	Hematopoietic Cell Proliferation
Spleen: Lymph Follic	Hyperplasia

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**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
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**Lab:** NCTR

**SUMMARY OF STATISTICALLY SIGNIFICANT (P<=.05) RESULTS IN THE ANALYSIS OF URETHANE + ETHANOL**

Stomach: Forestomach

Thymus

Uterus

Hyperkeratosis

Inflammation

Atrophy

Angiectasis

Thrombosis

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P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
Test Compound: Urethane + ethanol (combination)  
CAS Number: URETHCOMB

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

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
LAST REMOVAL AT 110 WEEKS

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DOSE	MALE		
	2.5%ETH/0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/30PPMURE
<b>Adrenal Gland: Cortex</b>			
<b>Angiectasis</b>			
<b>LESION RATES</b>			
OVERALL(a)	1/268 (0%)	0/137 (0%)	0/139 (0%)
POLY-3 RATE (b)	1/215.20	0/108.06	0/106.96
POLY-3 PERCENT (g)	0.5%	0%	0%
TERMINAL (d)	0/150 (0%)	0/69 (0%)	0/66 (0%)
FIRST INCIDENCE	746	---	---
<b>STATISTICAL TESTS</b>			
POLY 3	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
Test Compound: Urethane + ethanol (combination)  
CAS Number: URETHCOMB

Date Report Requested: 10/24/2014  
Time Report Requested: 03:40:56  
First Dose M/F: NA / NA  
Lab: NCTR

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
LAST REMOVAL AT 110 WEEKS

---

DOSE	MALE		
	2.5%ETH/0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/30PPMURE
<b>Adrenal Gland: Cortex</b>			
<b>Atrophy</b>			
<b>LESION RATES</b>			
OVERALL(a)	0/268 (0%)	0/137 (0%)	0/139 (0%)
POLY-3 RATE (b)	0/215.13	0/108.06	0/106.96
POLY-3 PERCENT (g)	0%	0%	0%
TERMINAL (d)	0/150 (0%)	0/69 (0%)	0/66 (0%)
FIRST INCIDENCE	---	---	---
<b>STATISTICAL TESTS</b>			
POLY 3	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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Experiment Number: 00602-05  
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**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/24/2014

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First Dose M/F: NA / NA

Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
LAST REMOVAL AT 110 WEEKS**

---

DOSE	MALE		
	2.5%ETH/0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/30PPMURE
<b>Adrenal Gland: Cortex</b>			
<b>Autolysis</b>			
<b>LESION RATES</b>			
OVERALL(a)	0/268 (0%)	0/137 (0%)	0/139 (0%)
POLY-3 RATE (b)	0/215.13	0/108.06	0/106.96
POLY-3 PERCENT (g)	0%	0%	0%
TERMINAL (d)	0/150 (0%)	0/69 (0%)	0/66 (0%)
FIRST INCIDENCE	---	---	---
<b>STATISTICAL TESTS</b>			
POLY 3	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
**Test Compound:** Urethane + ethanol (combination)  
**CAS Number:** URETHCOMB

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**Time Report Requested:** 03:40:56  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)**  
**LAST REMOVAL AT 110 WEEKS**

DOSE	MALE		
	2.5%ETH/0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/30PPMURE
<b>Adrenal Gland: Cortex</b>			
<b>Cyst</b>			
<b>LESION RATES</b>			
<b>OVERALL(a)</b>	1/268 (0%)	1/137 (1%)	2/139 (1%)
<b>POLY-3 RATE (b)</b>	1/215.13	1/108.25	2/107.44
<b>POLY-3 PERCENT (g)</b>	0.5%	0.9%	1.9%
<b>TERMINAL (d)</b>	1/150 (1%)	0/69 (0%)	1/66 (2%)
<b>FIRST INCIDENCE</b>	764(T)	711	614
<b>STATISTICAL TESTS</b>			
<b>POLY 3</b>	P=0.185	P=0.600	P=0.270
<b>POLY 1.5</b>	P=0.187	P=0.601	P=0.274
<b>POLY 6</b>	P=0.181	P=0.597	P=0.265
<b>COCH-ARM / FISHERS</b>	P=0.191	P=0.563	P=0.270
<b>MAX-ISO-POLY-3</b>	P=0.203	P=0.334	P=0.147
<b>HISTCONT SAME RTE</b>			
<b>HISTCONT ALL RTES</b>			
<b>CURR VS HC SAME RTE</b>			
<b>CURR VS HC ALL RTES</b>			

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First Dose M/F: NA / NA

Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
LAST REMOVAL AT 110 WEEKS**

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DOSE	MALE		
	2.5%ETH/0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/30PPMURE
<b>Adrenal Gland: Cortex</b>			
<b>Hematopoietic Cell Proliferation</b>			
<b>LESION RATES</b>			
OVERALL(a)	0/268 (0%)	0/137 (0%)	0/139 (0%)
POLY-3 RATE (b)	0/215.13	0/108.06	0/106.96
POLY-3 PERCENT (g)	0%	0%	0%
TERMINAL (d)	0/150 (0%)	0/69 (0%)	0/66 (0%)
FIRST INCIDENCE	---	---	---
<b>STATISTICAL TESTS</b>			
POLY 3	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

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Date Report Requested: 10/24/2014

Time Report Requested: 03:40:56

First Dose M/F: NA / NA

Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
LAST REMOVAL AT 110 WEEKS**

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DOSE	MALE		
	2.5%ETH/0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/30PPMURE
<hr/>			
<b>Adrenal Gland: Cortex</b>			
<b>Hyperplasia Focal</b>			
<hr/>			
<b>LESION RATES</b>			
OVERALL(a)	10/268 (4%)	4/137 (3%)	4/139 (3%)
POLY-3 RATE (b)	10/215.14	4/108.39	4/106.96
POLY-3 PERCENT (g)	4.6%	3.7%	3.7%
TERMINAL (d)	9/150 (6%)	3/69 (4%)	4/66 (6%)
FIRST INCIDENCE	761	668	764(T)
<hr/>			
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.389N	P=0.456N	P=0.466N
POLY 1.5	P=0.378N	P=0.453N	P=0.454N
POLY 6	P=0.404N	P=0.465N	P=0.482N
COCH-ARM / FISHERS	P=0.361N	P=0.458N	P=0.448N
MAX-ISO-POLY-3	P=0.506N	P=0.365N	P=0.374N
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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First Dose M/F: NA / NA

Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
LAST REMOVAL AT 110 WEEKS**

---

DOSE	MALE		
	2.5%ETH/0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/30PPMURE
<b>Adrenal Gland: Cortex</b>			
<b>Hypertrophy</b>			
<b>LESION RATES</b>			
OVERALL(a)	35/268 (13%)	23/137 (17%)	16/139 (12%)
POLY-3 RATE (b)	35/215.91	23/108.57	16/107.95
POLY-3 PERCENT (g)	16.2%	21.2%	14.8%
TERMINAL (d)	33/150 (22%)	19/69 (28%)	13/66 (20%)
FIRST INCIDENCE	642	690	620
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.504N	P=0.170	P=0.436N
POLY 1.5	P=0.481N	P=0.178	P=0.417N
POLY 6	P=0.528	P=0.154	P=0.461N
COCH-ARM / FISHERS	P=0.443N	P=0.193	P=0.391N
MAX-ISO-POLY-3	P=0.385N	P=0.169	P=0.390N
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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Experiment Number: 00602-05  
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**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

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First Dose M/F: NA / NA

Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
LAST REMOVAL AT 110 WEEKS**

---

DOSE	MALE		
	2.5%ETH/0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/30PPMURE
<b>Adrenal Gland: Cortex</b>			
<b>Infiltration Cellular Lymphocytic</b>			
<b>LESION RATES</b>			
OVERALL(a)	0/268 (0%)	0/137 (0%)	0/139 (0%)
POLY-3 RATE (b)	0/215.13	0/108.06	0/106.96
POLY-3 PERCENT (g)	0%	0%	0%
TERMINAL (d)	0/150 (0%)	0/69 (0%)	0/66 (0%)
FIRST INCIDENCE	---	---	---
<b>STATISTICAL TESTS</b>			
POLY 3	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

---

Experiment Number: 00602-05  
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STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
LAST REMOVAL AT 110 WEEKS

---

DOSE	MALE		
	2.5%ETH/0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/30PPMURE
<b>Adrenal Gland: Cortex</b>			
<b>Necrosis</b>			
<b>LESION RATES</b>			
OVERALL(a)	0/268 (0%)	0/137 (0%)	2/139 (1%)
POLY-3 RATE (b)	0/215.13	0/108.06	2/107.86
POLY-3 PERCENT (g)	0%	0%	1.9%
TERMINAL (d)	0/150 (0%)	0/69 (0%)	0/66 (0%)
FIRST INCIDENCE	---	---	443
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.046*	(e)	P=0.106
POLY 1.5	P=0.046*	(e)	P=0.108
POLY 6	P=0.045*	(e)	P=0.104
COCH-ARM / FISHERS	P=0.046*	(e)	P=0.116
MAX-ISO-POLY-3	P=0.030*	(e)	P=0.043*
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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Experiment Number: 00602-05  
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 Species/Strain: Mouse/B6C3F1/NCTR

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)  
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Date Report Requested: 10/24/2014  
 Time Report Requested: 03:40:56  
 First Dose M/F: NA / NA  
 Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
 LAST REMOVAL AT 110 WEEKS**

DOSE	MALE		
	2.5%ETH/0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/30PPMURE
<b>Adrenal Gland: Cortex, Subcapsular</b>			
<b>Hyperplasia</b>			
<b>LESION RATES</b>			
OVERALL(a)	216/257 (84%)	118/133 (89%)	118/131 (90%)
POLY-3 RATE (b)	216/239.54	118/127.65	118/122.61
POLY-3 PERCENT (g)	90.2%	92.4%	96.2%
TERMINAL (d)	130/143 (91%)	60/66 (91%)	61/62 (98%)
FIRST INCIDENCE	141	123	210
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.018*	P=0.283	P=0.021*
POLY 1.5	P=0.019*	P=0.214	P=0.026*
POLY 6	P=0.022*	P=0.355	P=0.024*
COCH-ARM / FISHERS	P=0.046*	P=0.136	P=0.069
MAX-ISO-POLY-3	P=0.023*	P=0.246	P=0.025*
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 Test Compound: Urethane + ethanol (combination)  
 CAS Number: URETHCOMB

Date Report Requested: 10/24/2014  
 Time Report Requested: 03:40:56  
 First Dose M/F: NA / NA  
 Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
 LAST REMOVAL AT 110 WEEKS**

DOSE	MALE		
	2.5%ETH/0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/30PPMURE
<b>Adrenal Gland: Medulla</b>			
<b>Autolysis</b>			
<b>LESION RATES</b>			
OVERALL(a)	0/262 (0%)	0/133 (0%)	0/137 (0%)
POLY-3 RATE (b)	0/209.82	0/104.06	0/104.96
POLY-3 PERCENT (g)	0%	0%	0%
TERMINAL (d)	0/146 (0%)	0/65 (0%)	0/64 (0%)
FIRST INCIDENCE	---	---	---
<b>STATISTICAL TESTS</b>			
POLY 3	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			



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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
Test Compound: Urethane + ethanol (combination)  
CAS Number: URETHCOMB

Date Report Requested: 10/24/2014  
Time Report Requested: 03:40:56  
First Dose M/F: NA / NA  
Lab: NCTR

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
LAST REMOVAL AT 110 WEEKS

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DOSE	MALE		
	2.5%ETH/0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/30PPMURE
<b>Adrenal Gland: Medulla</b>			
<b>Hyperplasia</b>			
<b>LESION RATES</b>			
OVERALL(a)	7/262 (3%)	2/133 (2%)	1/137 (1%)
POLY-3 RATE (b)	7/210.99	2/104.33	1/105.16
POLY-3 PERCENT (g)	3.3%	1.9%	1%
TERMINAL (d)	4/146 (3%)	1/65 (2%)	0/64 (0%)
FIRST INCIDENCE	513	687	711
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.127N	P=0.366N	P=0.191N
POLY 1.5	P=0.121N	P=0.361N	P=0.184N
POLY 6	P=0.134N	P=0.377N	P=0.200N
COCH-ARM / FISHERS	P=0.114N	P=0.367N	P=0.176N
MAX-ISO-POLY-3	P=0.176N	P=0.274N	P=0.142N
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/24/2014

Time Report Requested: 03:40:56

First Dose M/F: NA / NA

Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
LAST REMOVAL AT 110 WEEKS**

DOSE	MALE		
	2.5%ETH/0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/30PPMURE
<b>Bone Marrow</b>			
<b>Angiectasis</b>			
<b>LESION RATES</b>			
OVERALL(a)	2/279 (1%)	2/141 (1%)	0/138 (0%)
POLY-3 RATE (b)	2/223.43	2/111.35	0/107.47
POLY-3 PERCENT (g)	0.9%	1.8%	0%
TERMINAL (d)	1/156 (1%)	1/71 (1%)	0/66 (0%)
FIRST INCIDENCE	707	617	---
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.397N	P=0.428	P=0.411N
POLY 1.5	P=0.391N	P=0.431	P=0.408N
POLY 6	P=0.407N	P=0.423	P=0.416N
COCH-ARM / FISHERS	P=0.383N	P=0.412	P=0.447N
MAX-ISO-POLY-3	P=0.251N	P=0.269	P=0.202N
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/24/2014

Time Report Requested: 03:40:56

First Dose M/F: NA / NA

Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
LAST REMOVAL AT 110 WEEKS**

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DOSE	MALE		
	2.5%ETH/0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/30PPMURE
<hr/>			
Bone Marrow			
Autolysis			
<hr/>			
<b>LESION RATES</b>			
OVERALL(a)	0/279 (0%)	0/141 (0%)	0/138 (0%)
POLY-3 RATE (b)	0/223.22	0/110.87	0/107.47
POLY-3 PERCENT (g)	0%	0%	0%
TERMINAL (d)	0/156 (0%)	0/71 (0%)	0/66 (0%)
FIRST INCIDENCE	---	---	---
<hr/>			
<b>STATISTICAL TESTS</b>			
POLY 3	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/24/2014

Time Report Requested: 03:40:56

First Dose M/F: NA / NA

Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
LAST REMOVAL AT 110 WEEKS**

DOSE	MALE		
	2.5%ETH/0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/30PPMURE
<b>Bone Marrow</b>			
<b>Hyperplasia</b>			
<b>LESION RATES</b>			
OVERALL(a)	45/279 (16%)	19/141 (13%)	14/138 (10%)
POLY-3 RATE (b)	45/241.44	19/120.16	14/114.81
POLY-3 PERCENT (g)	18.6%	15.8%	12.2%
TERMINAL (d)	12/156 (8%)	3/71 (4%)	0/66 (0%)
FIRST INCIDENCE	98	120	299
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.071N	P=0.302N	P=0.084N
POLY 1.5	P=0.066N	P=0.294N	P=0.079N
POLY 6	P=0.079N	P=0.321N	P=0.093N
COCH-ARM / FISHERS	P=0.056N	P=0.287N	P=0.064N
MAX-ISO-POLY-3	P=0.096N	P=0.283N	P=0.097N
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/24/2014

Time Report Requested: 03:40:56

First Dose M/F: NA / NA

Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
LAST REMOVAL AT 110 WEEKS**

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DOSE	MALE		
	2.5%ETH/0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/30PPMURE
<b>Bone Marrow</b>			
<b>Necrosis</b>			
<b>LESION RATES</b>			
OVERALL(a)	2/279 (1%)	1/141 (1%)	2/138 (1%)
POLY-3 RATE (b)	2/223.46	1/111.18	2/107.92
POLY-3 PERCENT (g)	0.9%	0.9%	1.9%
TERMINAL (d)	0/156 (0%)	0/71 (0%)	0/66 (0%)
FIRST INCIDENCE	712	675	684
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.333	P=0.729	P=0.417
POLY 1.5	P=0.336	P=0.729N	P=0.421
POLY 6	P=0.328	P=0.724	P=0.411
COCH-ARM / FISHERS	P=0.339	P=0.708	P=0.403
MAX-ISO-POLY-3	P=0.355	P=0.499	P=0.262
<b>HISTCONT SAME RTE</b>			
<b>HISTCONT ALL RTES</b>			
<b>CURR VS HC SAME RTE</b>			
<b>CURR VS HC ALL RTES</b>			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)  
 CAS Number: URETHCOMB

Date Report Requested: 10/24/2014  
 Time Report Requested: 03:40:56  
 First Dose M/F: NA / NA  
 Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
 LAST REMOVAL AT 110 WEEKS**

DOSE	MALE		
	2.5%ETH/0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/30PPMURE
<b>Bone Marrow: Myeloid Cell</b>			
<b>Hyperplasia</b>			
<b>LESION RATES</b>			
OVERALL(a)	0/279 (0%)	0/141 (0%)	0/138 (0%)
POLY-3 RATE (b)	0/223.22	0/110.87	0/107.47
POLY-3 PERCENT (g)	0%	0%	0%
TERMINAL (d)	0/156 (0%)	0/71 (0%)	0/66 (0%)
FIRST INCIDENCE	---	---	---
<b>STATISTICAL TESTS</b>			
POLY 3	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)  
 CAS Number: URETHCOMB

Date Report Requested: 10/24/2014  
 Time Report Requested: 03:40:56  
 First Dose M/F: NA / NA  
 Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
 LAST REMOVAL AT 110 WEEKS**

DOSE	MALE		
	2.5%ETH/0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/30PPMURE
<b>Bone: Calvarium</b>			
<b>Hyperostosis</b>			
<b>LESION RATES</b>			
OVERALL(a)	0/285 (0%)	0/143 (0%)	2/142 (1%)
POLY-3 RATE (b)	0/224.76	0/111.98	2/108.67
POLY-3 PERCENT (g)	0%	0%	1.8%
TERMINAL (d)	0/156 (0%)	0/71 (0%)	1/66 (2%)
FIRST INCIDENCE	---	---	684
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.043*	(e)	P=0.100
POLY 1.5	P=0.043*	(e)	P=0.102
POLY 6	P=0.043*	(e)	P=0.098
COCH-ARM / FISHERS	P=0.043*	(e)	P=0.110
MAX-ISO-POLY-3	P=0.028*	(e)	P=0.041*
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 Test Compound: Urethane + ethanol (combination)  
 CAS Number: URETHCOMB

Date Report Requested: 10/24/2014  
 Time Report Requested: 03:40:56  
 First Dose M/F: NA / NA  
 Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
 LAST REMOVAL AT 110 WEEKS**

DOSE	MALE		
	2.5%ETH/0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/30PPMURE
<b>Bone: Cartilage, Femur, Joint Degeneration</b>			
<b>LESION RATES</b>			
OVERALL(a)	52/285 (18%)	27/143 (19%)	29/142 (20%)
POLY-3 RATE (b)	52/225.97	27/112.18	29/109.69
POLY-3 PERCENT (g)	23%	24.1%	26.4%
TERMINAL (d)	45/156 (29%)	24/71 (34%)	22/66 (33%)
FIRST INCIDENCE	662	733	623
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.270	P=0.468	P=0.289
POLY 1.5	P=0.292	P=0.482	P=0.310
POLY 6	P=0.239	P=0.429	P=0.262
COCH-ARM / FISHERS	P=0.321	P=0.485	P=0.338
MAX-ISO-POLY-3	P=0.377	P=0.425	P=0.276
HISTCONT SAME RTE			
HISTCONT ALL RTEs			
CURR VS HC SAME RTE			
CURR VS HC ALL RTEs			



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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)  
 CAS Number: URETHCOMB

Date Report Requested: 10/24/2014  
 Time Report Requested: 03:40:56  
 First Dose M/F: NA / NA  
 Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
 LAST REMOVAL AT 110 WEEKS**

DOSE	MALE		
	2.5%ETH/0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/30PPMURE
<b>Bone: Femur</b>			
<b>Fibrous Osteodystrophy</b>			
<b>LESION RATES</b>			
OVERALL(a)	0/234 (0%)	0/116 (0%)	0/113 (0%)
POLY-3 RATE (b)	0/174.79	0/85.48	0/80.69
POLY-3 PERCENT (g)	0%	0%	0%
TERMINAL (d)	0/111 (0%)	0/47 (0%)	0/44 (0%)
FIRST INCIDENCE	---	---	---
<b>STATISTICAL TESTS</b>			
POLY 3	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
Test Compound: Urethane + ethanol (combination)  
CAS Number: URETHCOMB

Date Report Requested: 10/24/2014  
Time Report Requested: 03:40:56  
First Dose M/F: NA / NA  
Lab: NCTR

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
LAST REMOVAL AT 110 WEEKS

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DOSE	MALE		
	2.5%ETH/0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/30PPMURE
<b>Bone: Sternum</b>			
<b>Fibrous Osteodystrophy</b>			
<b>LESION RATES</b>			
OVERALL(a)	0/285 (0%)	0/143 (0%)	0/142 (0%)
POLY-3 RATE (b)	0/224.76	0/111.98	0/108.39
POLY-3 PERCENT (g)	0%	0%	0%
TERMINAL (d)	0/156 (0%)	0/71 (0%)	0/66 (0%)
FIRST INCIDENCE	---	---	---
<b>STATISTICAL TESTS</b>			
POLY 3	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)  
 CAS Number: URETHCOMB

Date Report Requested: 10/24/2014  
 Time Report Requested: 03:40:56  
 First Dose M/F: NA / NA  
 Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
 LAST REMOVAL AT 110 WEEKS**

DOSE	MALE		
	2.5%ETH/0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/30PPMURE
<b>Bone: Sternum</b>			
<b>Hyperostosis</b>			
<b>LESION RATES</b>			
OVERALL(a)	3/285 (1%)	0/143 (0%)	1/142 (1%)
POLY-3 RATE (b)	3/225.17	0/111.98	1/108.39
POLY-3 PERCENT (g)	1.3%	0%	0.9%
TERMINAL (d)	1/156 (1%)	0/71 (0%)	0/66 (0%)
FIRST INCIDENCE	703	---	763
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.390N	P=0.271N	P=0.584N
POLY 1.5	P=0.386N	P=0.269N	P=0.579N
POLY 6	P=0.397N	P=0.276N	P=0.593N
COCH-ARM / FISHERS	P=0.382N	P=0.294N	P=0.594N
MAX-ISO-POLY-3	P=0.348N	P=0.146N	P=0.392N
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/24/2014

Time Report Requested: 03:40:56

First Dose M/F: NA / NA

Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
LAST REMOVAL AT 110 WEEKS**

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DOSE	MALE		
	2.5%ETH/0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/30PPMURE
<b>Brain: Cerebellum</b>			
<b>Hemorrhage</b>			
<b>LESION RATES</b>			
OVERALL(a)	0/278 (0%)	1/143 (1%)	0/139 (0%)
POLY-3 RATE (b)	0/221.18	1/112.39	0/106.22
POLY-3 PERCENT (g)	0%	0.9%	0%
TERMINAL (d)	0/156 (0%)	0/71 (0%)	0/65 (0%)
FIRST INCIDENCE	---	640	---
<b>STATISTICAL TESTS</b>			
POLY 3	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/24/2014

Time Report Requested: 03:40:56

First Dose M/F: NA / NA

Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
 LAST REMOVAL AT 110 WEEKS**

DOSE	MALE		
	2.5%ETH/0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/30PPMURE
<b>Brain: Cerebrum</b>			
<b>Granuloma</b>			
<b>LESION RATES</b>			
OVERALL(a)	0/138 (0%)	0/73 (0%)	0/68 (0%)
POLY-3 RATE (b)	0/93.60	0/49.21	0/45.75
POLY-3 PERCENT (g)	0%	0%	0%
TERMINAL (d)	0/58 (0%)	0/29 (0%)	0/23 (0%)
FIRST INCIDENCE	---	---	---
<b>STATISTICAL TESTS</b>			
POLY 3	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)  
 CAS Number: URETHCOMB

Date Report Requested: 10/24/2014  
 Time Report Requested: 03:40:56  
 First Dose M/F: NA / NA  
 Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
 LAST REMOVAL AT 110 WEEKS**

DOSE	MALE		
	2.5%ETH/0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/30PPMURE
<b>Brain: Cerebrum</b>			
<b>Hemorrhage</b>			
<b>LESION RATES</b>			
OVERALL(a)	0/138 (0%)	0/73 (0%)	0/68 (0%)
POLY-3 RATE (b)	0/93.60	0/49.21	0/45.75
POLY-3 PERCENT (g)	0%	0%	0%
TERMINAL (d)	0/58 (0%)	0/29 (0%)	0/23 (0%)
FIRST INCIDENCE	---	---	---
<b>STATISTICAL TESTS</b>			
POLY 3	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
Test Compound: Urethane + ethanol (combination)  
CAS Number: URETHCOMB

Date Report Requested: 10/24/2014  
Time Report Requested: 03:40:56  
First Dose M/F: NA / NA  
Lab: NCTR

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
LAST REMOVAL AT 110 WEEKS

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DOSE	MALE		
	2.5%ETH/0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/30PPMURE
<b>Brain: Cerebrum, Thalamus</b>			
<b>Mineralization</b>			
<b>LESION RATES</b>			
OVERALL(a)	151/284 (53%)	70/139 (50%)	74/142 (52%)
POLY-3 RATE (b)	151/241.62	70/117.74	74/118.98
POLY-3 PERCENT (g)	62.5%	59.5%	62.2%
TERMINAL (d)	99/156 (63%)	42/71 (59%)	43/66 (65%)
FIRST INCIDENCE	403	528	444
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.458N	P=0.324N	P=0.525N
POLY 1.5	P=0.430N	P=0.321N	P=0.492N
POLY 6	P=0.507N	P=0.348N	P=0.525
COCH-ARM / FISHERS	P=0.406N	P=0.330N	P=0.459N
MAX-ISO-POLY-3	P=0.537N	P=0.309N	P=0.480N
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)  
 CAS Number: URETHCOMB

Date Report Requested: 10/24/2014  
 Time Report Requested: 03:40:56  
 First Dose M/F: NA / NA  
 Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
 LAST REMOVAL AT 110 WEEKS**

DOSE	MALE		
	2.5%ETH/0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/30PPMURE
<b>Coagulating Gland</b>			
<b>Atrophy</b>			
<b>LESION RATES</b>			
OVERALL(a)	20/279 (7%)	18/139 (13%)	17/139 (12%)
POLY-3 RATE (b)	20/226.40	18/113.57	17/110.53
POLY-3 PERCENT (g)	8.8%	15.8%	15.4%
TERMINAL (d)	8/156 (5%)	8/71 (11%)	3/66 (5%)
FIRST INCIDENCE	548	569	542
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.031*	P=0.039*	P=0.052
POLY 1.5	P=0.033*	P=0.039*	P=0.056
POLY 6	P=0.029*	P=0.037*	P=0.049*
COCH-ARM / FISHERS	P=0.038*	P=0.042*	P=0.065
MAX-ISO-POLY-3	P=0.040*	P=0.045*	P=0.060
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			



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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/24/2014

Time Report Requested: 03:40:56

First Dose M/F: NA / NA

Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
LAST REMOVAL AT 110 WEEKS**

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DOSE	MALE		
	2.5%ETH/0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/30PPMURE
<hr/>			
Coagulating Gland			
Dilatation			
<hr/>			
LESION RATES			
OVERALL(a)	6/279 (2%)	0/139 (0%)	3/139 (2%)
POLY-3 RATE (b)	6/224.97	0/110.18	3/107.12
POLY-3 PERCENT (g)	2.7%	0%	2.8%
TERMINAL (d)	2/156 (1%)	0/71 (0%)	2/66 (3%)
FIRST INCIDENCE	306	---	690
<hr/>			
STATISTICAL TESTS			
POLY 3	P=0.477N	P=0.099N	P=0.614
POLY 1.5	P=0.470N	P=0.097N	P=0.623
POLY 6	P=0.486N	P=0.102N	P=0.602
COCH-ARM / FISHERS	P=0.462N	P=0.087N	P=0.623
MAX-ISO-POLY-3	P=0.356N	P=0.069N	P=0.476
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 Test Compound: Urethane + ethanol (combination)  
 CAS Number: URETHCOMB

Date Report Requested: 10/24/2014  
 Time Report Requested: 03:40:56  
 First Dose M/F: NA / NA  
 Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
 LAST REMOVAL AT 110 WEEKS**

DOSE	MALE		
	2.5%ETH/0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/30PPMURE
<b>Coagulating Gland</b>			
<b>Infiltration Cellular Lymphocytic</b>			
<b>LESION RATES</b>			
OVERALL(a)	24/279 (9%)	9/139 (6%)	2/139 (1%)
POLY-3 RATE (b)	24/224.56	9/110.27	2/106.85
POLY-3 PERCENT (g)	10.7%	8.2%	1.9%
TERMINAL (d)	20/156 (13%)	8/71 (11%)	2/66 (3%)
FIRST INCIDENCE	511	739	764(T)
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.005N**	P=0.297N	P=0.005N**
POLY 1.5	P=0.004N**	P=0.290N	P=0.004N**
POLY 6	P=0.006N**	P=0.313N	P=0.006N**
COCH-ARM / FISHERS	P=0.004N**	P=0.290N	P=0.002N**
MAX-ISO-POLY-3	P=0.005N**	P=0.265N	P=0.009N**
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/24/2014

Time Report Requested: 03:40:56

First Dose M/F: NA / NA

Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
LAST REMOVAL AT 110 WEEKS**

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DOSE	MALE		
	2.5%ETH/0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/30PPMURE
<hr/>			
Coagulating Gland			
Inflammation Acute			
<hr/>			
<b>LESION RATES</b>			
OVERALL(a)	3/279 (1%)	1/139 (1%)	1/139 (1%)
POLY-3 RATE (b)	3/225.67	1/110.38	1/107.50
POLY-3 PERCENT (g)	1.3%	0.9%	0.9%
TERMINAL (d)	0/156 (0%)	0/71 (0%)	0/66 (0%)
FIRST INCIDENCE	320	710	539
<hr/>			
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.465N	P=0.579N	P=0.588N
POLY 1.5	P=0.458N	P=0.576N	P=0.582N
POLY 6	P=0.474N	P=0.584N	P=0.596N
COCH-ARM / FISHERS	P=0.448N	P=0.594N	P=0.594N
MAX-ISO-POLY-3	P=0.533N	P=0.387N	P=0.395N
HISTCONT SAME RTE			
HISTCONT ALL RTEs			
CURR VS HC SAME RTE			
CURR VS HC ALL RTEs			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/24/2014

Time Report Requested: 03:40:56

First Dose M/F: NA / NA

Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
 LAST REMOVAL AT 110 WEEKS**

DOSE	MALE		
	2.5%ETH/0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/30PPMURE
<b>Coagulating Gland</b>			
<b>Inflammation Chronic</b>			
<b>LESION RATES</b>			
OVERALL(a)	0/279 (0%)	2/139 (1%)	1/139 (1%)
POLY-3 RATE (b)	0/222.98	2/112.05	1/106.85
POLY-3 PERCENT (g)	0%	1.8%	0.9%
TERMINAL (d)	0/156 (0%)	0/71 (0%)	1/66 (2%)
FIRST INCIDENCE	---	123	764(T)
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.181	P=0.105	P=0.354
POLY 1.5	P=0.185	P=0.105	P=0.357
POLY 6	P=0.175	P=0.103	P=0.350
COCH-ARM / FISHERS	P=0.191	P=0.110	P=0.333
MAX-ISO-POLY-3	P=0.159	P=0.041*	P=0.110
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/24/2014

Time Report Requested: 03:40:56

First Dose M/F: NA / NA

Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
LAST REMOVAL AT 110 WEEKS**

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DOSE	MALE		
	2.5%ETH/0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/30PPMURE
<hr/>			
Epididymis			
Granuloma Sperm			
<hr/>			
<b>LESION RATES</b>			
OVERALL(a)	1/281 (0%)	1/142 (1%)	3/143 (2%)
POLY-3 RATE (b)	1/224.71	1/111.39	3/109.67
POLY-3 PERCENT (g)	0.4%	0.9%	2.7%
TERMINAL (d)	1/156 (1%)	1/71 (1%)	0/66 (0%)
FIRST INCIDENCE	764(T)	764(T)	507
<hr/>			
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.067	P=0.596	P=0.103
POLY 1.5	P=0.068	P=0.599	P=0.106
POLY 6	P=0.064	P=0.592	P=0.099
COCH-ARM / FISHERS	P=0.071	P=0.559	P=0.114
MAX-ISO-POLY-3	P=0.075	P=0.331	P=0.062
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/24/2014

Time Report Requested: 03:40:56

First Dose M/F: NA / NA

Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
LAST REMOVAL AT 110 WEEKS**

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DOSE	MALE		
	2.5%ETH/0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/30PPMURE
<b>Epididymis</b>			
<b>Infiltration Cellular Lymphocytic</b>			
<b>LESION RATES</b>			
OVERALL(a)	38/281 (14%)	12/142 (8%)	12/143 (8%)
POLY-3 RATE (b)	38/227.73	12/111.55	12/109.79
POLY-3 PERCENT (g)	16.7%	10.8%	10.9%
TERMINAL (d)	29/156 (19%)	10/71 (14%)	8/66 (12%)
FIRST INCIDENCE	580	743	620
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.062N	P=0.099N	P=0.110N
POLY 1.5	P=0.054N	P=0.092N	P=0.097N
POLY 6	P=0.074N	P=0.116N	P=0.128N
COCH-ARM / FISHERS	P=0.046N*	P=0.084N	P=0.080N
MAX-ISO-POLY-3	P=0.083N	P=0.107N	P=0.118N
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
Test Compound: Urethane + ethanol (combination)  
CAS Number: URETHCOMB

Date Report Requested: 10/24/2014  
Time Report Requested: 03:40:56  
First Dose M/F: NA / NA  
Lab: NCTR

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
LAST REMOVAL AT 110 WEEKS

DOSE	MALE		
	2.5%ETH/0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/30PPMURE
<b>Epididymis</b>			
<b>Inflammation Chronic</b>			
<b>LESION RATES</b>			
OVERALL(a)	7/281 (2%)	4/142 (3%)	8/143 (6%)
POLY-3 RATE (b)	7/224.74	4/111.84	8/109.51
POLY-3 PERCENT (g)	3.1%	3.6%	7.3%
TERMINAL (d)	6/156 (4%)	2/71 (3%)	4/66 (6%)
FIRST INCIDENCE	754	668	671
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.064	P=0.540	P=0.074
POLY 1.5	P=0.068	P=0.545	P=0.079
POLY 6	P=0.060	P=0.530	P=0.068
COCH-ARM / FISHERS	P=0.075	P=0.535	P=0.090
MAX-ISO-POLY-3	P=0.087	P=0.423	P=0.070
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/24/2014

Time Report Requested: 03:40:56

First Dose M/F: NA / NA

Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
LAST REMOVAL AT 110 WEEKS**

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DOSE	MALE		
	2.5%ETH/0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/30PPMURE
Esophagus			
Autolysis			
<b>LESION RATES</b>			
OVERALL(a)	0/281 (0%)	0/142 (0%)	0/142 (0%)
POLY-3 RATE (b)	0/223.65	0/111.95	0/107.52
POLY-3 PERCENT (g)	0%	0%	0%
TERMINAL (d)	0/154 (0%)	0/71 (0%)	0/65 (0%)
FIRST INCIDENCE	---	---	---
<b>STATISTICAL TESTS</b>			
POLY 3	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

---



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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 Test Compound: Urethane + ethanol (combination)  
 CAS Number: URETHCOMB

Date Report Requested: 10/24/2014  
 Time Report Requested: 03:40:56  
 First Dose M/F: NA / NA  
 Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
 LAST REMOVAL AT 110 WEEKS**

DOSE	MALE		
	2.5%ETH/0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/30PPMURE
<b>Eye</b>			
<b>Atrophy</b>			
<b>LESION RATES</b>			
OVERALL(a)	1/283 (0%)	1/140 (1%)	0/142 (0%)
POLY-3 RATE (b)	1/225.26	1/111.34	0/108.61
POLY-3 PERCENT (g)	0.4%	0.9%	0%
TERMINAL (d)	0/156 (0%)	0/71 (0%)	0/66 (0%)
FIRST INCIDENCE	293	154	---
<b>STATISTICAL TESTS</b>			
POLY 3	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)
HISTCONT SAME RTE			
HISTCONT ALL RTEs			
CURR VS HC SAME RTE			
CURR VS HC ALL RTEs			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/24/2014

Time Report Requested: 03:40:56

First Dose M/F: NA / NA

Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
LAST REMOVAL AT 110 WEEKS**

---

DOSE	MALE		
	2.5%ETH/0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/30PPMURE
Eye			
Autolysis			
<b>LESION RATES</b>			
OVERALL(a)	0/283 (0%)	0/140 (0%)	0/142 (0%)
POLY-3 RATE (b)	0/224.31	0/110.35	0/108.61
POLY-3 PERCENT (g)	0%	0%	0%
TERMINAL (d)	0/156 (0%)	0/71 (0%)	0/66 (0%)
FIRST INCIDENCE	---	---	---
<b>STATISTICAL TESTS</b>			
POLY 3	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

---

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/24/2014

Time Report Requested: 03:40:56

First Dose M/F: NA / NA

Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
 LAST REMOVAL AT 110 WEEKS**

DOSE	MALE		
	2.5%ETH/0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/30PPMURE
<b>Eye</b>			
<b>Phthisis Bulbi</b>			
<b>LESION RATES</b>			
OVERALL(a)	0/283 (0%)	0/140 (0%)	0/142 (0%)
POLY-3 RATE (b)	0/224.31	0/110.35	0/108.61
POLY-3 PERCENT (g)	0%	0%	0%
TERMINAL (d)	0/156 (0%)	0/71 (0%)	0/66 (0%)
FIRST INCIDENCE	---	---	---
<b>STATISTICAL TESTS</b>			
POLY 3	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/24/2014

Time Report Requested: 03:40:56

First Dose M/F: NA / NA

Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
 LAST REMOVAL AT 110 WEEKS**

DOSE	MALE		
	2.5%ETH/0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/30PPMURE
<b>Eye: Cornea</b>			
<b>Inflammation</b>			
<b>LESION RATES</b>			
OVERALL(a)	0/283 (0%)	0/140 (0%)	0/142 (0%)
POLY-3 RATE (b)	0/224.31	0/110.35	0/108.61
POLY-3 PERCENT (g)	0%	0%	0%
TERMINAL (d)	0/156 (0%)	0/71 (0%)	0/66 (0%)
FIRST INCIDENCE	---	---	---
<b>STATISTICAL TESTS</b>			
POLY 3	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)  
 CAS Number: URETHCOMB

Date Report Requested: 10/24/2014  
 Time Report Requested: 03:40:56  
 First Dose M/F: NA / NA  
 Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
 LAST REMOVAL AT 110 WEEKS**

DOSE	MALE		
	2.5%ETH/0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/30PPMURE
<b>Eye: Cornea</b>			
<b>Inflammation Acute</b>			
<b>LESION RATES</b>			
OVERALL(a)	4/283 (1%)	3/140 (2%)	3/142 (2%)
POLY-3 RATE (b)	4/224.96	3/110.80	3/109.24
POLY-3 PERCENT (g)	1.8%	2.7%	2.7%
TERMINAL (d)	1/156 (1%)	0/71 (0%)	0/66 (0%)
FIRST INCIDENCE	599	690	697
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.336	P=0.439	P=0.432
POLY 1.5	P=0.343	P=0.441	P=0.439
POLY 6	P=0.327	P=0.432	P=0.422
COCH-ARM / FISHERS	P=0.351	P=0.424	P=0.431
MAX-ISO-POLY-3	P=0.439	P=0.314	P=0.310
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)  
 CAS Number: URETHCOMB

Date Report Requested: 10/24/2014  
 Time Report Requested: 03:40:56  
 First Dose M/F: NA / NA  
 Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
 LAST REMOVAL AT 110 WEEKS**

DOSE	MALE		
	2.5%ETH/0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/30PPMURE
<b>Eye: Cornea</b>			
<b>Inflammation Chronic</b>			
<b>LESION RATES</b>			
OVERALL(a)	16/283 (6%)	14/140 (10%)	13/142 (9%)
POLY-3 RATE (b)	16/225.54	14/111.59	13/109.05
POLY-3 PERCENT (g)	7.1%	12.5%	11.9%
TERMINAL (d)	11/156 (7%)	9/71 (13%)	8/66 (12%)
FIRST INCIDENCE	569	569	690
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.066	P=0.072	P=0.104
POLY 1.5	P=0.073	P=0.074	P=0.113
POLY 6	P=0.056	P=0.068	P=0.092
COCH-ARM / FISHERS	P=0.084	P=0.078	P=0.127
MAX-ISO-POLY-3	P=0.088	P=0.076	P=0.105
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/24/2014

Time Report Requested: 03:40:56

First Dose M/F: NA / NA

Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
LAST REMOVAL AT 110 WEEKS**

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DOSE	MALE		
	2.5%ETH/0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/30PPMURE
<hr/>			
Eye: Lens			
Cataract			
<hr/>			
<b>LESION RATES</b>			
OVERALL(a)	4/283 (1%)	10/140 (7%)	9/142 (6%)
POLY-3 RATE (b)	4/224.31	10/111.93	9/109.00
POLY-3 PERCENT (g)	1.8%	8.9%	8.3%
TERMINAL (d)	4/156 (3%)	7/71 (10%)	5/66 (8%)
FIRST INCIDENCE	764(T)	123	691
<hr/>			
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.003**	P=0.002**	P=0.005**
POLY 1.5	P=0.003**	P=0.002**	P=0.006**
POLY 6	P=0.003**	P=0.002**	P=0.005**
COCH-ARM / FISHERS	P=0.004**	P=0.003**	P=0.008**
MAX-ISO-POLY-3	P=0.004**	P=0.003**	P=0.007**
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
Test Compound: Urethane + ethanol (combination)  
CAS Number: URETHCOMB

Date Report Requested: 10/24/2014  
Time Report Requested: 03:40:56  
First Dose M/F: NA / NA  
Lab: NCTR

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
LAST REMOVAL AT 110 WEEKS

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DOSE	MALE		
	2.5%ETH/0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/30PPMURE
Gallbladder			
Autolysis			
LESION RATES			
OVERALL(a)	0/213 (0%)	0/120 (0%)	0/99 (0%)
POLY-3 RATE (b)	0/185.64	0/97.82	0/82.14
POLY-3 PERCENT (g)	0%	0%	0%
TERMINAL (d)	0/146 (0%)	0/69 (0%)	0/58 (0%)
FIRST INCIDENCE	---	---	---
STATISTICAL TESTS			
POLY 3	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Test Compound: Urethane + ethanol (combination)  
 CAS Number: URETHCOMB

Date Report Requested: 10/24/2014  
 Time Report Requested: 03:40:56  
 First Dose M/F: NA / NA  
 Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
 LAST REMOVAL AT 110 WEEKS**

DOSE	MALE		
	2.5%ETH/0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/30PPMURE
<b>Gallbladder</b>			
<b>Infiltration Cellular Lymphocytic</b>			
<b>LESION RATES</b>			
OVERALL(a)	2/213 (1%)	0/120 (0%)	0/99 (0%)
POLY-3 RATE (b)	2/185.64	0/97.82	0/82.14
POLY-3 PERCENT (g)	1.1%	0%	0%
TERMINAL (d)	2/146 (1%)	0/69 (0%)	0/58 (0%)
FIRST INCIDENCE	764(T)	---	---
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.207N	P=0.389N	P=0.431N
POLY 1.5	P=0.203N	P=0.384N	P=0.427N
POLY 6	P=0.212N	P=0.398N	P=0.438N
COCH-ARM / FISHERS	P=0.197N	P=0.408N	P=0.465N
MAX-ISO-POLY-3	P=0.247N	P=0.190N	P=0.216N
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/24/2014

Time Report Requested: 03:40:56

First Dose M/F: NA / NA

Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
LAST REMOVAL AT 110 WEEKS**

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DOSE	MALE		
	2.5%ETH/0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/30PPMURE
<b>Gallbladder</b>			
<b>Inflammation Acute</b>			
<b>LESION RATES</b>			
OVERALL(a)	4/213 (2%)	1/120 (1%)	3/99 (3%)
POLY-3 RATE (b)	4/185.64	1/97.82	3/82.14
POLY-3 PERCENT (g)	2.2%	1%	3.7%
TERMINAL (d)	4/146 (3%)	1/69 (1%)	3/58 (5%)
FIRST INCIDENCE	764(T)	764(T)	764(T)
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.371	P=0.416N	P=0.386
POLY 1.5	P=0.379	P=0.407N	P=0.395
POLY 6	P=0.360	P=0.430N	P=0.374
COCH-ARM / FISHERS	P=0.394	P=0.407N	P=0.392
MAX-ISO-POLY-3	P=0.289	P=0.278N	P=0.277
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)  
 CAS Number: URETHCOMB

Date Report Requested: 10/24/2014  
 Time Report Requested: 03:40:56  
 First Dose M/F: NA / NA  
 Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
 LAST REMOVAL AT 110 WEEKS**

DOSE	MALE		
	2.5%ETH/0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/30PPMURE
<b>Gallbladder</b>			
<b>Inflammation Chronic</b>			
<b>LESION RATES</b>			
OVERALL(a)	2/213 (1%)	0/120 (0%)	1/99 (1%)
POLY-3 RATE (b)	2/185.64	0/97.82	1/82.67
POLY-3 PERCENT (g)	1.1%	0%	1.2%
TERMINAL (d)	2/146 (1%)	0/69 (0%)	0/58 (0%)
FIRST INCIDENCE	764(T)	---	593
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.596N	P=0.389N	P=0.701
POLY 1.5	P=0.591N	P=0.384N	P=0.706
POLY 6	P=0.603N	P=0.398N	P=0.695
COCH-ARM / FISHERS	P=0.583N	P=0.408N	P=0.683
MAX-ISO-POLY-3	P=0.490N	P=0.190N	P=0.469
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/24/2014

Time Report Requested: 03:40:56

First Dose M/F: NA / NA

Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
LAST REMOVAL AT 110 WEEKS**

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DOSE	MALE		
	2.5%ETH/0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/30PPMURE
<hr/>			
Harderian Gland			
Hyperplasia			
<hr/>			
<b>LESION RATES</b>			
OVERALL(a)	0/283 (0%)	0/143 (0%)	0/141 (0%)
POLY-3 RATE (b)	0/223.94	0/111.98	0/108.19
POLY-3 PERCENT (g)	0%	0%	0%
TERMINAL (d)	0/155 (0%)	0/71 (0%)	0/66 (0%)
FIRST INCIDENCE	---	---	---
<hr/>			
<b>STATISTICAL TESTS</b>			
POLY 3	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)  
 CAS Number: URETHCOMB

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

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
 LAST REMOVAL AT 110 WEEKS**

DOSE	MALE		
	2.5%ETH/0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/30PPMURE
<b>Harderian Gland</b>			
<b>Hyperplasia Focal</b>			
<b>LESION RATES</b>			
OVERALL(a)	7/283 (2%)	2/143 (1%)	2/141 (1%)
POLY-3 RATE (b)	7/224.95	2/112.65	2/108.82
POLY-3 PERCENT (g)	3.1%	1.8%	1.8%
TERMINAL (d)	3/155 (2%)	1/71 (1%)	0/66 (0%)
FIRST INCIDENCE	611	528	671
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.273N	P=0.359N	P=0.378N
POLY 1.5	P=0.267N	P=0.356N	P=0.370N
POLY 6	P=0.283N	P=0.370N	P=0.389N
COCH-ARM / FISHERS	P=0.260N	P=0.369N	P=0.377N
MAX-ISO-POLY-3	P=0.375N	P=0.267N	P=0.283N
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)  
 CAS Number: URETHCOMB

Date Report Requested: 10/24/2014  
 Time Report Requested: 03:40:56  
 First Dose M/F: NA / NA  
 Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
 LAST REMOVAL AT 110 WEEKS**

DOSE	MALE		
	2.5%ETH/0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/30PPMURE
<b>Harderian Gland</b>			
<b>Infiltration Cellular Lymphocytic</b>			
<b>LESION RATES</b>			
OVERALL(a)	85/283 (30%)	32/143 (22%)	38/141 (27%)
POLY-3 RATE (b)	85/232.02	32/115.57	38/113.00
POLY-3 PERCENT (g)	36.6%	27.7%	33.6%
TERMINAL (d)	59/155 (38%)	21/71 (30%)	21/66 (32%)
FIRST INCIDENCE	293	436	539
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.215N	P=0.058N	P=0.332N
POLY 1.5	P=0.202N	P=0.056N	P=0.314N
POLY 6	P=0.236N	P=0.071N	P=0.356N
COCH-ARM / FISHERS	P=0.191N	P=0.059N	P=0.294N
MAX-ISO-POLY-3	P=0.232N	P=0.072N	P=0.317N
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/24/2014

Time Report Requested: 03:40:56

First Dose M/F: NA / NA

Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
 LAST REMOVAL AT 110 WEEKS**

DOSE	MALE		
	2.5%ETH/0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/30PPMURE
<b>Harderian Gland Inflammation</b>			
<b>LESION RATES</b>			
OVERALL(a)	0/283 (0%)	0/143 (0%)	0/141 (0%)
POLY-3 RATE (b)	0/223.94	0/111.98	0/108.19
POLY-3 PERCENT (g)	0%	0%	0%
TERMINAL (d)	0/155 (0%)	0/71 (0%)	0/66 (0%)
FIRST INCIDENCE	---	---	---
<b>STATISTICAL TESTS</b>			
POLY 3	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/24/2014

Time Report Requested: 03:40:56

First Dose M/F: NA / NA

Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
LAST REMOVAL AT 110 WEEKS**

DOSE	MALE		
	2.5%ETH/0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/30PPMURE
<b>Harderian Gland</b>			
<b>Inflammation Chronic</b>			
<b>LESION RATES</b>			
OVERALL(a)	2/283 (1%)	2/143 (1%)	0/141 (0%)
POLY-3 RATE (b)	2/223.94	2/111.98	0/108.19
POLY-3 PERCENT (g)	0.9%	1.8%	0%
TERMINAL (d)	2/155 (1%)	2/71 (3%)	0/66 (0%)
FIRST INCIDENCE	764(T)	764(T)	---
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.397N	P=0.430	P=0.410N
POLY 1.5	P=0.389N	P=0.432	P=0.406N
POLY 6	P=0.408N	P=0.423	P=0.416N
COCH-ARM / FISHERS	P=0.381N	P=0.412	P=0.445N
MAX-ISO-POLY-3	P=0.251N	P=0.270	P=0.201N
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			



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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Test Compound: Urethane + ethanol (combination)  
 CAS Number: URETHCOMB

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

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
 LAST REMOVAL AT 110 WEEKS

DOSE	MALE		
	2.5%ETH/0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/30PPMURE
<b>Heart</b>			
<b>Angiectasis</b>			
<b>LESION RATES</b>			
OVERALL(a)	14/286 (5%)	20/143 (14%)	6/144 (4%)
POLY-3 RATE (b)	14/229.90	20/115.65	6/110.22
POLY-3 PERCENT (g)	6.1%	17.3%	5.4%
TERMINAL (d)	4/156 (3%)	8/71 (11%)	4/66 (6%)
FIRST INCIDENCE	510	552	593
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.320	P<0.001**	P=0.504N
POLY 1.5	P=0.350	P<0.001**	P=0.485N
POLY 6	P=0.281	P<0.001**	P=0.529N
COCH-ARM / FISHERS	P=0.390	P<0.001**	P=0.472N
MAX-ISO-POLY-3	P=0.107	P=0.002**	P=0.420N
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/24/2014

Time Report Requested: 03:40:56

First Dose M/F: NA / NA

Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
LAST REMOVAL AT 110 WEEKS**

DOSE	MALE		
	2.5%ETH/0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/30PPMURE
Heart			
Bacterium			
<b>LESION RATES</b>			
OVERALL(a)	1/286 (0%)	0/143 (0%)	3/144 (2%)
POLY-3 RATE (b)	1/226.41	0/111.98	3/111.24
POLY-3 PERCENT (g)	0.4%	0%	2.7%
TERMINAL (d)	0/156 (0%)	0/71 (0%)	0/66 (0%)
FIRST INCIDENCE	668	---	421
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.064	P=0.640N	P=0.103
POLY 1.5	P=0.065	P=0.639N	P=0.105
POLY 6	P=0.063	P=0.643N	P=0.100
COCH-ARM / FISHERS	P=0.066	P=0.667N	P=0.111
MAX-ISO-POLY-3	P=0.038*	P=0.272N	P=0.061
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)  
 CAS Number: URETHCOMB

Date Report Requested: 10/24/2014  
 Time Report Requested: 03:40:56  
 First Dose M/F: NA / NA  
 Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
 LAST REMOVAL AT 110 WEEKS**

DOSE	MALE		
	2.5%ETH/0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/30PPMURE
<b>Heart</b>			
<b>Cardiomyopathy</b>			
<b>LESION RATES</b>			
OVERALL(a)	4/286 (1%)	2/143 (1%)	2/144 (1%)
POLY-3 RATE (b)	4/226.58	2/112.31	2/109.75
POLY-3 PERCENT (g)	1.8%	1.8%	1.8%
TERMINAL (d)	3/156 (2%)	0/71 (0%)	1/66 (2%)
FIRST INCIDENCE	607	684	671
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.573	P=0.665	P=0.655
POLY 1.5	P=0.579	P=0.667	P=0.662
POLY 6	P=0.562	P=0.658	P=0.645
COCH-ARM / FISHERS	P=0.582N	P=0.650	P=0.653
MAX-ISO-POLY-3	P=0.653	P=0.497	P=0.488
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)  
 CAS Number: URETHCOMB

Date Report Requested: 10/24/2014  
 Time Report Requested: 03:40:56  
 First Dose M/F: NA / NA  
 Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
 LAST REMOVAL AT 110 WEEKS**

DOSE	MALE		
	2.5%ETH/0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/30PPMURE
<b>Heart</b>			
<b>Mineralization</b>			
<b>LESION RATES</b>			
OVERALL(a)	5/286 (2%)	2/143 (1%)	3/144 (2%)
POLY-3 RATE (b)	5/227.68	2/112.41	3/109.62
POLY-3 PERCENT (g)	2.2%	1.8%	2.7%
TERMINAL (d)	0/156 (0%)	0/71 (0%)	2/66 (3%)
FIRST INCIDENCE	410	663	711
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.485	P=0.560N	P=0.530
POLY 1.5	P=0.493	P=0.556N	P=0.540
POLY 6	P=0.472	P=0.569N	P=0.516
COCH-ARM / FISHERS	P=0.503	P=0.571N	P=0.537
MAX-ISO-POLY-3	P=0.507	P=0.413N	P=0.398
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/24/2014

Time Report Requested: 03:40:56

First Dose M/F: NA / NA

Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
LAST REMOVAL AT 110 WEEKS**

DOSE	MALE		
	2.5%ETH/0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/30PPMURE
Heart			
Necrosis			
<b>LESION RATES</b>			
OVERALL(a)	3/286 (1%)	1/143 (1%)	1/144 (1%)
POLY-3 RATE (b)	3/226.59	1/112.46	1/109.42
POLY-3 PERCENT (g)	1.3%	0.9%	0.9%
TERMINAL (d)	1/156 (1%)	0/71 (0%)	1/66 (2%)
FIRST INCIDENCE	607	614	764(T)
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.460N	P=0.573N	P=0.583N
POLY 1.5	P=0.453N	P=0.571N	P=0.576N
POLY 6	P=0.470N	P=0.579N	P=0.593N
COCH-ARM / FISHERS	P=0.444N	P=0.593N	P=0.590N
MAX-ISO-POLY-3	P=0.527N	P=0.382N	P=0.391N
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/24/2014

Time Report Requested: 03:40:56

First Dose M/F: NA / NA

Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
LAST REMOVAL AT 110 WEEKS**

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DOSE	MALE		
	2.5%ETH/0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/30PPMURE
<hr/>			
Heart: Artery			
Inflammation Chronic			
<hr/>			
<b>LESION RATES</b>			
OVERALL(a)	2/286 (1%)	1/143 (1%)	1/144 (1%)
POLY-3 RATE (b)	2/226.08	1/111.98	1/109.42
POLY-3 PERCENT (g)	0.9%	0.9%	0.9%
TERMINAL (d)	2/156 (1%)	1/71 (1%)	1/66 (2%)
FIRST INCIDENCE	764(T)	764(T)	764(T)
<hr/>			
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.611	P=0.728	P=0.721
POLY 1.5	P=0.615	P=0.729	P=0.726
POLY 6	P=0.604	P=0.723	P=0.715
COCH-ARM / FISHERS	P=0.617N	P=0.705	P=0.707
MAX-ISO-POLY-3	P=0.657	P=0.498	P=0.491
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/24/2014

Time Report Requested: 03:40:56

First Dose M/F: NA / NA

Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
LAST REMOVAL AT 110 WEEKS**

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DOSE	MALE		
	2.5%ETH/0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/30PPMURE
<hr/>			
Heart: Atrium			
Thrombosis			
<hr/>			
<b>LESION RATES</b>			
OVERALL(a)	1/286 (0%)	0/143 (0%)	2/144 (1%)
POLY-3 RATE (b)	1/226.60	0/111.98	2/109.44
POLY-3 PERCENT (g)	0.4%	0%	1.8%
TERMINAL (d)	0/156 (0%)	0/71 (0%)	1/66 (2%)
FIRST INCIDENCE	600	---	760
<hr/>			
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.191	P=0.640N	P=0.260
POLY 1.5	P=0.192	P=0.639N	P=0.265
POLY 6	P=0.189	P=0.644N	P=0.254
COCH-ARM / FISHERS	P=0.193	P=0.667N	P=0.261
MAX-ISO-POLY-3	P=0.116	P=0.273N	P=0.142
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/24/2014

Time Report Requested: 03:40:56

First Dose M/F: NA / NA

Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
LAST REMOVAL AT 110 WEEKS**

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DOSE	MALE		
	2.5%ETH/0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/30PPMURE
<b>Heart: Endothelium</b>			
<b>Hyperplasia</b>			
<b>LESION RATES</b>			
OVERALL(a)	13/286 (5%)	14/143 (10%)	2/144 (1%)
POLY-3 RATE (b)	13/229.29	14/114.21	2/109.96
POLY-3 PERCENT (g)	5.7%	12.3%	1.8%
TERMINAL (d)	4/156 (3%)	5/71 (7%)	1/66 (2%)
FIRST INCIDENCE	510	614	593
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.269N	P=0.026*	P=0.093N
POLY 1.5	P=0.247N	P=0.027*	P=0.087N
POLY 6	P=0.301N	P=0.024*	P=0.102N
COCH-ARM / FISHERS	P=0.223N	P=0.031*	P=0.074N
MAX-ISO-POLY-3	P=0.046N*	P=0.032*	P=0.086N
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/24/2014

Time Report Requested: 03:40:56

First Dose M/F: NA / NA

Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
 LAST REMOVAL AT 110 WEEKS**

DOSE	MALE		
	2.5%ETH/0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/30PPMURE
<b>Heart: Epicardium</b>			
<b>Inflammation Acute</b>			
<b>LESION RATES</b>			
OVERALL(a)	0/286 (0%)	2/143 (1%)	1/144 (1%)
POLY-3 RATE (b)	0/226.08	2/112.46	1/109.42
POLY-3 PERCENT (g)	0%	1.8%	0.9%
TERMINAL (d)	0/156 (0%)	1/71 (1%)	1/66 (2%)
FIRST INCIDENCE	---	617	764(T)
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.183	P=0.104	P=0.356
POLY 1.5	P=0.187	P=0.104	P=0.359
POLY 6	P=0.177	P=0.102	P=0.352
COCH-ARM / FISHERS	P=0.193	P=0.111	P=0.335
MAX-ISO-POLY-3	P=0.157	P=0.041*	P=0.111
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/24/2014

Time Report Requested: 03:40:56

First Dose M/F: NA / NA

Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
LAST REMOVAL AT 110 WEEKS**

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DOSE	MALE		
	2.5%ETH/0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/30PPMURE
<hr/>			
Heart: Epicardium			
Inflammation Chronic			
<hr/>			
<b>LESION RATES</b>			
OVERALL(a)	1/286 (0%)	1/143 (1%)	0/144 (0%)
POLY-3 RATE (b)	1/226.08	1/111.98	0/109.42
POLY-3 PERCENT (g)	0.4%	0.9%	0%
TERMINAL (d)	1/156 (1%)	1/71 (1%)	0/66 (0%)
FIRST INCIDENCE	764(T)	764(T)	---
<hr/>			
<b>STATISTICAL TESTS</b>			
POLY 3	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/24/2014

Time Report Requested: 03:40:56

First Dose M/F: NA / NA

Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
LAST REMOVAL AT 110 WEEKS**

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DOSE	MALE		
	2.5%ETH/0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/30PPMURE
<b>Heart: Myocardium</b>			
<b>Inflammation</b>			
<b>LESION RATES</b>			
OVERALL(a)	0/286 (0%)	0/143 (0%)	0/144 (0%)
POLY-3 RATE (b)	0/226.08	0/111.98	0/109.42
POLY-3 PERCENT (g)	0%	0%	0%
TERMINAL (d)	0/156 (0%)	0/71 (0%)	0/66 (0%)
FIRST INCIDENCE	---	---	---
<b>STATISTICAL TESTS</b>			
POLY 3	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)  
 CAS Number: URETHCOMB

Date Report Requested: 10/24/2014  
 Time Report Requested: 03:40:56  
 First Dose M/F: NA / NA  
 Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
 LAST REMOVAL AT 110 WEEKS**

DOSE	MALE		
	2.5%ETH/0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/30PPMURE
<b>Heart: Myocardium</b>			
<b>Inflammation Acute</b>			
<b>LESION RATES</b>			
OVERALL(a)	3/286 (1%)	0/143 (0%)	0/144 (0%)
POLY-3 RATE (b)	3/226.44	0/111.98	0/109.42
POLY-3 PERCENT (g)	1.3%	0%	0%
TERMINAL (d)	1/156 (1%)	0/71 (0%)	0/66 (0%)
FIRST INCIDENCE	668	---	---
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.115N	P=0.272N	P=0.279N
POLY 1.5	P=0.113N	P=0.270N	P=0.274N
POLY 6	P=0.119N	P=0.277N	P=0.286N
COCH-ARM / FISHERS	P=0.110N	P=0.295N	P=0.293N
MAX-ISO-POLY-3	P=0.160N	P=0.147N	P=0.153N
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/24/2014

Time Report Requested: 03:40:56

First Dose M/F: NA / NA

Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
LAST REMOVAL AT 110 WEEKS**

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DOSE	MALE		
	2.5%ETH/0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/30PPMURE
<hr/>			
<b>Heart: Myocardium</b>			
<b>Inflammation Chronic</b>			
<hr/>			
<b>LESION RATES</b>			
OVERALL(a)	5/286 (2%)	4/143 (3%)	1/144 (1%)
POLY-3 RATE (b)	5/226.44	4/112.54	1/109.42
POLY-3 PERCENT (g)	2.2%	3.6%	0.9%
TERMINAL (d)	3/156 (2%)	2/71 (3%)	1/66 (2%)
FIRST INCIDENCE	703	684	764(T)
<hr/>			
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.373N	P=0.357	P=0.346N
POLY 1.5	P=0.362N	P=0.360	P=0.338N
POLY 6	P=0.390N	P=0.349	P=0.357N
COCH-ARM / FISHERS	P=0.347N	P=0.349	P=0.347N
MAX-ISO-POLY-3	P=0.273N	P=0.265	P=0.238N
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

---

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/24/2014

Time Report Requested: 03:40:56

First Dose M/F: NA / NA

Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
LAST REMOVAL AT 110 WEEKS**

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DOSE	MALE		
	2.5%ETH/0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/30PPMURE
<b>Heart: Myocardium</b>			
<b>Thrombosis</b>			
<b>LESION RATES</b>			
OVERALL(a)	0/286 (0%)	0/143 (0%)	0/144 (0%)
POLY-3 RATE (b)	0/226.08	0/111.98	0/109.42
POLY-3 PERCENT (g)	0%	0%	0%
TERMINAL (d)	0/156 (0%)	0/71 (0%)	0/66 (0%)
FIRST INCIDENCE	---	---	---
<b>STATISTICAL TESTS</b>			
POLY 3	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/24/2014

Time Report Requested: 03:40:57

First Dose M/F: NA / NA

Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
 LAST REMOVAL AT 110 WEEKS**

DOSE	MALE		
	2.5%ETH/0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/30PPMURE
<b>Heart: Parenchym Cell Hypertrophy</b>			
<b>LESION RATES</b>			
OVERALL(a)	7/286 (2%)	1/143 (1%)	4/144 (3%)
POLY-3 RATE (b)	7/226.72	1/111.98	4/109.96
POLY-3 PERCENT (g)	3.1%	0.9%	3.6%
TERMINAL (d)	4/156 (3%)	1/71 (1%)	3/66 (5%)
FIRST INCIDENCE	670	764(T)	593
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.560	P=0.192N	P=0.524
POLY 1.5	P=0.566	P=0.190N	P=0.534
POLY 6	P=0.549	P=0.200N	P=0.509
COCH-ARM / FISHERS	P=0.566N	P=0.193N	P=0.533
MAX-ISO-POLY-3	P=0.391	P=0.142N	P=0.410
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/24/2014

Time Report Requested: 03:40:57

First Dose M/F: NA / NA

Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
LAST REMOVAL AT 110 WEEKS**

DOSE	MALE		
	2.5%ETH/0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/30PPMURE
<b>Heart: Valve</b>			
<b>Inflammation Acute</b>			
<b>LESION RATES</b>			
OVERALL(a)	2/286 (1%)	1/143 (1%)	2/144 (1%)
POLY-3 RATE (b)	2/226.64	1/112.39	2/110.41
POLY-3 PERCENT (g)	0.9%	0.9%	1.8%
TERMINAL (d)	0/156 (0%)	0/71 (0%)	0/66 (0%)
FIRST INCIDENCE	668	642	517
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.337	P=0.728	P=0.420
POLY 1.5	P=0.341	P=0.730	P=0.425
POLY 6	P=0.331	P=0.724	P=0.412
COCH-ARM / FISHERS	P=0.345	P=0.705	P=0.410
MAX-ISO-POLY-3	P=0.360	P=0.498	P=0.264
<b>HISTCONT SAME RTE</b>			
<b>HISTCONT ALL RTES</b>			
<b>CURR VS HC SAME RTE</b>			
<b>CURR VS HC ALL RTES</b>			



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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/24/2014

Time Report Requested: 03:40:57

First Dose M/F: NA / NA

Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
LAST REMOVAL AT 110 WEEKS**

DOSE	MALE		
	2.5%ETH/0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/30PPMURE
<b>Heart: Valve</b>			
<b>Inflammation Chronic</b>			
<b>LESION RATES</b>			
OVERALL(a)	3/286 (1%)	1/143 (1%)	1/144 (1%)
POLY-3 RATE (b)	3/226.32	1/112.06	1/109.42
POLY-3 PERCENT (g)	1.3%	0.9%	0.9%
TERMINAL (d)	2/156 (1%)	0/71 (0%)	1/66 (2%)
FIRST INCIDENCE	696	744	764(T)
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.459N	P=0.574N	P=0.583N
POLY 1.5	P=0.453N	P=0.572N	P=0.576N
POLY 6	P=0.470N	P=0.581N	P=0.592N
COCH-ARM / FISHERS	P=0.444N	P=0.593N	P=0.590N
MAX-ISO-POLY-3	P=0.527N	P=0.383N	P=0.391N
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 Test Compound: Urethane + ethanol (combination)  
 CAS Number: URETHCOMB

Date Report Requested: 10/24/2014  
 Time Report Requested: 03:40:57  
 First Dose M/F: NA / NA  
 Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
 LAST REMOVAL AT 110 WEEKS**

DOSE	MALE		
	2.5%ETH/0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/30PPMURE
<b>Intestine Large: Cecum</b>			
<b>Autolysis</b>			
<b>LESION RATES</b>			
OVERALL(a)	0/238 (0%)	0/125 (0%)	0/120 (0%)
POLY-3 RATE (b)	0/205.86	0/102.00	0/95.57
POLY-3 PERCENT (g)	0%	0%	0%
TERMINAL (d)	0/156 (0%)	0/71 (0%)	0/63 (0%)
FIRST INCIDENCE	---	---	---
<b>STATISTICAL TESTS</b>			
POLY 3	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)  
 CAS Number: URETHCOMB

Date Report Requested: 10/24/2014  
 Time Report Requested: 03:40:57  
 First Dose M/F: NA / NA  
 Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
 LAST REMOVAL AT 110 WEEKS**

DOSE	MALE		
	2.5%ETH/0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/30PPMURE
<b>Intestine Large: Cecum, Lymphoid Tiss</b>			
<b>Hyperplasia</b>			
<b>LESION RATES</b>			
OVERALL(a)	0/273 (0%)	0/138 (0%)	2/133 (2%)
POLY-3 RATE (b)	0/219.96	0/108.31	2/102.52
POLY-3 PERCENT (g)	0%	0%	2%
TERMINAL (d)	0/154 (0%)	0/69 (0%)	2/64 (3%)
FIRST INCIDENCE	---	---	764(T)
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.041*	(e)	P=0.095
POLY 1.5	P=0.041*	(e)	P=0.097
POLY 6	P=0.040*	(e)	P=0.093
COCH-ARM / FISHERS	P=0.042*	(e)	P=0.107
MAX-ISO-POLY-3	P=0.027*	(e)	P=0.040*
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/24/2014

Time Report Requested: 03:40:57

First Dose M/F: NA / NA

Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
LAST REMOVAL AT 110 WEEKS**

---

DOSE	MALE		
	2.5%ETH/0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/30PPMURE
<hr/>			
Intestine Large: Colon			
Autolysis			
<hr/>			
<b>LESION RATES</b>			
OVERALL(a)	0/258 (0%)	0/132 (0%)	0/131 (0%)
POLY-3 RATE (b)	0/212.37	0/106.51	0/104.53
POLY-3 PERCENT (g)	0%	0%	0%
TERMINAL (d)	0/156 (0%)	0/71 (0%)	0/66 (0%)
FIRST INCIDENCE	---	---	---
<hr/>			
<b>STATISTICAL TESTS</b>			
POLY 3	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

---

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 Test Compound: Urethane + ethanol (combination)  
 CAS Number: URETHCOMB

Date Report Requested: 10/24/2014  
 Time Report Requested: 03:40:57  
 First Dose M/F: NA / NA  
 Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
 LAST REMOVAL AT 110 WEEKS**

DOSE	MALE		
	2.5%ETH/0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/30PPMURE
<b>Intestine Large: Colon</b>			
<b>Inflammation Chronic</b>			
<b>LESION RATES</b>			
OVERALL(a)	0/258 (0%)	0/132 (0%)	0/131 (0%)
POLY-3 RATE (b)	0/212.37	0/106.51	0/104.53
POLY-3 PERCENT (g)	0%	0%	0%
TERMINAL (d)	0/156 (0%)	0/71 (0%)	0/66 (0%)
FIRST INCIDENCE	---	---	---
<b>STATISTICAL TESTS</b>			
POLY 3	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/24/2014

Time Report Requested: 03:40:57

First Dose M/F: NA / NA

Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
LAST REMOVAL AT 110 WEEKS**

---

DOSE	MALE		
	2.5%ETH/0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/30PPMURE
<b>Intestine Large: Colon, Lymphoid Tiss</b>			
<b>Hyperplasia</b>			
<b>LESION RATES</b>			
OVERALL(a)	0/273 (0%)	1/138 (1%)	0/133 (0%)
POLY-3 RATE (b)	0/219.96	1/108.50	0/102.52
POLY-3 PERCENT (g)	0%	0.9%	0%
TERMINAL (d)	0/154 (0%)	0/69 (0%)	0/64 (0%)
FIRST INCIDENCE	---	710	---
<b>STATISTICAL TESTS</b>			
POLY 3	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/24/2014

Time Report Requested: 03:40:57

First Dose M/F: NA / NA

Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
LAST REMOVAL AT 110 WEEKS**

---

DOSE	MALE		
	2.5%ETH/0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/30PPMURE
<hr/>			
Intestine Large: Rectum			
Autolysis			
<hr/>			
<b>LESION RATES</b>			
OVERALL(a)	0/273 (0%)	0/140 (0%)	0/140 (0%)
POLY-3 RATE (b)	0/218.39	0/111.24	0/106.85
POLY-3 PERCENT (g)	0%	0%	0%
TERMINAL (d)	0/152 (0%)	0/71 (0%)	0/65 (0%)
FIRST INCIDENCE	---	---	---
<hr/>			
<b>STATISTICAL TESTS</b>			
POLY 3	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/24/2014

Time Report Requested: 03:40:57

First Dose M/F: NA / NA

Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
LAST REMOVAL AT 110 WEEKS**

DOSE	MALE		
	2.5%ETH/0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/30PPMURE
<b>Intestine Large: Rectum</b>			
<b>Inflammation Chronic</b>			
<b>LESION RATES</b>			
OVERALL(a)	4/273 (1%)	0/140 (0%)	2/140 (1%)
POLY-3 RATE (b)	4/221.30	0/111.24	2/107.88
POLY-3 PERCENT (g)	1.8%	0%	1.9%
TERMINAL (d)	0/152 (0%)	0/71 (0%)	0/65 (0%)
FIRST INCIDENCE	443	---	507
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.504N	P=0.186N	P=0.657
POLY 1.5	P=0.497N	P=0.184N	P=0.665
POLY 6	P=0.512N	P=0.193N	P=0.647
COCH-ARM / FISHERS	P=0.489N	P=0.189N	P=0.662
MAX-ISO-POLY-3	P=0.401N	P=0.110N	P=0.490
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			



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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
Test Compound: Urethane + ethanol (combination)  
CAS Number: URETHCOMB

Date Report Requested: 10/24/2014  
Time Report Requested: 03:40:57  
First Dose M/F: NA / NA  
Lab: NCTR

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
LAST REMOVAL AT 110 WEEKS

---

DOSE	MALE		
	2.5%ETH/0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/30PPMURE
<hr/>			
Intestine Small: Duodenum			
Autolysis			
<hr/>			
LESION RATES			
OVERALL(a)	0/223 (0%)	0/124 (0%)	0/117 (0%)
POLY-3 RATE (b)	0/196.30	0/103.46	0/96.15
POLY-3 PERCENT (g)	0%	0%	0%
TERMINAL (d)	0/152 (0%)	0/71 (0%)	0/64 (0%)
FIRST INCIDENCE	---	---	---
<hr/>			
STATISTICAL TESTS			
POLY 3	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
Test Compound: Urethane + ethanol (combination)  
CAS Number: URETHCOMB

Date Report Requested: 10/24/2014  
Time Report Requested: 03:40:57  
First Dose M/F: NA / NA  
Lab: NCTR

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
LAST REMOVAL AT 110 WEEKS

---

DOSE	MALE		
	2.5%ETH/0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/30PPMURE
<hr/>			
Intestine Small: Ileum			
Autolysis			
<hr/>			
LESION RATES			
OVERALL(a)	0/219 (0%)	0/123 (0%)	0/118 (0%)
POLY-3 RATE (b)	0/194.20	0/101.54	0/96.07
POLY-3 PERCENT (g)	0%	0%	0%
TERMINAL (d)	0/153 (0%)	0/70 (0%)	0/65 (0%)
FIRST INCIDENCE	---	---	---
<hr/>			
STATISTICAL TESTS			
POLY 3	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/24/2014

Time Report Requested: 03:40:57

First Dose M/F: NA / NA

Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
 LAST REMOVAL AT 110 WEEKS**

DOSE	MALE		
	2.5%ETH/0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/30PPMURE
<b>Intestine Small: Ileum</b>			
<b>Inflammation Chronic</b>			
<b>LESION RATES</b>			
OVERALL(a)	3/219 (1%)	0/123 (0%)	0/118 (0%)
POLY-3 RATE (b)	3/194.20	0/101.54	0/96.07
POLY-3 PERCENT (g)	1.5%	0%	0%
TERMINAL (d)	3/153 (2%)	0/70 (0%)	0/65 (0%)
FIRST INCIDENCE	764(T)	---	---
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.110N	P=0.261N	P=0.275N
POLY 1.5	P=0.106N	P=0.256N	P=0.268N
POLY 6	P=0.114N	P=0.268N	P=0.282N
COCH-ARM / FISHERS	P=0.099N	P=0.261N	P=0.273N
MAX-ISO-POLY-3	P=0.152N	P=0.143N	P=0.153N
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/24/2014

Time Report Requested: 03:40:57

First Dose M/F: NA / NA

Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
LAST REMOVAL AT 110 WEEKS**

---

DOSE	MALE		
	2.5%ETH/0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/30PPMURE
<b>Intestine Small: Ileum, Lymphoid Tiss</b>			
<b>Hyperplasia</b>			
<b>LESION RATES</b>			
OVERALL(a)	0/224 (0%)	1/118 (1%)	0/114 (0%)
POLY-3 RATE (b)	0/193.01	1/96.07	0/92.26
POLY-3 PERCENT (g)	0%	1%	0%
TERMINAL (d)	0/145 (0%)	1/65 (2%)	0/62 (0%)
FIRST INCIDENCE	---	764(T)	---
<b>STATISTICAL TESTS</b>			
POLY 3	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

---

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/24/2014

Time Report Requested: 03:40:57

First Dose M/F: NA / NA

Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
LAST REMOVAL AT 110 WEEKS**

---

DOSE	MALE		
	2.5%ETH/0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/30PPMURE
<hr/>			
Intestine Small: Jejunum			
Autolysis			
<hr/>			
<b>LESION RATES</b>			
OVERALL(a)	0/226 (0%)	0/119 (0%)	0/120 (0%)
POLY-3 RATE (b)	0/197.99	0/100.50	0/96.87
POLY-3 PERCENT (g)	0%	0%	0%
TERMINAL (d)	0/154 (0%)	0/71 (0%)	0/65 (0%)
FIRST INCIDENCE	---	---	---
<hr/>			
<b>STATISTICAL TESTS</b>			
POLY 3	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

---

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Test Compound: Urethane + ethanol (combination)  
 CAS Number: URETHCOMB

Date Report Requested: 10/24/2014  
 Time Report Requested: 03:40:57  
 First Dose M/F: NA / NA  
 Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
 LAST REMOVAL AT 110 WEEKS**

DOSE	MALE		
	2.5%ETH/0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/30PPMURE
<b>Intestine Small: Jejunum, Lymphoid Tiss</b>			
<b>Hyperplasia</b>			
<b>LESION RATES</b>			
OVERALL(a)	0/224 (0%)	0/118 (0%)	0/114 (0%)
POLY-3 RATE (b)	0/193.01	0/96.07	0/92.26
POLY-3 PERCENT (g)	0%	0%	0%
TERMINAL (d)	0/145 (0%)	0/65 (0%)	0/62 (0%)
FIRST INCIDENCE	---	---	---
<b>STATISTICAL TESTS</b>			
POLY 3	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 Test Compound: Urethane + ethanol (combination)  
 CAS Number: URETHCOMB

Date Report Requested: 10/24/2014  
 Time Report Requested: 03:40:57  
 First Dose M/F: NA / NA  
 Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
 LAST REMOVAL AT 110 WEEKS**

DOSE	MALE		
	2.5%ETH/0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/30PPMURE
<b>Islets, Pancreatic</b>			
<b>Autolysis</b>			
<b>LESION RATES</b>			
OVERALL(a)	0/270 (0%)	0/137 (0%)	0/136 (0%)
POLY-3 RATE (b)	0/220.13	0/109.01	0/106.34
POLY-3 PERCENT (g)	0%	0%	0%
TERMINAL (d)	0/156 (0%)	0/71 (0%)	0/66 (0%)
FIRST INCIDENCE	---	---	---
<b>STATISTICAL TESTS</b>			
POLY 3	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/24/2014

Time Report Requested: 03:40:57

First Dose M/F: NA / NA

Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
LAST REMOVAL AT 110 WEEKS**

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DOSE	MALE		
	2.5%ETH/0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/30PPMURE
<b>Islets, Pancreatic Hyperplasia</b>			
<b>LESION RATES</b>			
OVERALL(a)	13/270 (5%)	8/137 (6%)	7/136 (5%)
POLY-3 RATE (b)	13/222.04	8/110.06	7/107.80
POLY-3 PERCENT (g)	5.9%	7.3%	6.5%
TERMINAL (d)	8/156 (5%)	4/71 (6%)	3/66 (5%)
FIRST INCIDENCE	536	622	570
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.427	P=0.398	P=0.507
POLY 1.5	P=0.440	P=0.406	P=0.519
POLY 6	P=0.411	P=0.384	P=0.493
COCH-ARM / FISHERS	P=0.462	P=0.410	P=0.529
MAX-ISO-POLY-3	P=0.520	P=0.334	P=0.423
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
**Test Compound:** Urethane + ethanol (combination)  
**CAS Number:** URETHCOMB

**Date Report Requested:** 10/24/2014  
**Time Report Requested:** 03:40:57  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)**  
**LAST REMOVAL AT 110 WEEKS**

DOSE	MALE		
	2.5%ETH/0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/30PPMURE
<b>Islets, Pancreatic</b>			
<b>Infiltration Cellular Lymphocytic</b>			
<b>LESION RATES</b>			
<b>OVERALL(a)</b>	1/270 (0%)	1/137 (1%)	0/136 (0%)
<b>POLY-3 RATE (b)</b>	1/220.13	1/109.28	0/106.34
<b>POLY-3 PERCENT (g)</b>	0.5%	0.9%	0%
<b>TERMINAL (d)</b>	1/156 (1%)	0/71 (0%)	0/66 (0%)
<b>FIRST INCIDENCE</b>	764(T)	690	---
<b>STATISTICAL TESTS</b>			
<b>POLY 3</b>	(n)	(n)	(n)
<b>POLY 1.5</b>	(n)	(n)	(n)
<b>POLY 6</b>	(n)	(n)	(n)
<b>COCH-ARM / FISHERS</b>	(n)	(n)	(n)
<b>MAX-ISO-POLY-3</b>	(n)	(n)	(n)
<b>HISTCONT SAME RTE</b>			
<b>HISTCONT ALL RTES</b>			
<b>CURR VS HC SAME RTE</b>			
<b>CURR VS HC ALL RTES</b>			

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
Test Compound: Urethane + ethanol (combination)  
CAS Number: URETHCOMB

Date Report Requested: 10/24/2014  
Time Report Requested: 03:40:57  
First Dose M/F: NA / NA  
Lab: NCTR

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
LAST REMOVAL AT 110 WEEKS

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DOSE	MALE		
	2.5%ETH/0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/30PPMURE
<b>Kidney</b>			
<b>Accumulation Hyaline Droplet</b>			
<b>LESION RATES</b>			
OVERALL(a)	0/280 (0%)	0/142 (0%)	0/143 (0%)
POLY-3 RATE (b)	0/224.52	0/111.49	0/109.37
POLY-3 PERCENT (g)	0%	0%	0%
TERMINAL (d)	0/156 (0%)	0/71 (0%)	0/66 (0%)
FIRST INCIDENCE	---	---	---
<b>STATISTICAL TESTS</b>			
POLY 3	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)  
 CAS Number: URETHCOMB

Date Report Requested: 10/24/2014  
 Time Report Requested: 03:40:57  
 First Dose M/F: NA / NA  
 Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
 LAST REMOVAL AT 110 WEEKS**

DOSE	MALE		
	2.5%ETH/0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/30PPMURE
<b>Kidney</b>			
<b>Amyloid Deposition</b>			
<b>LESION RATES</b>			
OVERALL(a)	13/280 (5%)	6/142 (4%)	8/143 (6%)
POLY-3 RATE (b)	13/224.52	6/112.16	8/109.37
POLY-3 PERCENT (g)	5.8%	5.3%	7.3%
TERMINAL (d)	13/156 (8%)	5/71 (7%)	8/66 (12%)
FIRST INCIDENCE	764(T)	523	764(T)
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.366	P=0.534N	P=0.383
POLY 1.5	P=0.381	P=0.528N	P=0.401
POLY 6	P=0.344	P=0.548N	P=0.360
COCH-ARM / FISHERS	P=0.402	P=0.531N	P=0.416
MAX-ISO-POLY-3	P=0.423	P=0.443N	P=0.323
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/24/2014

Time Report Requested: 03:40:57

First Dose M/F: NA / NA

Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
LAST REMOVAL AT 110 WEEKS**

---

DOSE	MALE		
	2.5%ETH/0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/30PPMURE
Kidney			
Autolysis			
<b>LESION RATES</b>			
OVERALL(a)	0/280 (0%)	0/142 (0%)	0/143 (0%)
POLY-3 RATE (b)	0/224.52	0/111.49	0/109.37
POLY-3 PERCENT (g)	0%	0%	0%
TERMINAL (d)	0/156 (0%)	0/71 (0%)	0/66 (0%)
FIRST INCIDENCE	---	---	---
<b>STATISTICAL TESTS</b>			
POLY 3	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)  
 CAS Number: URETHCOMB

Date Report Requested: 10/24/2014  
 Time Report Requested: 03:40:57  
 First Dose M/F: NA / NA  
 Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
 LAST REMOVAL AT 110 WEEKS**

DOSE	MALE		
	2.5%ETH/0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/30PPMURE
<b>Kidney</b>			
<b>Casts</b>			
<b>LESION RATES</b>			
OVERALL(a)	0/280 (0%)	0/142 (0%)	0/143 (0%)
POLY-3 RATE (b)	0/224.52	0/111.49	0/109.37
POLY-3 PERCENT (g)	0%	0%	0%
TERMINAL (d)	0/156 (0%)	0/71 (0%)	0/66 (0%)
FIRST INCIDENCE	---	---	---
<b>STATISTICAL TESTS</b>			
POLY 3	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 Test Compound: Urethane + ethanol (combination)  
 CAS Number: URETHCOMB

Date Report Requested: 10/24/2014  
 Time Report Requested: 03:40:57  
 First Dose M/F: NA / NA  
 Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
 LAST REMOVAL AT 110 WEEKS**

DOSE	MALE		
	2.5%ETH/0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/30PPMURE
<b>Kidney</b>			
<b>Cyst</b>			
<b>LESION RATES</b>			
OVERALL(a)	27/280 (10%)	11/142 (8%)	11/143 (8%)
POLY-3 RATE (b)	27/226.17	11/112.18	11/110.36
POLY-3 PERCENT (g)	11.9%	9.8%	10%
TERMINAL (d)	22/156 (14%)	8/71 (11%)	6/66 (9%)
FIRST INCIDENCE	599	640	577
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.300N	P=0.344N	P=0.363N
POLY 1.5	P=0.282N	P=0.334N	P=0.342N
POLY 6	P=0.328N	P=0.365N	P=0.392N
COCH-ARM / FISHERS	P=0.257N	P=0.327N	P=0.319N
MAX-ISO-POLY-3	P=0.417N	P=0.307N	P=0.324N
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 Test Compound: Urethane + ethanol (combination)  
 CAS Number: URETHCOMB

Date Report Requested: 10/24/2014  
 Time Report Requested: 03:40:57  
 First Dose M/F: NA / NA  
 Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
 LAST REMOVAL AT 110 WEEKS**

DOSE	MALE		
	2.5%ETH/0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/30PPMURE
<b>Kidney</b>			
<b>Glomerulosclerosis</b>			
<b>LESION RATES</b>			
OVERALL(a)	206/280 (74%)	100/142 (70%)	96/143 (67%)
POLY-3 RATE (b)	206/243.60	100/123.65	96/120.64
POLY-3 PERCENT (g)	84.6%	80.9%	79.6%
TERMINAL (d)	138/156 (88%)	62/71 (87%)	56/66 (85%)
FIRST INCIDENCE	464	426	467
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.097N	P=0.204N	P=0.125N
POLY 1.5	P=0.086N	P=0.230N	P=0.105N
POLY 6	P=0.122N	P=0.210N	P=0.160N
COCH-ARM / FISHERS	P=0.089N	P=0.283N	P=0.102N
MAX-ISO-POLY-3	P=0.134N	P=0.195N	P=0.130N
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)  
 CAS Number: URETHCOMB

Date Report Requested: 10/24/2014  
 Time Report Requested: 03:40:57  
 First Dose M/F: NA / NA  
 Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
 LAST REMOVAL AT 110 WEEKS**

DOSE	MALE		
	2.5%ETH/0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/30PPMURE
<b>Kidney</b>			
<b>Hydronephrosis</b>			
<b>LESION RATES</b>			
OVERALL(a)	0/280 (0%)	0/142 (0%)	0/143 (0%)
POLY-3 RATE (b)	0/224.52	0/111.49	0/109.37
POLY-3 PERCENT (g)	0%	0%	0%
TERMINAL (d)	0/156 (0%)	0/71 (0%)	0/66 (0%)
FIRST INCIDENCE	---	---	---
<b>STATISTICAL TESTS</b>			
POLY 3	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			



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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)  
 CAS Number: URETHCOMB

Date Report Requested: 10/24/2014  
 Time Report Requested: 03:40:57  
 First Dose M/F: NA / NA  
 Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
 LAST REMOVAL AT 110 WEEKS**

DOSE	MALE		
	2.5%ETH/0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/30PPMURE
Kidney			
Infarct			
<b>LESION RATES</b>			
OVERALL(a)	0/280 (0%)	0/142 (0%)	3/143 (2%)
POLY-3 RATE (b)	0/224.52	0/111.49	3/110.07
POLY-3 PERCENT (g)	0%	0%	2.7%
TERMINAL (d)	0/156 (0%)	0/71 (0%)	2/66 (3%)
FIRST INCIDENCE	---	---	507
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.012*	(e)	P=0.031*
POLY 1.5	P=0.012*	(e)	P=0.032*
POLY 6	P=0.011*	(e)	P=0.030*
COCH-ARM / FISHERS	P=0.012*	(e)	P=0.038*
MAX-ISO-POLY-3	P=0.008**	(e)	P=0.017*
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/24/2014

Time Report Requested: 03:40:57

First Dose M/F: NA / NA

Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
 LAST REMOVAL AT 110 WEEKS**

DOSE	MALE		
	2.5%ETH/0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/30PPMURE
<b>Kidney</b>			
<b>Infiltration Cellular</b>			
<b>LESION RATES</b>			
OVERALL(a)	0/280 (0%)	0/142 (0%)	0/143 (0%)
POLY-3 RATE (b)	0/224.52	0/111.49	0/109.37
POLY-3 PERCENT (g)	0%	0%	0%
TERMINAL (d)	0/156 (0%)	0/71 (0%)	0/66 (0%)
FIRST INCIDENCE	---	---	---
<b>STATISTICAL TESTS</b>			
POLY 3	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/24/2014

Time Report Requested: 03:40:57

First Dose M/F: NA / NA

Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
 LAST REMOVAL AT 110 WEEKS**

DOSE	MALE		
	2.5%ETH/0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/30PPMURE
<b>Kidney</b>			
<b>Infiltration Cellular Lymphocytic</b>			
<b>LESION RATES</b>			
OVERALL(a)	131/280 (47%)	61/142 (43%)	67/143 (47%)
POLY-3 RATE (b)	131/236.03	61/117.79	67/117.62
POLY-3 PERCENT (g)	55.5%	51.8%	57%
TERMINAL (d)	100/156 (64%)	41/71 (58%)	42/66 (64%)
FIRST INCIDENCE	453	426	467
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.477	P=0.286N	P=0.439
POLY 1.5	P=0.510	P=0.277N	P=0.474
POLY 6	P=0.445	P=0.298N	P=0.408
COCH-ARM / FISHERS	P=0.472N	P=0.260N	P=0.536
MAX-ISO-POLY-3	P=0.462	P=0.277N	P=0.407
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/24/2014

Time Report Requested: 03:40:57

First Dose M/F: NA / NA

Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
LAST REMOVAL AT 110 WEEKS**

DOSE	MALE		
	2.5%ETH/0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/30PPMURE
<b>Kidney</b>			
<b>Inflammation Chronic</b>			
<b>LESION RATES</b>			
OVERALL(a)	3/280 (1%)	1/142 (1%)	3/143 (2%)
POLY-3 RATE (b)	3/225.27	1/111.49	3/109.85
POLY-3 PERCENT (g)	1.3%	0.9%	2.7%
TERMINAL (d)	2/156 (1%)	1/71 (1%)	2/66 (3%)
FIRST INCIDENCE	483	764(T)	614
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.279	P=0.574N	P=0.321
POLY 1.5	P=0.284	P=0.570N	P=0.329
POLY 6	P=0.271	P=0.582N	P=0.311
COCH-ARM / FISHERS	P=0.292	P=0.587N	P=0.328
MAX-ISO-POLY-3	P=0.255	P=0.383N	P=0.221
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/24/2014

Time Report Requested: 03:40:57

First Dose M/F: NA / NA

Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
 LAST REMOVAL AT 110 WEEKS**

DOSE	MALE		
	2.5%ETH/0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/30PPMURE
<b>Kidney</b>			
<b>Metaplasia Osseous</b>			
<b>LESION RATES</b>			
OVERALL(a)	1/280 (0%)	0/142 (0%)	1/143 (1%)
POLY-3 RATE (b)	1/224.52	0/111.49	1/109.59
POLY-3 PERCENT (g)	0.4%	0%	0.9%
TERMINAL (d)	1/156 (1%)	0/71 (0%)	0/66 (0%)
FIRST INCIDENCE	764(T)	---	701
<b>STATISTICAL TESTS</b>			
POLY 3	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/24/2014

Time Report Requested: 03:40:57

First Dose M/F: NA / NA

Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
LAST REMOVAL AT 110 WEEKS**

DOSE	MALE		
	2.5%ETH/0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/30PPMURE
<b>Kidney</b>			
<b>Mineralization</b>			
<b>LESION RATES</b>			
OVERALL(a)	38/280 (14%)	19/142 (13%)	15/143 (10%)
POLY-3 RATE (b)	38/227.89	19/117.59	15/111.91
POLY-3 PERCENT (g)	16.7%	16.2%	13.4%
TERMINAL (d)	28/156 (18%)	8/71 (11%)	9/66 (14%)
FIRST INCIDENCE	141	154	384
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.257N	P=0.512N	P=0.267N
POLY 1.5	P=0.241N	P=0.517N	P=0.250N
POLY 6	P=0.282N	P=0.520N	P=0.293N
COCH-ARM / FISHERS	P=0.222N	P=0.577	P=0.228N
MAX-ISO-POLY-3	P=0.353N	P=0.457N	P=0.251N
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/24/2014

Time Report Requested: 03:40:57

First Dose M/F: NA / NA

Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
LAST REMOVAL AT 110 WEEKS**

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DOSE	MALE		
	2.5%ETH/0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/30PPMURE
<hr/>			
Kidney			
Nephropathy			
<hr/>			
<b>LESION RATES</b>			
OVERALL(a)	1/280 (0%)	1/142 (1%)	0/143 (0%)
POLY-3 RATE (b)	1/225.52	1/112.28	0/109.37
POLY-3 PERCENT (g)	0.4%	0.9%	0%
TERMINAL (d)	0/156 (0%)	0/71 (0%)	0/66 (0%)
FIRST INCIDENCE	111	453	---
<hr/>			
<b>STATISTICAL TESTS</b>			
POLY 3	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)
HISTCONT SAME RTE			
HISTCONT ALL RTEs			
CURR VS HC SAME RTE			
CURR VS HC ALL RTEs			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/24/2014

Time Report Requested: 03:40:57

First Dose M/F: NA / NA

Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
LAST REMOVAL AT 110 WEEKS**

DOSE	MALE		
	2.5%ETH/0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/30PPMURE
<b>Kidney: Papilla</b>			
<b>Necrosis</b>			
<b>LESION RATES</b>			
OVERALL(a)	1/280 (0%)	2/142 (1%)	0/143 (0%)
POLY-3 RATE (b)	1/225.50	2/112.04	0/109.37
POLY-3 PERCENT (g)	0.4%	1.8%	0%
TERMINAL (d)	0/156 (0%)	0/71 (0%)	0/66 (0%)
FIRST INCIDENCE	224	617	---
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.590N	P=0.268	P=0.643N
POLY 1.5	P=0.579N	P=0.270	P=0.639N
POLY 6	P=0.604N	P=0.264	P=0.648N
COCH-ARM / FISHERS	P=0.563N	P=0.263	P=0.662N
MAX-ISO-POLY-3	P=0.300N	P=0.145	P=0.278N
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			



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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)  
 CAS Number: URETHCOMB

Date Report Requested: 10/24/2014  
 Time Report Requested: 03:40:57  
 First Dose M/F: NA / NA  
 Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
 LAST REMOVAL AT 110 WEEKS**

DOSE	MALE		
	2.5%ETH/0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/30PPMURE
<b>Kidney: Pelvis</b>			
<b>Dilatation</b>			
<b>LESION RATES</b>			
OVERALL(a)	3/280 (1%)	5/142 (4%)	3/143 (2%)
POLY-3 RATE (b)	3/226.50	5/114.62	3/109.89
POLY-3 PERCENT (g)	1.3%	4.4%	2.7%
TERMINAL (d)	1/156 (1%)	1/71 (1%)	1/66 (2%)
FIRST INCIDENCE	123	114	614
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.189	P=0.085	P=0.319
POLY 1.5	P=0.198	P=0.086	P=0.327
POLY 6	P=0.178	P=0.082	P=0.309
COCH-ARM / FISHERS	P=0.213	P=0.089	P=0.328
MAX-ISO-POLY-3	P=0.202	P=0.064	P=0.220
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)  
 CAS Number: URETHCOMB

Date Report Requested: 10/24/2014  
 Time Report Requested: 03:40:57  
 First Dose M/F: NA / NA  
 Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
 LAST REMOVAL AT 110 WEEKS**

DOSE	MALE		
	2.5%ETH/0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/30PPMURE
<b>Kidney: Pelvis</b>			
<b>Inflammation Acute</b>			
<b>LESION RATES</b>			
OVERALL(a)	7/280 (2%)	2/142 (1%)	1/143 (1%)
POLY-3 RATE (b)	7/230.30	2/113.42	1/110.07
POLY-3 PERCENT (g)	3%	1.8%	0.9%
TERMINAL (d)	0/156 (0%)	0/71 (0%)	0/66 (0%)
FIRST INCIDENCE	123	123	507
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.137N	P=0.369N	P=0.205N
POLY 1.5	P=0.130N	P=0.362N	P=0.197N
POLY 6	P=0.146N	P=0.380N	P=0.216N
COCH-ARM / FISHERS	P=0.119N	P=0.367N	P=0.185N
MAX-ISO-POLY-3	P=0.191N	P=0.276N	P=0.154N
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/24/2014

Time Report Requested: 03:40:57

First Dose M/F: NA / NA

Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
LAST REMOVAL AT 110 WEEKS**

DOSE	MALE		
	2.5%ETH/0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/30PPMURE
<b>Kidney: Pelvis</b>			
<b>Inflammation Chronic</b>			
<b>LESION RATES</b>			
OVERALL(a)	3/280 (1%)	4/142 (3%)	2/143 (1%)
POLY-3 RATE (b)	3/224.80	4/113.31	2/109.85
POLY-3 PERCENT (g)	1.3%	3.5%	1.8%
TERMINAL (d)	1/156 (1%)	1/71 (1%)	1/66 (2%)
FIRST INCIDENCE	707	382	614
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.367	P=0.175	P=0.553
POLY 1.5	P=0.377	P=0.177	P=0.561
POLY 6	P=0.353	P=0.170	P=0.543
COCH-ARM / FISHERS	P=0.391	P=0.176	P=0.549
MAX-ISO-POLY-3	P=0.336	P=0.124	P=0.385
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)  
 CAS Number: URETHCOMB

Date Report Requested: 10/24/2014  
 Time Report Requested: 03:40:57  
 First Dose M/F: NA / NA  
 Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
 LAST REMOVAL AT 110 WEEKS**

DOSE	MALE		
	2.5%ETH/0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/30PPMURE
<b>Kidney: Renal Tubule</b>			
<b>Accumulation Hyaline Droplet</b>			
<b>LESION RATES</b>			
OVERALL(a)	1/280 (0%)	1/142 (1%)	4/143 (3%)
POLY-3 RATE (b)	1/224.52	1/111.67	4/110.78
POLY-3 PERCENT (g)	0.4%	0.9%	3.6%
TERMINAL (d)	1/156 (1%)	0/71 (0%)	1/66 (2%)
FIRST INCIDENCE	764(T)	713	570
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.023*	P=0.597	P=0.039*
POLY 1.5	P=0.024*	P=0.599	P=0.040*
POLY 6	P=0.023*	P=0.593	P=0.037*
COCH-ARM / FISHERS	P=0.025*	P=0.560	P=0.047*
MAX-ISO-POLY-3	P=0.027*	P=0.332	P=0.027*
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/24/2014

Time Report Requested: 03:40:57

First Dose M/F: NA / NA

Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
LAST REMOVAL AT 110 WEEKS**

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DOSE	MALE		
	2.5%ETH/0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/30PPMURE
<hr/>			
Kidney: Renal Tubule Degeneration			
<hr/>			
<b>LESION RATES</b>			
OVERALL(a)	93/280 (33%)	36/142 (25%)	39/143 (27%)
POLY-3 RATE (b)	93/229.69	36/113.82	39/112.16
POLY-3 PERCENT (g)	40.5%	31.6%	34.8%
TERMINAL (d)	79/156 (51%)	28/71 (39%)	30/66 (45%)
FIRST INCIDENCE	464	514	517
<hr/>			
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.109N	P=0.066N	P=0.180N
POLY 1.5	P=0.094N	P=0.062N	P=0.155N
POLY 6	P=0.135N	P=0.075N	P=0.217N
COCH-ARM / FISHERS	P=0.079N	P=0.060N	P=0.128N
MAX-ISO-POLY-3	P=0.151N	P=0.080N	P=0.188N
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/24/2014

Time Report Requested: 03:40:57

First Dose M/F: NA / NA

Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
LAST REMOVAL AT 110 WEEKS**

DOSE	MALE		
	2.5%ETH/0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/30PPMURE
<b>Kidney: Renal Tubule Hyperplasia Focal</b>			
<b>LESION RATES</b>			
OVERALL(a)	10/280 (4%)	6/142 (4%)	3/143 (2%)
POLY-3 RATE (b)	10/225.92	6/111.49	3/110.12
POLY-3 PERCENT (g)	4.4%	5.4%	2.7%
TERMINAL (d)	7/156 (4%)	6/71 (8%)	2/66 (3%)
FIRST INCIDENCE	493	764(T)	478
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.332N	P=0.454	P=0.325N
POLY 1.5	P=0.317N	P=0.463	P=0.313N
POLY 6	P=0.354N	P=0.437	P=0.342N
COCH-ARM / FISHERS	P=0.297N	P=0.464	P=0.306N
MAX-ISO-POLY-3	P=0.324N	P=0.370	P=0.259N
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/24/2014

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First Dose M/F: NA / NA

Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
LAST REMOVAL AT 110 WEEKS**

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DOSE	MALE		
	2.5%ETH/0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/30PPMURE
Lacrimal Gland			
Atrophy			
<b>LESION RATES</b>			
OVERALL(a)	43/280 (15%)	32/138 (23%)	28/142 (20%)
POLY-3 RATE (b)	43/226.31	32/111.15	28/111.99
POLY-3 PERCENT (g)	19%	28.8%	25%
TERMINAL (d)	30/155 (19%)	21/69 (30%)	14/66 (21%)
FIRST INCIDENCE	548	436	542
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.070	P=0.027*	P=0.127
POLY 1.5	P=0.080	P=0.030*	P=0.138
POLY 6	P=0.061	P=0.023*	P=0.116
COCH-ARM / FISHERS	P=0.098	P=0.035*	P=0.160
MAX-ISO-POLY-3	P=0.095	P=0.038*	P=0.135
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

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First Dose M/F: NA / NA

Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
LAST REMOVAL AT 110 WEEKS**

---

DOSE	MALE		
	2.5%ETH/0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/30PPMURE
<hr/>			
Lacrimal Gland			
Infiltration Cellular Lymphocytic			
<hr/>			
LESION RATES			
OVERALL(a)	82/280 (29%)	39/138 (28%)	41/142 (29%)
POLY-3 RATE (b)	82/228.34	39/113.58	41/113.21
POLY-3 PERCENT (g)	35.9%	34.3%	36.2%
TERMINAL (d)	64/155 (41%)	19/69 (28%)	27/66 (41%)
FIRST INCIDENCE	483	488	467
<hr/>			
STATISTICAL TESTS			
POLY 3	P=0.522N	P=0.432N	P=0.526
POLY 1.5	P=0.504N	P=0.444N	P=0.547N
POLY 6	P=0.505	P=0.425N	P=0.501
COCH-ARM / FISHERS	P=0.474N	P=0.461N	P=0.512N
MAX-ISO-POLY-3	P=0.606	P=0.399N	P=0.481
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
Test Compound: Urethane + ethanol (combination)  
CAS Number: URETHCOMB

Date Report Requested: 10/24/2014  
Time Report Requested: 03:40:57  
First Dose M/F: NA / NA  
Lab: NCTR

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
LAST REMOVAL AT 110 WEEKS

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DOSE	MALE		
	2.5%ETH/0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/30PPMURE
Lacrimal Gland: Duct Dilatation			
<b>LESION RATES</b>			
OVERALL(a)	0/280 (0%)	0/138 (0%)	0/142 (0%)
POLY-3 RATE (b)	0/223.28	0/107.81	0/108.43
POLY-3 PERCENT (g)	0%	0%	0%
TERMINAL (d)	0/155 (0%)	0/69 (0%)	0/66 (0%)
FIRST INCIDENCE	---	---	---
<b>STATISTICAL TESTS</b>			
POLY 3	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/24/2014

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First Dose M/F: NA / NA

Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
 LAST REMOVAL AT 110 WEEKS**

DOSE	MALE		
	2.5%ETH/0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/30PPMURE
Larynx			
Autolysis			
<b>LESION RATES</b>			
OVERALL(a)	0/271 (0%)	0/140 (0%)	0/139 (0%)
POLY-3 RATE (b)	0/219.10	0/110.82	0/105.95
POLY-3 PERCENT (g)	0%	0%	0%
TERMINAL (d)	0/153 (0%)	0/70 (0%)	0/65 (0%)
FIRST INCIDENCE	---	---	---
<b>STATISTICAL TESTS</b>			
POLY 3	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/24/2014

Time Report Requested: 03:40:57

First Dose M/F: NA / NA

Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
 LAST REMOVAL AT 110 WEEKS**

DOSE	MALE		
	2.5%ETH/0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/30PPMURE
Larynx			
Cyst			
<b>LESION RATES</b>			
OVERALL(a)	0/271 (0%)	3/140 (2%)	0/139 (0%)
POLY-3 RATE (b)	0/219.10	3/111.38	0/105.95
POLY-3 PERCENT (g)	0%	2.7%	0%
TERMINAL (d)	0/153 (0%)	1/70 (1%)	0/65 (0%)
FIRST INCIDENCE	---	675	---
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.407	P=0.033*	(e)
POLY 1.5	P=0.419	P=0.034*	(e)
POLY 6	P=0.394	P=0.032*	(e)
COCH-ARM / FISHERS	P=0.439	P=0.039*	(e)
MAX-ISO-POLY-3	P=0.160	P=0.017*	(e)
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/24/2014

Time Report Requested: 03:40:57

First Dose M/F: NA / NA

Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
LAST REMOVAL AT 110 WEEKS**

DOSE	MALE		
	2.5%ETH/0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/30PPMURE
<b>Larynx</b>			
<b>Inflammation Acute</b>			
<b>LESION RATES</b>			
OVERALL(a)	1/271 (0%)	3/140 (2%)	3/139 (2%)
POLY-3 RATE (b)	1/219.24	3/111.24	3/106.34
POLY-3 PERCENT (g)	0.5%	2.7%	2.8%
TERMINAL (d)	0/153 (0%)	2/70 (3%)	1/65 (2%)
FIRST INCIDENCE	726	640	662
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.063	P=0.110	P=0.102
POLY 1.5	P=0.066	P=0.112	P=0.105
POLY 6	P=0.060	P=0.106	P=0.098
COCH-ARM / FISHERS	P=0.072	P=0.117	P=0.115
MAX-ISO-POLY-3	P=0.085	P=0.064	P=0.062
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)  
 CAS Number: URETHCOMB

Date Report Requested: 10/24/2014  
 Time Report Requested: 03:40:57  
 First Dose M/F: NA / NA  
 Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
 LAST REMOVAL AT 110 WEEKS**

DOSE	MALE		
	2.5%ETH/0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/30PPMURE
<b>Liver</b>			
<b>Amyloid Deposition</b>			
<b>LESION RATES</b>			
OVERALL(a)	1/278 (0%)	1/142 (1%)	2/142 (1%)
POLY-3 RATE (b)	1/223.06	1/111.80	2/109.08
POLY-3 PERCENT (g)	0.4%	0.9%	1.8%
TERMINAL (d)	1/156 (1%)	0/71 (0%)	0/66 (0%)
FIRST INCIDENCE	764(T)	642	671
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.180	P=0.599	P=0.264
POLY 1.5	P=0.183	P=0.601	P=0.269
POLY 6	P=0.176	P=0.594	P=0.258
COCH-ARM / FISHERS	P=0.187	P=0.562	P=0.265
MAX-ISO-POLY-3	P=0.199	P=0.334	P=0.144
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/24/2014

Time Report Requested: 03:40:57

First Dose M/F: NA / NA

Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
 LAST REMOVAL AT 110 WEEKS**

DOSE	MALE		
	2.5%ETH/0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/30PPMURE
<b>Liver</b>			
<b>Angiectasis</b>			
<b>LESION RATES</b>			
OVERALL(a)	28/278 (10%)	23/142 (16%)	28/142 (20%)
POLY-3 RATE (b)	28/228.63	23/112.94	28/111.44
POLY-3 PERCENT (g)	12.2%	20.4%	25.1%
TERMINAL (d)	14/156 (9%)	15/71 (21%)	14/66 (21%)
FIRST INCIDENCE	453	662	643
<b>STATISTICAL TESTS</b>			
POLY 3	P<0.001**	P=0.034*	P=0.002**
POLY 1.5	P=0.002**	P=0.039*	P=0.003**
POLY 6	P<0.001**	P=0.027*	P<0.001**
COCH-ARM / FISHERS	P=0.003**	P=0.050*	P=0.005**
MAX-ISO-POLY-3	P<0.001**	P=0.044*	P=0.005**
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
Test Compound: Urethane + ethanol (combination)  
CAS Number: URETHCOMB

Date Report Requested: 10/24/2014  
Time Report Requested: 03:40:57  
First Dose M/F: NA / NA  
Lab: NCTR

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
LAST REMOVAL AT 110 WEEKS

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DOSE	MALE		
	2.5%ETH/0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/30PPMURE
Liver			
Autolysis			
LESION RATES			
OVERALL(a)	0/278 (0%)	0/142 (0%)	0/142 (0%)
POLY-3 RATE (b)	0/223.06	0/111.39	0/108.66
POLY-3 PERCENT (g)	0%	0%	0%
TERMINAL (d)	0/156 (0%)	0/71 (0%)	0/66 (0%)
FIRST INCIDENCE	---	---	---
STATISTICAL TESTS			
POLY 3	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/24/2014

Time Report Requested: 03:40:57

First Dose M/F: NA / NA

Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
 LAST REMOVAL AT 110 WEEKS**

DOSE	MALE		
	2.5%ETH/0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/30PPMURE
<b>Liver</b>			
<b>Basophilic Focus</b>			
<b>LESION RATES</b>			
OVERALL(a)	8/278 (3%)	4/142 (3%)	5/142 (4%)
POLY-3 RATE (b)	8/223.29	4/111.60	5/108.66
POLY-3 PERCENT (g)	3.6%	3.6%	4.6%
TERMINAL (d)	6/156 (4%)	2/71 (3%)	5/66 (8%)
FIRST INCIDENCE	728	721	764(T)
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.398	P=0.622	P=0.442
POLY 1.5	P=0.411	P=0.615N	P=0.457
POLY 6	P=0.378	P=0.609	P=0.422
COCH-ARM / FISHERS	P=0.428	P=0.623	P=0.463
MAX-ISO-POLY-3	P=0.483	P=0.500	P=0.352
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			



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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/24/2014

Time Report Requested: 03:40:57

First Dose M/F: NA / NA

Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
LAST REMOVAL AT 110 WEEKS**

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DOSE	MALE		
	2.5%ETH/0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/30PPMURE
<hr/>			
Liver			
Clear Cell Focus			
<hr/>			
<b>LESION RATES</b>			
OVERALL(a)	12/278 (4%)	8/142 (6%)	8/142 (6%)
POLY-3 RATE (b)	12/223.47	8/111.39	8/109.01
POLY-3 PERCENT (g)	5.4%	7.2%	7.3%
TERMINAL (d)	11/156 (7%)	8/71 (11%)	7/66 (11%)
FIRST INCIDENCE	643	764(T)	662
<hr/>			
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.261	P=0.340	P=0.323
POLY 1.5	P=0.277	P=0.350	P=0.339
POLY 6	P=0.239	P=0.321	P=0.302
COCH-ARM / FISHERS	P=0.297	P=0.353	P=0.353
MAX-ISO-POLY-3	P=0.363	P=0.285	P=0.273
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/24/2014

Time Report Requested: 03:40:57

First Dose M/F: NA / NA

Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
 LAST REMOVAL AT 110 WEEKS**

DOSE	MALE		
	2.5%ETH/0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/30PPMURE
<b>Liver</b>			
<b>Eosinophilic Focus</b>			
<b>LESION RATES</b>			
OVERALL(a)	76/278 (27%)	42/142 (30%)	52/142 (37%)
POLY-3 RATE (b)	76/233.35	42/116.21	52/115.64
POLY-3 PERCENT (g)	32.6%	36.1%	45%
TERMINAL (d)	49/156 (31%)	26/71 (37%)	27/66 (41%)
FIRST INCIDENCE	473	246	368
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.014*	P=0.291	P=0.015*
POLY 1.5	P=0.020*	P=0.322	P=0.020*
POLY 6	P=0.010**	P=0.243	P=0.011*
COCH-ARM / FISHERS	P=0.033*	P=0.355	P=0.033*
MAX-ISO-POLY-3	P=0.018*	P=0.281	P=0.024*
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/24/2014

Time Report Requested: 03:40:57

First Dose M/F: NA / NA

Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
LAST REMOVAL AT 110 WEEKS**

DOSE	MALE		
	2.5%ETH/0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/30PPMURE
Liver			
Granuloma Focal			
<b>LESION RATES</b>			
OVERALL(a)	0/278 (0%)	0/142 (0%)	0/142 (0%)
POLY-3 RATE (b)	0/223.06	0/111.39	0/108.66
POLY-3 PERCENT (g)	0%	0%	0%
TERMINAL (d)	0/156 (0%)	0/71 (0%)	0/66 (0%)
FIRST INCIDENCE	---	---	---
<b>STATISTICAL TESTS</b>			
POLY 3	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
**Test Compound:** Urethane + ethanol (combination)  
**CAS Number:** URETHCOMB

**Date Report Requested:** 10/24/2014  
**Time Report Requested:** 03:40:57  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)**  
**LAST REMOVAL AT 110 WEEKS**

DOSE	MALE		
	2.5%ETH/0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/30PPMURE
<b>Liver</b>			
<b>Hematopoietic Cell Proliferation</b>			
<b>LESION RATES</b>			
<b>OVERALL(a)</b>	33/278 (12%)	17/142 (12%)	19/142 (13%)
<b>POLY-3 RATE (b)</b>	33/230.10	17/114.25	19/110.83
<b>POLY-3 PERCENT (g)</b>	14.3%	14.9%	17.1%
<b>TERMINAL (d)</b>	13/156 (8%)	10/71 (14%)	10/66 (15%)
<b>FIRST INCIDENCE</b>	453	362	467
<b>STATISTICAL TESTS</b>			
<b>POLY 3</b>	P=0.287	P=0.512	P=0.305
<b>POLY 1.5</b>	P=0.321	P=0.531	P=0.339
<b>POLY 6</b>	P=0.246	P=0.477	P=0.265
<b>COCH-ARM / FISHERS</b>	P=0.367	P=0.546	P=0.382
<b>MAX-ISO-POLY-3</b>	P=0.394	P=0.454	P=0.284
<b>HISTCONT SAME RTE</b>			
<b>HISTCONT ALL RTES</b>			
<b>CURR VS HC SAME RTE</b>			
<b>CURR VS HC ALL RTES</b>			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/24/2014

Time Report Requested: 03:40:57

First Dose M/F: NA / NA

Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
LAST REMOVAL AT 110 WEEKS**

DOSE	MALE		
	2.5%ETH/0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/30PPMURE
<b>Liver</b>			
<b>Infiltration Cellular Lymphocytic</b>			
<b>LESION RATES</b>			
OVERALL(a)	3/278 (1%)	2/142 (1%)	2/142 (1%)
POLY-3 RATE (b)	3/223.06	2/111.39	2/109.01
POLY-3 PERCENT (g)	1.3%	1.8%	1.8%
TERMINAL (d)	3/156 (2%)	2/71 (3%)	1/66 (2%)
FIRST INCIDENCE	764(T)	764(T)	663
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.446	P=0.562	P=0.553
POLY 1.5	P=0.454	P=0.567	P=0.561
POLY 6	P=0.435	P=0.554	P=0.543
COCH-ARM / FISHERS	P=0.465	P=0.549	P=0.549
MAX-ISO-POLY-3	P=0.531	P=0.392	P=0.385
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/24/2014

Time Report Requested: 03:40:57

First Dose M/F: NA / NA

Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
LAST REMOVAL AT 110 WEEKS**

DOSE	MALE		
	2.5%ETH/0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/30PPMURE
<b>Liver</b>			
<b>Infiltration Cellular Mixed Cell</b>			
<b>LESION RATES</b>			
OVERALL(a)	19/278 (7%)	8/142 (6%)	5/142 (4%)
POLY-3 RATE (b)	19/223.89	8/111.39	5/108.66
POLY-3 PERCENT (g)	8.5%	7.2%	4.6%
TERMINAL (d)	17/156 (11%)	8/71 (11%)	5/66 (8%)
FIRST INCIDENCE	600	764(T)	764(T)
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.126N	P=0.421N	P=0.146N
POLY 1.5	P=0.115N	P=0.409N	P=0.135N
POLY 6	P=0.143N	P=0.445N	P=0.163N
COCH-ARM / FISHERS	P=0.103N	P=0.403N	P=0.121N
MAX-ISO-POLY-3	P=0.175N	P=0.361N	P=0.138N
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/24/2014

Time Report Requested: 03:40:57

First Dose M/F: NA / NA

Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
 LAST REMOVAL AT 110 WEEKS**

DOSE	MALE		
	2.5%ETH/0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/30PPMURE
<b>Liver</b>			
<b>Inflammation Chronic</b>			
<b>LESION RATES</b>			
OVERALL(a)	0/278 (0%)	1/142 (1%)	1/142 (1%)
POLY-3 RATE (b)	0/223.06	1/111.39	1/108.71
POLY-3 PERCENT (g)	0%	0.9%	0.9%
TERMINAL (d)	0/156 (0%)	1/71 (1%)	0/66 (0%)
FIRST INCIDENCE	---	764(T)	751
<b>STATISTICAL TESTS</b>			
POLY 3	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
Test Compound: Urethane + ethanol (combination)  
CAS Number: URETHCOMB

Date Report Requested: 10/24/2014  
Time Report Requested: 03:40:57  
First Dose M/F: NA / NA  
Lab: NCTR

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
LAST REMOVAL AT 110 WEEKS

DOSE	MALE		
	2.5%ETH/0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/30PPMURE
Liver			
Mixed Cell Focus			
LESION RATES			
OVERALL(a)	6/278 (2%)	8/142 (6%)	9/142 (6%)
POLY-3 RATE (b)	6/223.06	8/111.86	9/108.66
POLY-3 PERCENT (g)	2.7%	7.2%	8.3%
TERMINAL (d)	6/156 (4%)	7/71 (10%)	9/66 (14%)
FIRST INCIDENCE	764(T)	620	764(T)
STATISTICAL TESTS			
POLY 3	P=0.014*	P=0.051	P=0.022*
POLY 1.5	P=0.016*	P=0.053	P=0.024*
POLY 6	P=0.012*	P=0.047*	P=0.019*
COCH-ARM / FISHERS	P=0.019*	P=0.059	P=0.031*
MAX-ISO-POLY-3	P=0.018*	P=0.048*	P=0.025*
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			



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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/24/2014

Time Report Requested: 03:40:57

First Dose M/F: NA / NA

Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
LAST REMOVAL AT 110 WEEKS**

DOSE	MALE		
	2.5%ETH/0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/30PPMURE
Liver			
Necrosis			
<b>LESION RATES</b>			
OVERALL(a)	18/278 (6%)	12/142 (8%)	8/142 (6%)
POLY-3 RATE (b)	18/229.05	12/113.54	8/109.64
POLY-3 PERCENT (g)	7.9%	10.6%	7.3%
TERMINAL (d)	3/156 (2%)	5/71 (7%)	4/66 (6%)
FIRST INCIDENCE	373	524	614
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.533	P=0.264	P=0.514N
POLY 1.5	P=0.519N	P=0.277	P=0.487N
POLY 6	P=0.492	P=0.245	P=0.548N
COCH-ARM / FISHERS	P=0.475N	P=0.289	P=0.459N
MAX-ISO-POLY-3	P=0.484N	P=0.237	P=0.439N
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/24/2014

Time Report Requested: 03:40:57

First Dose M/F: NA / NA

Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
LAST REMOVAL AT 110 WEEKS**

DOSE	MALE		
	2.5%ETH/0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/30PPMURE
Liver			
Regeneration			
<b>LESION RATES</b>			
OVERALL(a)	4/278 (1%)	11/142 (8%)	8/142 (6%)
POLY-3 RATE (b)	4/223.06	11/111.82	8/109.05
POLY-3 PERCENT (g)	1.8%	9.8%	7.3%
TERMINAL (d)	4/156 (3%)	8/71 (11%)	6/66 (9%)
FIRST INCIDENCE	764(T)	668	710
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.007**	P<0.001**	P=0.013*
POLY 1.5	P=0.008**	P<0.001**	P=0.014*
POLY 6	P=0.005**	P<0.001**	P=0.012*
COCH-ARM / FISHERS	P=0.010**	P=0.002**	P=0.019*
MAX-ISO-POLY-3	P=0.008**	P=0.002**	P=0.015*
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 Test Compound: Urethane + ethanol (combination)  
 CAS Number: URETHCOMB

Date Report Requested: 10/24/2014  
 Time Report Requested: 03:40:57  
 First Dose M/F: NA / NA  
 Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
 LAST REMOVAL AT 110 WEEKS**

DOSE	MALE		
	2.5%ETH/0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/30PPMURE
<b>Liver</b>			
<b>Tension Lipidosis</b>			
<b>LESION RATES</b>			
OVERALL(a)	2/278 (1%)	0/142 (0%)	0/142 (0%)
POLY-3 RATE (b)	2/223.06	0/111.39	0/108.66
POLY-3 PERCENT (g)	0.9%	0%	0%
TERMINAL (d)	2/156 (1%)	0/71 (0%)	0/66 (0%)
FIRST INCIDENCE	764(T)	---	---
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.201N	P=0.402N	P=0.408N
POLY 1.5	P=0.198N	P=0.399N	P=0.403N
POLY 6	P=0.206N	P=0.407N	P=0.415N
COCH-ARM / FISHERS	P=0.193N	P=0.438N	P=0.438N
MAX-ISO-POLY-3	P=0.232N	P=0.195N	P=0.201N
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/24/2014

Time Report Requested: 03:40:57

First Dose M/F: NA / NA

Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
 LAST REMOVAL AT 110 WEEKS**

DOSE	MALE		
	2.5%ETH/0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/30PPMURE
<b>Liver</b>			
<b>Thrombosis</b>			
<b>LESION RATES</b>			
OVERALL(a)	0/278 (0%)	0/142 (0%)	0/142 (0%)
POLY-3 RATE (b)	0/223.06	0/111.39	0/108.66
POLY-3 PERCENT (g)	0%	0%	0%
TERMINAL (d)	0/156 (0%)	0/71 (0%)	0/66 (0%)
FIRST INCIDENCE	---	---	---
<b>STATISTICAL TESTS</b>			
POLY 3	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)  
 CAS Number: URETHCOMB

Date Report Requested: 10/24/2014  
 Time Report Requested: 03:40:57  
 First Dose M/F: NA / NA  
 Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
 LAST REMOVAL AT 110 WEEKS**

DOSE	MALE		
	2.5%ETH/0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/30PPMURE
<b>Liver: Bile Duct</b>			
<b>Cyst</b>			
<b>LESION RATES</b>			
OVERALL(a)	5/278 (2%)	0/142 (0%)	1/142 (1%)
POLY-3 RATE (b)	5/223.06	0/111.39	1/108.87
POLY-3 PERCENT (g)	2.2%	0%	0.9%
TERMINAL (d)	5/156 (3%)	0/71 (0%)	0/66 (0%)
FIRST INCIDENCE	764(T)	---	707
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.164N	P=0.133N	P=0.342N
POLY 1.5	P=0.160N	P=0.131N	P=0.334N
POLY 6	P=0.170N	P=0.138N	P=0.353N
COCH-ARM / FISHERS	P=0.156N	P=0.126N	P=0.340N
MAX-ISO-POLY-3	P=0.181N	P=0.086N	P=0.235N
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)  
 CAS Number: URETHCOMB

Date Report Requested: 10/24/2014  
 Time Report Requested: 03:40:57  
 First Dose M/F: NA / NA  
 Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
 LAST REMOVAL AT 110 WEEKS**

DOSE	MALE		
	2.5%ETH/0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/30PPMURE
<b>Liver: Bile Duct</b>			
<b>Hyperplasia</b>			
<b>LESION RATES</b>			
OVERALL(a)	1/278 (0%)	0/142 (0%)	2/142 (1%)
POLY-3 RATE (b)	1/223.21	0/111.39	2/109.12
POLY-3 PERCENT (g)	0.4%	0%	1.8%
TERMINAL (d)	0/156 (0%)	0/71 (0%)	1/66 (2%)
FIRST INCIDENCE	724	---	623
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.193	P=0.638N	P=0.264
POLY 1.5	P=0.194	P=0.636N	P=0.269
POLY 6	P=0.190	P=0.642N	P=0.257
COCH-ARM / FISHERS	P=0.196	P=0.662N	P=0.265
MAX-ISO-POLY-3	P=0.118	P=0.272N	P=0.144
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/24/2014

Time Report Requested: 03:40:57

First Dose M/F: NA / NA

Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
LAST REMOVAL AT 110 WEEKS**

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DOSE	MALE		
	2.5%ETH/0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/30PPMURE
<hr/>			
Liver: Centrilobular			
Necrosis			
<hr/>			
LESION RATES			
OVERALL(a)	0/278 (0%)	0/142 (0%)	0/142 (0%)
POLY-3 RATE (b)	0/223.06	0/111.39	0/108.66
POLY-3 PERCENT (g)	0%	0%	0%
TERMINAL (d)	0/156 (0%)	0/71 (0%)	0/66 (0%)
FIRST INCIDENCE	---	---	---
<hr/>			
STATISTICAL TESTS			
POLY 3	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 Test Compound: Urethane + ethanol (combination)  
 CAS Number: URETHCOMB

Date Report Requested: 10/24/2014  
 Time Report Requested: 03:40:57  
 First Dose M/F: NA / NA  
 Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
 LAST REMOVAL AT 110 WEEKS**

DOSE	MALE		
	2.5%ETH/0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/30PPMURE
<b>Liver: Hepatocyte</b>			
<b>Necrosis</b>			
<b>LESION RATES</b>			
OVERALL(a)	27/278 (10%)	14/142 (10%)	12/142 (8%)
POLY-3 RATE (b)	27/224.36	14/111.72	12/109.05
POLY-3 PERCENT (g)	12%	12.5%	11%
TERMINAL (d)	21/156 (13%)	12/71 (17%)	8/66 (12%)
FIRST INCIDENCE	474	674	671
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.448N	P=0.518	P=0.463N
POLY 1.5	P=0.420N	P=0.533	P=0.437N
POLY 6	P=0.488N	P=0.489	P=0.498N
COCH-ARM / FISHERS	P=0.385N	P=0.544	P=0.410N
MAX-ISO-POLY-3	P=0.539N	P=0.455	P=0.407N
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			



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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/24/2014

Time Report Requested: 03:40:57

First Dose M/F: NA / NA

Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
LAST REMOVAL AT 110 WEEKS**

DOSE	MALE		
	2.5%ETH/0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/30PPMURE
<b>Liver: Hepatocyte Nuclear Alteration</b>			
<b>LESION RATES</b>			
OVERALL(a)	5/278 (2%)	3/142 (2%)	12/142 (8%)
POLY-3 RATE (b)	5/223.72	3/111.39	12/110.01
POLY-3 PERCENT (g)	2.2%	2.7%	10.9%
TERMINAL (d)	4/156 (3%)	3/71 (4%)	6/66 (9%)
FIRST INCIDENCE	536	764(T)	618
<b>STATISTICAL TESTS</b>			
POLY 3	P<0.001**	P=0.548	P<0.001**
POLY 1.5	P<0.001**	P=0.554	P<0.001**
POLY 6	P<0.001**	P=0.536	P<0.001**
COCH-ARM / FISHERS	P<0.001**	P=0.545	P=0.002**
MAX-ISO-POLY-3	P<0.001**	P=0.412	P=0.002**
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
Test Compound: Urethane + ethanol (combination)  
CAS Number: URETHCOMB

Date Report Requested: 10/24/2014  
Time Report Requested: 03:40:57  
First Dose M/F: NA / NA  
Lab: NCTR

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
LAST REMOVAL AT 110 WEEKS

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DOSE	MALE		
	2.5%ETH/0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/30PPMURE
<hr/>			
Liver: Hepatocyte			
Syncytial Alteration			
<hr/>			
LESION RATES			
OVERALL(a)	48/278 (17%)	15/142 (11%)	28/142 (20%)
POLY-3 RATE (b)	48/223.12	15/112.85	28/109.83
POLY-3 PERCENT (g)	21.5%	13.3%	25.5%
TERMINAL (d)	47/156 (30%)	11/71 (15%)	24/66 (36%)
FIRST INCIDENCE	748	395	384
<hr/>			
STATISTICAL TESTS			
POLY 3	P=0.363	P=0.045N*	P=0.249
POLY 1.5	P=0.388	P=0.045N*	P=0.278
POLY 6	P=0.326	P=0.049N*	P=0.211
COCH-ARM / FISHERS	P=0.417	P=0.045N*	P=0.312
MAX-ISO-POLY-3	P=0.148	P=0.055N	P=0.241
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/24/2014

Time Report Requested: 03:40:57

First Dose M/F: NA / NA

Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
LAST REMOVAL AT 110 WEEKS**

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DOSE	MALE		
	2.5%ETH/0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/30PPMURE
<hr/>			
Liver: Hepatocyte			
Vacuolization Cytoplasmic			
<hr/>			
<b>LESION RATES</b>			
OVERALL(a)	13/278 (5%)	7/142 (5%)	10/142 (7%)
POLY-3 RATE (b)	13/224.92	7/112.94	10/110.06
POLY-3 PERCENT (g)	5.8%	6.2%	9.1%
TERMINAL (d)	9/156 (6%)	4/71 (6%)	7/66 (11%)
FIRST INCIDENCE	511	528	507
<hr/>			
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.171	P=0.536	P=0.187
POLY 1.5	P=0.183	P=0.543	P=0.200
POLY 6	P=0.156	P=0.520	P=0.171
COCH-ARM / FISHERS	P=0.198	P=0.541	P=0.215
MAX-ISO-POLY-3	P=0.232	P=0.447	P=0.169
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
Test Compound: Urethane + ethanol (combination)  
CAS Number: URETHCOMB

Date Report Requested: 10/24/2014  
Time Report Requested: 03:40:57  
First Dose M/F: NA / NA  
Lab: NCTR

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
LAST REMOVAL AT 110 WEEKS

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DOSE	MALE		
	2.5%ETH/0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/30PPMURE
<hr/>			
Liver: Kupffer Cell			
Hyperplasia			
<hr/>			
LESION RATES			
OVERALL(a)	51/278 (18%)	34/142 (24%)	32/142 (23%)
POLY-3 RATE (b)	51/230.42	34/115.79	32/111.49
POLY-3 PERCENT (g)	22.1%	29.4%	28.7%
TERMINAL (d)	25/156 (16%)	19/71 (27%)	16/66 (24%)
FIRST INCIDENCE	373	426	614
<hr/>			
STATISTICAL TESTS			
POLY 3	P=0.075	P=0.088	P=0.116
POLY 1.5	P=0.097	P=0.097	P=0.142
POLY 6	P=0.055	P=0.073	P=0.090
COCH-ARM / FISHERS	P=0.135	P=0.111	P=0.186
MAX-ISO-POLY-3	P=0.102	P=0.100	P=0.129
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
Test Compound: Urethane + ethanol (combination)  
CAS Number: URETHCOMB

Date Report Requested: 10/24/2014  
Time Report Requested: 03:40:57  
First Dose M/F: NA / NA  
Lab: NCTR

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
LAST REMOVAL AT 110 WEEKS

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DOSE	MALE		
	2.5%ETH/0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/30PPMURE
Lung			
Autolysis			
LESION RATES			
OVERALL(a)	0/287 (0%)	0/143 (0%)	0/144 (0%)
POLY-3 RATE (b)	0/226.44	0/111.98	0/109.42
POLY-3 PERCENT (g)	0%	0%	0%
TERMINAL (d)	0/156 (0%)	0/71 (0%)	0/66 (0%)
FIRST INCIDENCE	---	---	---
STATISTICAL TESTS			
POLY 3	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/24/2014

Time Report Requested: 03:40:57

First Dose M/F: NA / NA

Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
 LAST REMOVAL AT 110 WEEKS**

DOSE	MALE		
	2.5%ETH/0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/30PPMURE
<b>Lung</b>			
<b>Congestion</b>			
<b>LESION RATES</b>			
OVERALL(a)	0/287 (0%)	0/143 (0%)	0/144 (0%)
POLY-3 RATE (b)	0/226.44	0/111.98	0/109.42
POLY-3 PERCENT (g)	0%	0%	0%
TERMINAL (d)	0/156 (0%)	0/71 (0%)	0/66 (0%)
FIRST INCIDENCE	---	---	---
<b>STATISTICAL TESTS</b>			
POLY 3	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)  
 CAS Number: URETHCOMB

Date Report Requested: 10/24/2014  
 Time Report Requested: 03:40:57  
 First Dose M/F: NA / NA  
 Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
 LAST REMOVAL AT 110 WEEKS**

DOSE	MALE		
	2.5%ETH/0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/30PPMURE
<b>Lung</b>			
<b>Hemorrhage</b>			
<b>LESION RATES</b>			
OVERALL(a)	1/287 (0%)	0/143 (0%)	1/144 (1%)
POLY-3 RATE (b)	1/226.51	0/111.98	1/109.42
POLY-3 PERCENT (g)	0.4%	0%	0.9%
TERMINAL (d)	0/156 (0%)	0/71 (0%)	1/66 (2%)
FIRST INCIDENCE	746	---	764(T)
<b>STATISTICAL TESTS</b>			
POLY 3	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)  
 CAS Number: URETHCOMB

Date Report Requested: 10/24/2014  
 Time Report Requested: 03:40:57  
 First Dose M/F: NA / NA  
 Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
 LAST REMOVAL AT 110 WEEKS**

DOSE	MALE		
	2.5%ETH/0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/30PPMURE
<b>Lung</b>			
<b>Infiltration Cellular</b>			
<b>LESION RATES</b>			
OVERALL(a)	5/287 (2%)	3/143 (2%)	1/144 (1%)
POLY-3 RATE (b)	5/227.04	3/112.24	1/109.63
POLY-3 PERCENT (g)	2.2%	2.7%	0.9%
TERMINAL (d)	3/156 (2%)	1/71 (1%)	0/66 (0%)
FIRST INCIDENCE	580	710	707
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.326N	P=0.544	P=0.346N
POLY 1.5	P=0.317N	P=0.547	P=0.339N
POLY 6	P=0.338N	P=0.536	P=0.356N
COCH-ARM / FISHERS	P=0.305N	P=0.531	P=0.348N
MAX-ISO-POLY-3	P=0.315N	P=0.408	P=0.238N
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			



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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Test Compound: Urethane + ethanol (combination)  
 CAS Number: URETHCOMB

Date Report Requested: 10/24/2014  
 Time Report Requested: 03:40:57  
 First Dose M/F: NA / NA  
 Lab: NCTR

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
 LAST REMOVAL AT 110 WEEKS

DOSE	MALE		
	2.5%ETH/0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/30PPMURE
<b>Lung</b>			
<b>Infiltration Cellular Lymphocytic</b>			
<b>LESION RATES</b>			
OVERALL(a)	39/287 (14%)	9/143 (6%)	17/144 (12%)
POLY-3 RATE (b)	39/229.98	9/112.27	17/110.50
POLY-3 PERCENT (g)	17%	8%	15.4%
TERMINAL (d)	31/156 (20%)	7/71 (10%)	14/66 (21%)
FIRST INCIDENCE	464	710	592
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.232N	P=0.018N*	P=0.417N
POLY 1.5	P=0.217N	P=0.017N*	P=0.390N
POLY 6	P=0.258N	P=0.022N*	P=0.453N
COCH-ARM / FISHERS	P=0.200N	P=0.015N*	P=0.361N
MAX-ISO-POLY-3	P=0.184N	P=0.027N*	P=0.377N
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 Test Compound: Urethane + ethanol (combination)  
 CAS Number: URETHCOMB

Date Report Requested: 10/24/2014  
 Time Report Requested: 03:40:57  
 First Dose M/F: NA / NA  
 Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
 LAST REMOVAL AT 110 WEEKS**

DOSE	MALE		
	2.5%ETH/0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/30PPMURE
<b>Lung</b>			
<b>Inflammation Chronic</b>			
<b>LESION RATES</b>			
OVERALL(a)	13/287 (5%)	8/143 (6%)	4/144 (3%)
POLY-3 RATE (b)	13/227.55	8/112.35	4/110.06
POLY-3 PERCENT (g)	5.7%	7.1%	3.6%
TERMINAL (d)	9/156 (6%)	7/71 (10%)	2/66 (3%)
FIRST INCIDENCE	600	655	662
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.317N	P=0.395	P=0.291N
POLY 1.5	P=0.304N	P=0.400	P=0.281N
POLY 6	P=0.336N	P=0.379	P=0.306N
COCH-ARM / FISHERS	P=0.288N	P=0.395	P=0.274N
MAX-ISO-POLY-3	P=0.290N	P=0.331	P=0.243N
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 Test Compound: Urethane + ethanol (combination)  
 CAS Number: URETHCOMB

Date Report Requested: 10/24/2014  
 Time Report Requested: 03:40:57  
 First Dose M/F: NA / NA  
 Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
 LAST REMOVAL AT 110 WEEKS**

DOSE	MALE		
	2.5%ETH/0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/30PPMURE
<b>Lung</b>			
<b>Leukocytosis</b>			
<b>LESION RATES</b>			
OVERALL(a)	0/287 (0%)	0/143 (0%)	0/144 (0%)
POLY-3 RATE (b)	0/226.44	0/111.98	0/109.42
POLY-3 PERCENT (g)	0%	0%	0%
TERMINAL (d)	0/156 (0%)	0/71 (0%)	0/66 (0%)
FIRST INCIDENCE	---	---	---
<b>STATISTICAL TESTS</b>			
POLY 3	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)  
 CAS Number: URETHCOMB

Date Report Requested: 10/24/2014  
 Time Report Requested: 03:40:57  
 First Dose M/F: NA / NA  
 Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
 LAST REMOVAL AT 110 WEEKS**

DOSE	MALE		
	2.5%ETH/0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/30PPMURE
<b>Lung</b>			
<b>Pigmentation</b>			
<b>LESION RATES</b>			
OVERALL(a)	2/287 (1%)	3/143 (2%)	0/144 (0%)
POLY-3 RATE (b)	2/226.95	3/111.98	0/109.42
POLY-3 PERCENT (g)	0.9%	2.7%	0%
TERMINAL (d)	1/156 (1%)	3/71 (4%)	0/66 (0%)
FIRST INCIDENCE	600	764(T)	---
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.470N	P=0.209	P=0.411N
POLY 1.5	P=0.459N	P=0.211	P=0.406N
POLY 6	P=0.485N	P=0.203	P=0.417N
COCH-ARM / FISHERS	P=0.445N	P=0.208	P=0.443N
MAX-ISO-POLY-3	P=0.212N	P=0.134	P=0.202N
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/24/2014

Time Report Requested: 03:40:57

First Dose M/F: NA / NA

Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
LAST REMOVAL AT 110 WEEKS**

DOSE	MALE		
	2.5%ETH/0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/30PPMURE
<b>Lung: Alveolar Epith Hyperplasia</b>			
<b>LESION RATES</b>			
OVERALL(a)	21/287 (7%)	13/143 (9%)	22/144 (15%)
POLY-3 RATE (b)	21/230.19	13/113.45	22/112.55
POLY-3 PERCENT (g)	9.1%	11.5%	19.5%
TERMINAL (d)	9/156 (6%)	8/71 (11%)	12/66 (18%)
FIRST INCIDENCE	453	569	507
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.005**	P=0.312	P=0.005**
POLY 1.5	P=0.006**	P=0.320	P=0.006**
POLY 6	P=0.004**	P=0.293	P=0.004**
COCH-ARM / FISHERS	P=0.007**	P=0.321	P=0.009**
MAX-ISO-POLY-3	P=0.006**	P=0.278	P=0.009**
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/24/2014

Time Report Requested: 03:40:57

First Dose M/F: NA / NA

Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
LAST REMOVAL AT 110 WEEKS**

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DOSE	MALE		
	2.5%ETH/0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/30PPMURE
<hr/>			
Lymph Node: Inguinal			
Hyperplasia			
<hr/>			
LESION RATES			
OVERALL(a)	4/77 (5%)	0/34 (0%)	1/50 (2%)
POLY-3 RATE (b)	4/49.06	0/20.53	1/31.19
POLY-3 PERCENT (g)	8.2%	0%	3.2%
TERMINAL (d)	1/23 (4%)	0/11 (0%)	1/14 (7%)
FIRST INCIDENCE	520	---	764(T)
<hr/>			
STATISTICAL TESTS			
POLY 3	P=0.197N	P=0.223N	P=0.337N
POLY 1.5	P=0.194N	P=0.219N	P=0.332N
POLY 6	P=0.202N	P=0.231N	P=0.345N
COCH-ARM / FISHERS	P=0.193N	P=0.226N	P=0.344N
MAX-ISO-POLY-3	P=0.179N	P=0.135N	P=0.211N
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/24/2014

Time Report Requested: 03:40:57

First Dose M/F: NA / NA

Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
LAST REMOVAL AT 110 WEEKS**

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DOSE	MALE		
	2.5%ETH/0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/30PPMURE
<hr/>			
Lymph Node: Inguinal			
Infiltration Cellular			
<hr/>			
LESION RATES			
OVERALL(a)	0/77 (0%)	0/34 (0%)	2/50 (4%)
POLY-3 RATE (b)	0/47.92	0/20.53	2/31.86
POLY-3 PERCENT (g)	0%	0%	6.3%
TERMINAL (d)	0/23 (0%)	0/11 (0%)	0/14 (0%)
FIRST INCIDENCE	---	---	618
<hr/>			
STATISTICAL TESTS			
POLY 3	P=0.067	(e)	P=0.150
POLY 1.5	P=0.067	(e)	P=0.150
POLY 6	P=0.068	(e)	P=0.153
COCH-ARM / FISHERS	P=0.067	(e)	P=0.153
MAX-ISO-POLY-3	P=0.045*	(e)	P=0.052
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/24/2014

Time Report Requested: 03:40:57

First Dose M/F: NA / NA

Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
LAST REMOVAL AT 110 WEEKS**

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DOSE	MALE		
	2.5%ETH/0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/30PPMURE
<hr/>			
Lymph Node: Lumbar			
Hemorrhage			
<hr/>			
LESION RATES			
OVERALL(a)	0/77 (0%)	0/34 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/47.92	0/20.53	0/31.19
POLY-3 PERCENT (g)	0%	0%	0%
TERMINAL (d)	0/23 (0%)	0/11 (0%)	0/14 (0%)
FIRST INCIDENCE	---	---	---
<hr/>			
STATISTICAL TESTS			
POLY 3	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/24/2014

Time Report Requested: 03:40:57

First Dose M/F: NA / NA

Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
LAST REMOVAL AT 110 WEEKS**

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DOSE	MALE		
	2.5%ETH/0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/30PPMURE
<hr/>			
Lymph Node: Lumbar			
Hyperplasia			
<hr/>			
LESION RATES			
OVERALL(a)	1/77 (1%)	1/34 (3%)	1/50 (2%)
POLY-3 RATE (b)	1/48.92	1/20.53	1/32.13
POLY-3 PERCENT (g)	2%	4.9%	3.1%
TERMINAL (d)	0/23 (0%)	1/11 (9%)	0/14 (0%)
FIRST INCIDENCE	130	764(T)	299
<hr/>			
STATISTICAL TESTS			
POLY 3	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/24/2014

Time Report Requested: 03:40:57

First Dose M/F: NA / NA

Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
LAST REMOVAL AT 110 WEEKS**

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DOSE	MALE		
	2.5%ETH/0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/30PPMURE
<hr/>			
Lymph Node: Lumbar			
Infiltration Cellular Polymorphnuclr			
<hr/>			
<b>LESION RATES</b>			
OVERALL(a)	0/77 (0%)	0/34 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/47.92	0/20.53	0/31.19
POLY-3 PERCENT (g)	0%	0%	0%
TERMINAL (d)	0/23 (0%)	0/11 (0%)	0/14 (0%)
FIRST INCIDENCE	---	---	---
<hr/>			
<b>STATISTICAL TESTS</b>			
POLY 3	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

---

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/24/2014

Time Report Requested: 03:40:57

First Dose M/F: NA / NA

Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
LAST REMOVAL AT 110 WEEKS**

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DOSE	MALE		
	2.5%ETH/0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/30PPMURE
<b>Lymph Node: Mandibular</b>			
<b>Atrophy</b>			
<b>LESION RATES</b>			
OVERALL(a)	0/279 (0%)	0/140 (0%)	2/142 (1%)
POLY-3 RATE (b)	0/223.91	0/110.16	2/109.70
POLY-3 PERCENT (g)	0%	0%	1.8%
TERMINAL (d)	0/155 (0%)	0/70 (0%)	0/66 (0%)
FIRST INCIDENCE	---	---	210
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.044*	(e)	P=0.103
POLY 1.5	P=0.044*	(e)	P=0.105
POLY 6	P=0.044*	(e)	P=0.100
COCH-ARM / FISHERS	P=0.045*	(e)	P=0.113
MAX-ISO-POLY-3	P=0.030*	(e)	P=0.042*
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/24/2014

Time Report Requested: 03:40:57

First Dose M/F: NA / NA

Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
LAST REMOVAL AT 110 WEEKS**

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DOSE	MALE		
	2.5%ETH/0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/30PPMURE
<b>Lymph Node: Mandibular</b>			
<b>Autolysis</b>			
<b>LESION RATES</b>			
OVERALL(a)	0/279 (0%)	0/140 (0%)	0/142 (0%)
POLY-3 RATE (b)	0/223.91	0/110.16	0/108.52
POLY-3 PERCENT (g)	0%	0%	0%
TERMINAL (d)	0/155 (0%)	0/70 (0%)	0/66 (0%)
FIRST INCIDENCE	---	---	---
<b>STATISTICAL TESTS</b>			
POLY 3	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/24/2014

Time Report Requested: 03:40:57

First Dose M/F: NA / NA

Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
LAST REMOVAL AT 110 WEEKS**

DOSE	MALE		
	2.5%ETH/0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/30PPMURE
<b>Lymph Node: Mandibular</b>			
<b>Hemorrhage</b>			
<b>LESION RATES</b>			
OVERALL(a)	2/279 (1%)	2/140 (1%)	2/142 (1%)
POLY-3 RATE (b)	2/225.62	2/110.57	2/109.80
POLY-3 PERCENT (g)	0.9%	1.8%	1.8%
TERMINAL (d)	0/155 (0%)	1/70 (1%)	0/66 (0%)
FIRST INCIDENCE	306	640	517
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.301	P=0.422	P=0.420
POLY 1.5	P=0.307	P=0.426	P=0.426
POLY 6	P=0.293	P=0.416	P=0.412
COCH-ARM / FISHERS	P=0.317	P=0.409	P=0.414
MAX-ISO-POLY-3	P=0.386	P=0.265	P=0.265
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/24/2014

Time Report Requested: 03:40:57

First Dose M/F: NA / NA

Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
 LAST REMOVAL AT 110 WEEKS**

DOSE	MALE		
	2.5%ETH/0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/30PPMURE
<b>Lymph Node: Mandibular</b>			
<b>Hyperplasia</b>			
<b>LESION RATES</b>			
OVERALL(a)	72/279 (26%)	33/140 (24%)	19/142 (13%)
POLY-3 RATE (b)	72/229.70	33/111.32	19/109.56
POLY-3 PERCENT (g)	31.3%	29.6%	17.3%
TERMINAL (d)	51/155 (33%)	26/70 (37%)	15/66 (23%)
FIRST INCIDENCE	510	670	645
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.006N**	P=0.422N	P=0.004N**
POLY 1.5	P=0.005N**	P=0.391N	P=0.003N**
POLY 6	P=0.010N**	P=0.477N	P=0.006N**
COCH-ARM / FISHERS	P=0.003N**	P=0.355N	P=0.002N**
MAX-ISO-POLY-3	P=0.007N**	P=0.391N	P=0.010N**
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/24/2014

Time Report Requested: 03:40:57

First Dose M/F: NA / NA

Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
LAST REMOVAL AT 110 WEEKS**

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DOSE	MALE		
	2.5%ETH/0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/30PPMURE
<hr/>			
Lymph Node: Mandibular			
Infiltration Cellular			
<hr/>			
<b>LESION RATES</b>			
OVERALL(a)	17/279 (6%)	11/140 (8%)	6/142 (4%)
POLY-3 RATE (b)	17/229.78	11/114.42	6/109.80
POLY-3 PERCENT (g)	7.4%	9.6%	5.5%
TERMINAL (d)	5/155 (3%)	5/70 (7%)	2/66 (3%)
FIRST INCIDENCE	373	154	299
<hr/>			
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.382N	P=0.309	P=0.334N
POLY 1.5	P=0.356N	P=0.315	P=0.314N
POLY 6	P=0.417N	P=0.291	P=0.361N
COCH-ARM / FISHERS	P=0.320N	P=0.312	P=0.290N
MAX-ISO-POLY-3	P=0.322N	P=0.270	P=0.288N
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/24/2014

Time Report Requested: 03:40:58

First Dose M/F: NA / NA

Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
LAST REMOVAL AT 110 WEEKS**

DOSE	MALE		
	2.5%ETH/0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/30PPMURE
<b>Lymph Node: Mandibular</b>			
<b>Pigmentation</b>			
<b>LESION RATES</b>			
OVERALL(a)	4/279 (1%)	1/140 (1%)	1/142 (1%)
POLY-3 RATE (b)	4/224.59	1/110.49	1/109.11
POLY-3 PERCENT (g)	1.8%	0.9%	0.9%
TERMINAL (d)	1/155 (1%)	0/70 (0%)	0/66 (0%)
FIRST INCIDENCE	611	668	570
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.322N	P=0.444N	P=0.449N
POLY 1.5	P=0.315N	P=0.440N	P=0.441N
POLY 6	P=0.331N	P=0.451N	P=0.459N
COCH-ARM / FISHERS	P=0.305N	P=0.459N	P=0.452N
MAX-ISO-POLY-3	P=0.406N	P=0.297N	P=0.303N
HISTCONT SAME RTE			
HISTCONT ALL RTEs			
CURR VS HC SAME RTE			
CURR VS HC ALL RTEs			



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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
Test Compound: Urethane + ethanol (combination)  
CAS Number: URETHCOMB

Date Report Requested: 10/24/2014  
Time Report Requested: 03:40:58  
First Dose M/F: NA / NA  
Lab: NCTR

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
LAST REMOVAL AT 110 WEEKS

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DOSE	MALE		
	2.5%ETH/0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/30PPMURE
<b>Lymph Node: Mesenteric</b>			
<b>Angiectasis</b>			
<b>LESION RATES</b>			
OVERALL(a)	129/265 (49%)	60/138 (43%)	56/129 (43%)
POLY-3 RATE (b)	129/228.12	60/116.49	56/109.34
POLY-3 PERCENT (g)	56.5%	51.5%	51.2%
TERMINAL (d)	85/154 (55%)	37/70 (53%)	29/65 (45%)
FIRST INCIDENCE	432	426	467
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.161N	P=0.213N	P=0.205N
POLY 1.5	P=0.160N	P=0.202N	P=0.205N
POLY 6	P=0.164N	P=0.248N	P=0.203N
COCH-ARM / FISHERS	P=0.148N	P=0.187N	P=0.191N
MAX-ISO-POLY-3	P=0.224N	P=0.214N	P=0.209N
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
Test Compound: Urethane + ethanol (combination)  
CAS Number: URETHCOMB

Date Report Requested: 10/24/2014  
Time Report Requested: 03:40:58  
First Dose M/F: NA / NA  
Lab: NCTR

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
LAST REMOVAL AT 110 WEEKS

---

DOSE	MALE		
	2.5%ETH/0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/30PPMURE
<b>Lymph Node: Mesenteric</b>			
<b>Atrophy</b>			
<b>LESION RATES</b>			
OVERALL(a)	0/265 (0%)	0/138 (0%)	0/129 (0%)
POLY-3 RATE (b)	0/215.60	0/109.10	0/101.65
POLY-3 PERCENT (g)	0%	0%	0%
TERMINAL (d)	0/154 (0%)	0/70 (0%)	0/65 (0%)
FIRST INCIDENCE	---	---	---
<b>STATISTICAL TESTS</b>			
POLY 3	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/24/2014

Time Report Requested: 03:40:58

First Dose M/F: NA / NA

Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
LAST REMOVAL AT 110 WEEKS**

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DOSE	MALE		
	2.5%ETH/0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/30PPMURE
<hr/>			
Lymph Node: Mesenteric			
Autolysis			
<hr/>			
LESION RATES			
OVERALL(a)	0/265 (0%)	0/138 (0%)	0/129 (0%)
POLY-3 RATE (b)	0/215.60	0/109.10	0/101.65
POLY-3 PERCENT (g)	0%	0%	0%
TERMINAL (d)	0/154 (0%)	0/70 (0%)	0/65 (0%)
FIRST INCIDENCE	---	---	---
<hr/>			
STATISTICAL TESTS			
POLY 3	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/24/2014

Time Report Requested: 03:40:58

First Dose M/F: NA / NA

Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
LAST REMOVAL AT 110 WEEKS**

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DOSE	MALE		
	2.5%ETH/0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/30PPMURE
<hr/>			
Lymph Node: Mesenteric			
Hematopoietic Cell Proliferation			
<hr/>			
<b>LESION RATES</b>			
OVERALL(a)	2/265 (1%)	0/138 (0%)	2/129 (2%)
POLY-3 RATE (b)	2/215.83	0/109.10	2/102.65
POLY-3 PERCENT (g)	0.9%	0%	1.9%
TERMINAL (d)	0/154 (0%)	0/70 (0%)	0/65 (0%)
FIRST INCIDENCE	713	---	592
<hr/>			
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.369	P=0.399N	P=0.411
POLY 1.5	P=0.371	P=0.396N	P=0.413
POLY 6	P=0.365	P=0.405N	P=0.407
COCH-ARM / FISHERS	P=0.375	P=0.432N	P=0.397
MAX-ISO-POLY-3	P=0.226	P=0.194N	P=0.257
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/24/2014

Time Report Requested: 03:40:58

First Dose M/F: NA / NA

Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
LAST REMOVAL AT 110 WEEKS**

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DOSE	MALE		
	2.5%ETH/0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/30PPMURE
<b>Lymph Node: Mesenteric Hemorrhage</b>			
<b>LESION RATES</b>			
OVERALL(a)	5/265 (2%)	2/138 (1%)	3/129 (2%)
POLY-3 RATE (b)	5/218.93	2/110.13	3/103.76
POLY-3 PERCENT (g)	2.3%	1.8%	2.9%
TERMINAL (d)	0/154 (0%)	0/70 (0%)	0/65 (0%)
FIRST INCIDENCE	373	552	417
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.476	P=0.550N	P=0.522
POLY 1.5	P=0.482	P=0.544N	P=0.527
POLY 6	P=0.468	P=0.561N	P=0.515
COCH-ARM / FISHERS	P=0.491	P=0.550N	P=0.518
MAX-ISO-POLY-3	P=0.493	P=0.406N	P=0.390
HISTCONT SAME RTE			
HISTCONT ALL RTEs			
CURR VS HC SAME RTE			
CURR VS HC ALL RTEs			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/24/2014

Time Report Requested: 03:40:58

First Dose M/F: NA / NA

Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
LAST REMOVAL AT 110 WEEKS**

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DOSE	MALE		
	2.5%ETH/0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/30PPMURE
<b>Lymph Node: Mesenteric</b>			
<b>Hyperplasia</b>			
<b>LESION RATES</b>			
OVERALL(a)	59/265 (22%)	21/138 (15%)	16/129 (12%)
POLY-3 RATE (b)	59/220.91	21/111.19	16/102.36
POLY-3 PERCENT (g)	26.7%	18.9%	15.6%
TERMINAL (d)	48/154 (31%)	15/70 (21%)	13/65 (20%)
FIRST INCIDENCE	464	466	671
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.010N**	P=0.074N	P=0.019N*
POLY 1.5	P=0.008N**	P=0.068N	P=0.017N*
POLY 6	P=0.012N*	P=0.086N	P=0.023N*
COCH-ARM / FISHERS	P=0.007N**	P=0.059N	P=0.012N*
MAX-ISO-POLY-3	P=0.012N*	P=0.086N	P=0.031N*
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/24/2014

Time Report Requested: 03:40:58

First Dose M/F: NA / NA

Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
LAST REMOVAL AT 110 WEEKS**

DOSE	MALE		
	2.5%ETH/0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/30PPMURE
<b>Lymph Node: Mesenteric</b>			
<b>Infiltration Cellular</b>			
<b>LESION RATES</b>			
OVERALL(a)	7/265 (3%)	3/138 (2%)	4/129 (3%)
POLY-3 RATE (b)	7/217.76	3/109.13	4/102.64
POLY-3 PERCENT (g)	3.2%	2.7%	3.9%
TERMINAL (d)	3/154 (2%)	2/70 (3%)	1/65 (2%)
FIRST INCIDENCE	447	755	570
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.468	P=0.543N	P=0.506
POLY 1.5	P=0.476	P=0.534N	P=0.513
POLY 6	P=0.457	P=0.559N	P=0.497
COCH-ARM / FISHERS	P=0.490	P=0.534N	P=0.511
MAX-ISO-POLY-3	P=0.507	P=0.422N	P=0.395
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/24/2014

Time Report Requested: 03:40:58

First Dose M/F: NA / NA

Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
LAST REMOVAL AT 110 WEEKS**

DOSE	MALE		
	2.5%ETH/0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/30PPMURE
<b>Lymph Node: Renal Hyperplasia</b>			
<b>LESION RATES</b>			
OVERALL(a)	4/77 (5%)	0/34 (0%)	1/50 (2%)
POLY-3 RATE (b)	4/48.42	0/20.53	1/31.52
POLY-3 PERCENT (g)	8.3%	0%	3.2%
TERMINAL (d)	1/23 (4%)	0/11 (0%)	0/14 (0%)
FIRST INCIDENCE	701	---	671
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.193N	P=0.219N	P=0.328N
POLY 1.5	P=0.192N	P=0.217N	P=0.327N
POLY 6	P=0.193N	P=0.225N	P=0.328N
COCH-ARM / FISHERS	P=0.193N	P=0.226N	P=0.344N
MAX-ISO-POLY-3	P=0.169N	P=0.132N	P=0.202N
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			



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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
Test Compound: Urethane + ethanol (combination)  
CAS Number: URETHCOMB

Date Report Requested: 10/24/2014  
Time Report Requested: 03:40:58  
First Dose M/F: NA / NA  
Lab: NCTR

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
LAST REMOVAL AT 110 WEEKS

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DOSE	MALE		
	2.5%ETH/0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/30PPMURE
<hr/>			
Lymph Node: Thoracic			
Hyperplasia			
<hr/>			
LESION RATES			
OVERALL(a)	0/77 (0%)	1/34 (3%)	0/50 (0%)
POLY-3 RATE (b)	0/47.92	1/20.53	0/31.19
POLY-3 PERCENT (g)	0%	4.9%	0%
TERMINAL (d)	0/23 (0%)	1/11 (9%)	0/14 (0%)
FIRST INCIDENCE	---	764(T)	---
<hr/>			
STATISTICAL TESTS			
POLY 3	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

---

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/24/2014

Time Report Requested: 03:40:58

First Dose M/F: NA / NA

Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
LAST REMOVAL AT 110 WEEKS**

---

DOSE	MALE		
	2.5%ETH/0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/30PPMURE
<b>Mammary Gland</b>			
<b>Hyperplasia</b>			
<b>LESION RATES</b>			
OVERALL(a)	0/9 (0%)	0/5 (0%)	0/4 (0%)
POLY-3 RATE (b)	0/6.27	0/4.35	0/3.42
POLY-3 PERCENT (g)	0%	0%	0%
TERMINAL (d)	0/3 (0%)	0/3 (0%)	0/3 (0%)
FIRST INCIDENCE	---	---	---
<b>STATISTICAL TESTS</b>			
POLY 3	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/24/2014

Time Report Requested: 03:40:58

First Dose M/F: NA / NA

Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
LAST REMOVAL AT 110 WEEKS**

---

DOSE	MALE		
	2.5%ETH/0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/30PPMURE
<b>Mammary Gland</b>			
<b>Infiltration Cellular Lymphocytic</b>			
<b>LESION RATES</b>			
OVERALL(a)	0/9 (0%)	0/5 (0%)	0/4 (0%)
POLY-3 RATE (b)	0/6.27	0/4.35	0/3.42
POLY-3 PERCENT (g)	0%	0%	0%
TERMINAL (d)	0/3 (0%)	0/3 (0%)	0/3 (0%)
FIRST INCIDENCE	---	---	---
<b>STATISTICAL TESTS</b>			
POLY 3	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

---

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 Test Compound: Urethane + ethanol (combination)  
 CAS Number: URETHCOMB

Date Report Requested: 10/24/2014  
 Time Report Requested: 03:40:58  
 First Dose M/F: NA / NA  
 Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
 LAST REMOVAL AT 110 WEEKS**

DOSE	MALE		
	2.5%ETH/0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/30PPMURE
<b>Mammary Gland</b>			
<b>Lactation</b>			
<b>LESION RATES</b>			
OVERALL(a)	0/9 (0%)	0/5 (0%)	0/4 (0%)
POLY-3 RATE (b)	0/6.27	0/4.35	0/3.42
POLY-3 PERCENT (g)	0%	0%	0%
TERMINAL (d)	0/3 (0%)	0/3 (0%)	0/3 (0%)
FIRST INCIDENCE	---	---	---
<b>STATISTICAL TESTS</b>			
POLY 3	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
Test Compound: Urethane + ethanol (combination)  
CAS Number: URETHCOMB

Date Report Requested: 10/24/2014  
Time Report Requested: 03:40:58  
First Dose M/F: NA / NA  
Lab: NCTR

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
LAST REMOVAL AT 110 WEEKS

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DOSE	MALE		
	2.5%ETH/0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/30PPMURE
<b>Mammary Gland: Duct Ectasia</b>			
<b>LESION RATES</b>			
OVERALL(a)	0/9 (0%)	0/5 (0%)	0/4 (0%)
POLY-3 RATE (b)	0/6.27	0/4.35	0/3.42
POLY-3 PERCENT (g)	0%	0%	0%
TERMINAL (d)	0/3 (0%)	0/3 (0%)	0/3 (0%)
FIRST INCIDENCE	---	---	---
<b>STATISTICAL TESTS</b>			
POLY 3	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/24/2014

Time Report Requested: 03:40:58

First Dose M/F: NA / NA

Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
LAST REMOVAL AT 110 WEEKS**

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DOSE	MALE		
	2.5%ETH/0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/30PPMURE
<b>Mesentery: Fat</b>			
<b>Necrosis</b>			
<b>LESION RATES</b>			
OVERALL(a)	5/8 (62%)	3/8 (38%)	1/3 (33%)
POLY-3 RATE (b)	5/7.60	3/6.76	1/3.00
POLY-3 PERCENT (g)	65.8%	44.4%	33.3%
TERMINAL (d)	4/6 (67%)	3/4 (75%)	1/3 (33%)
FIRST INCIDENCE	537	764(T)	764(T)
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.241N	P=0.390N	P=0.396N
POLY 1.5	P=0.243N	P=0.352N	P=0.412N
POLY 6	P=0.237N	P=0.455N	P=0.373N
COCH-ARM / FISHERS	P=0.233N	P=0.310N	P=0.424N
MAX-ISO-POLY-3	P=0.290N	P=0.222N	P=0.216N
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/24/2014

Time Report Requested: 03:40:58

First Dose M/F: NA / NA

Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
LAST REMOVAL AT 110 WEEKS**

DOSE	MALE		
	2.5%ETH/0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/30PPMURE
<b>Nose</b>			
<b>Autolysis</b>			
<b>LESION RATES</b>			
OVERALL(a)	0/285 (0%)	0/143 (0%)	0/142 (0%)
POLY-3 RATE (b)	0/225.35	0/111.98	0/108.31
POLY-3 PERCENT (g)	0%	0%	0%
TERMINAL (d)	0/155 (0%)	0/71 (0%)	0/66 (0%)
FIRST INCIDENCE	---	---	---
<b>STATISTICAL TESTS</b>			
POLY 3	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
Test Compound: Urethane + ethanol (combination)  
CAS Number: URETHCOMB

Date Report Requested: 10/24/2014  
Time Report Requested: 03:40:58  
First Dose M/F: NA / NA  
Lab: NCTR

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
LAST REMOVAL AT 110 WEEKS

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DOSE	MALE		
	2.5%ETH/0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/30PPMURE
<hr/>			
Nose			
Fibrous Osteodystrophy			
<hr/>			
LESION RATES			
OVERALL(a)	0/285 (0%)	0/143 (0%)	0/142 (0%)
POLY-3 RATE (b)	0/225.35	0/111.98	0/108.31
POLY-3 PERCENT (g)	0%	0%	0%
TERMINAL (d)	0/155 (0%)	0/71 (0%)	0/66 (0%)
FIRST INCIDENCE	---	---	---
<hr/>			
STATISTICAL TESTS			
POLY 3	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/24/2014

Time Report Requested: 03:40:58

First Dose M/F: NA / NA

Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
LAST REMOVAL AT 110 WEEKS**

DOSE	MALE		
	2.5%ETH/0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/30PPMURE
<b>Nose</b>			
<b>Inflammation</b>			
<b>LESION RATES</b>			
OVERALL(a)	3/285 (1%)	2/143 (1%)	1/142 (1%)
POLY-3 RATE (b)	3/225.90	2/112.31	1/108.31
POLY-3 PERCENT (g)	1.3%	1.8%	0.9%
TERMINAL (d)	1/155 (1%)	1/71 (1%)	1/66 (2%)
FIRST INCIDENCE	646	668	764(T)
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.520N	P=0.561	P=0.586N
POLY 1.5	P=0.512N	P=0.563	P=0.580N
POLY 6	P=0.531N	P=0.554	P=0.594N
COCH-ARM / FISHERS	P=0.501N	P=0.541	P=0.594N
MAX-ISO-POLY-3	P=0.500N	P=0.390	P=0.393N
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
**Test Compound:** Urethane + ethanol (combination)  
**CAS Number:** URETHCOMB

**Date Report Requested:** 10/24/2014  
**Time Report Requested:** 03:40:58  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)**  
**LAST REMOVAL AT 110 WEEKS**

DOSE	MALE		
	2.5%ETH/0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/30PPMURE
<b>Nose: Mucosa</b>			
<b>Cyst</b>			
<b>LESION RATES</b>			
OVERALL(a)	3/285 (1%)	0/143 (0%)	0/142 (0%)
POLY-3 RATE (b)	3/225.35	0/111.98	0/108.31
POLY-3 PERCENT (g)	1.3%	0%	0%
TERMINAL (d)	3/155 (2%)	0/71 (0%)	0/66 (0%)
FIRST INCIDENCE	764(T)	---	---
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.115N	P=0.271N	P=0.280N
POLY 1.5	P=0.113N	P=0.270N	P=0.276N
POLY 6	P=0.118N	P=0.276N	P=0.285N
COCH-ARM / FISHERS	P=0.111N	P=0.294N	P=0.296N
MAX-ISO-POLY-3	P=0.160N	P=0.146N	P=0.153N
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 Test Compound: Urethane + ethanol (combination)  
 CAS Number: URETHCOMB

Date Report Requested: 10/24/2014  
 Time Report Requested: 03:40:58  
 First Dose M/F: NA / NA  
 Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
 LAST REMOVAL AT 110 WEEKS**

DOSE	MALE		
	2.5%ETH/0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/30PPMURE
<b>Nose: Olfactory Epi Cytoplasmic Alteration</b>			
<b>LESION RATES</b>			
OVERALL(a)	98/285 (34%)	23/143 (16%)	10/142 (7%)
POLY-3 RATE (b)	98/247.18	23/115.61	10/109.30
POLY-3 PERCENT (g)	39.6%	19.9%	9.1%
TERMINAL (d)	50/155 (32%)	14/71 (20%)	7/66 (11%)
FIRST INCIDENCE	224	466	553
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.000N**	P=0.000N**	P=0.000N**
POLY 1.5	P=0.000N**	P=0.000N**	P=0.000N**
POLY 6	P=0.000N**	P=0.000N**	P=0.000N**
COCH-ARM / FISHERS	P=0.000N**	P=0.000N**	P=0.000N**
MAX-ISO-POLY-3	P=0.000N**	P=0.001N**	P=0.000N**
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 Test Compound: Urethane + ethanol (combination)  
 CAS Number: URETHCOMB

Date Report Requested: 10/24/2014  
 Time Report Requested: 03:40:58  
 First Dose M/F: NA / NA  
 Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
 LAST REMOVAL AT 110 WEEKS**

DOSE	MALE		
	2.5%ETH/0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/30PPMURE
<b>Nose: Respirat Epith</b>			
<b>Cytoplasmic Alteration</b>			
<b>LESION RATES</b>			
OVERALL(a)	110/285 (39%)	17/143 (12%)	14/142 (10%)
POLY-3 RATE (b)	110/235.98	17/113.88	14/109.70
POLY-3 PERCENT (g)	46.6%	14.9%	12.8%
TERMINAL (d)	70/155 (45%)	11/71 (15%)	9/66 (14%)
FIRST INCIDENCE	453	523	593
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.000N**	P=0.000N**	P=0.000N**
POLY 1.5	P=0.000N**	P=0.000N**	P=0.000N**
POLY 6	P=0.000N**	P=0.000N**	P=0.000N**
COCH-ARM / FISHERS	P=0.000N**	P=0.000N**	P=0.000N**
MAX-ISO-POLY-3	P=0.000N**	P=0.000N**	P=0.000N**
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/24/2014

Time Report Requested: 03:40:58

First Dose M/F: NA / NA

Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
LAST REMOVAL AT 110 WEEKS**

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DOSE	MALE		
	2.5%ETH/0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/30PPMURE
<b>Pancreas</b>			
<b>Angiectasis</b>			
<b>LESION RATES</b>			
OVERALL(a)	0/270 (0%)	0/137 (0%)	0/135 (0%)
POLY-3 RATE (b)	0/220.13	0/109.01	0/106.07
POLY-3 PERCENT (g)	0%	0%	0%
TERMINAL (d)	0/156 (0%)	0/71 (0%)	0/66 (0%)
FIRST INCIDENCE	---	---	---
<b>STATISTICAL TESTS</b>			
POLY 3	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)  
 CAS Number: URETHCOMB

Date Report Requested: 10/24/2014  
 Time Report Requested: 03:40:58  
 First Dose M/F: NA / NA  
 Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
 LAST REMOVAL AT 110 WEEKS**

DOSE	MALE		
	2.5%ETH/0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/30PPMURE
<b>Pancreas</b>			
<b>Autolysis</b>			
<b>LESION RATES</b>			
OVERALL(a)	0/270 (0%)	0/137 (0%)	0/135 (0%)
POLY-3 RATE (b)	0/220.13	0/109.01	0/106.07
POLY-3 PERCENT (g)	0%	0%	0%
TERMINAL (d)	0/156 (0%)	0/71 (0%)	0/66 (0%)
FIRST INCIDENCE	---	---	---
<b>STATISTICAL TESTS</b>			
POLY 3	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 Test Compound: Urethane + ethanol (combination)  
 CAS Number: URETHCOMB

Date Report Requested: 10/24/2014  
 Time Report Requested: 03:40:58  
 First Dose M/F: NA / NA  
 Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
 LAST REMOVAL AT 110 WEEKS**

DOSE	MALE		
	2.5%ETH/0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/30PPMURE
<b>Pancreas</b>			
<b>Infiltration Cellular Lymphocytic</b>			
<b>LESION RATES</b>			
OVERALL(a)	17/270 (6%)	8/137 (6%)	12/135 (9%)
POLY-3 RATE (b)	17/222.11	8/109.01	12/106.39
POLY-3 PERCENT (g)	7.7%	7.3%	11.3%
TERMINAL (d)	13/156 (8%)	8/71 (11%)	11/66 (17%)
FIRST INCIDENCE	466	764(T)	671
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.188	P=0.547N	P=0.192
POLY 1.5	P=0.201	P=0.534N	P=0.205
POLY 6	P=0.172	P=0.570N	P=0.176
COCH-ARM / FISHERS	P=0.222	P=0.523N	P=0.224
MAX-ISO-POLY-3	P=0.232	P=0.465N	P=0.179
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/24/2014

Time Report Requested: 03:40:58

First Dose M/F: NA / NA

Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
LAST REMOVAL AT 110 WEEKS**

---

DOSE	MALE		
	2.5%ETH/0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/30PPMURE
<b>Pancreas: Acinar Cell</b>			
<b>Atrophy</b>			
<b>LESION RATES</b>			
OVERALL(a)	3/270 (1%)	1/137 (1%)	1/135 (1%)
POLY-3 RATE (b)	3/220.16	1/109.11	1/106.47
POLY-3 PERCENT (g)	1.4%	0.9%	0.9%
TERMINAL (d)	2/156 (1%)	0/71 (0%)	0/66 (0%)
FIRST INCIDENCE	757	739	643
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.459N	P=0.574N	P=0.583N
POLY 1.5	P=0.453N	P=0.570N	P=0.578N
POLY 6	P=0.466N	P=0.580N	P=0.589N
COCH-ARM / FISHERS	P=0.445N	P=0.587N	P=0.593N
MAX-ISO-POLY-3	P=0.526N	P=0.383N	P=0.391N
HISTCONT SAME RTE			
HISTCONT ALL RTEs			
CURR VS HC SAME RTE			
CURR VS HC ALL RTEs			

---



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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
Test Compound: Urethane + ethanol (combination)  
CAS Number: URETHCOMB

Date Report Requested: 10/24/2014  
Time Report Requested: 03:40:58  
First Dose M/F: NA / NA  
Lab: NCTR

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
LAST REMOVAL AT 110 WEEKS

---

DOSE	MALE		
	2.5%ETH/0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/30PPMURE
<b>Pancreas: Acinar Cell</b>			
<b>Vacuolization Cytoplasmic</b>			
<b>LESION RATES</b>			
OVERALL(a)	4/270 (1%)	2/137 (1%)	3/135 (2%)
POLY-3 RATE (b)	4/220.60	2/109.01	3/106.47
POLY-3 PERCENT (g)	1.8%	1.8%	2.8%
TERMINAL (d)	2/156 (1%)	2/71 (3%)	0/66 (0%)
FIRST INCIDENCE	696	764(T)	710
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.366	P=0.663	P=0.429
POLY 1.5	P=0.372	P=0.668	P=0.436
POLY 6	P=0.357	P=0.654	P=0.420
COCH-ARM / FISHERS	P=0.382	P=0.657	P=0.429
MAX-ISO-POLY-3	P=0.424	P=0.496	P=0.308
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

---

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
Test Compound: Urethane + ethanol (combination)  
CAS Number: URETHCOMB

Date Report Requested: 10/24/2014  
Time Report Requested: 03:40:58  
First Dose M/F: NA / NA  
Lab: NCTR

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
LAST REMOVAL AT 110 WEEKS

---

DOSE	MALE		
	2.5%ETH/0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/30PPMURE
<b>Parathyroid Gland</b>			
<b>Autolysis</b>			
<b>LESION RATES</b>			
OVERALL(a)	0/208 (0%)	0/121 (0%)	0/116 (0%)
POLY-3 RATE (b)	0/165.07	0/94.55	0/87.61
POLY-3 PERCENT (g)	0%	0%	0%
TERMINAL (d)	0/121 (0%)	0/64 (0%)	0/52 (0%)
FIRST INCIDENCE	---	---	---
<b>STATISTICAL TESTS</b>			
POLY 3	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

---

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/24/2014

Time Report Requested: 03:40:58

First Dose M/F: NA / NA

Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
LAST REMOVAL AT 110 WEEKS**

DOSE	MALE		
	2.5%ETH/0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/30PPMURE
<b>Parathyroid Gland</b>			
<b>Cyst</b>			
<b>LESION RATES</b>			
OVERALL(a)	4/208 (2%)	3/121 (2%)	2/116 (2%)
POLY-3 RATE (b)	4/166.53	3/95.35	2/87.67
POLY-3 PERCENT (g)	2.4%	3.1%	2.3%
TERMINAL (d)	2/121 (2%)	1/64 (2%)	1/52 (2%)
FIRST INCIDENCE	474	617	748
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.575	P=0.515	P=0.644N
POLY 1.5	P=0.577N	P=0.519	P=0.634N
POLY 6	P=0.559	P=0.507	P=0.658N
COCH-ARM / FISHERS	P=0.558N	P=0.509	P=0.698
MAX-ISO-POLY-3	P=0.592N	P=0.376	P=0.480N
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)  
 CAS Number: URETHCOMB

Date Report Requested: 10/24/2014  
 Time Report Requested: 03:40:58  
 First Dose M/F: NA / NA  
 Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
 LAST REMOVAL AT 110 WEEKS**

DOSE	MALE		
	2.5%ETH/0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/30PPMURE
<b>Parathyroid Gland</b>			
<b>Infiltration Cellular Lymphocytic</b>			
<b>LESION RATES</b>			
OVERALL(a)	2/208 (1%)	1/121 (1%)	1/116 (1%)
POLY-3 RATE (b)	2/165.70	1/94.55	1/87.80
POLY-3 PERCENT (g)	1.2%	1.1%	1.1%
TERMINAL (d)	1/121 (1%)	1/64 (2%)	0/52 (0%)
FIRST INCIDENCE	548	764(T)	711
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.597N	P=0.689N	P=0.711N
POLY 1.5	P=0.589N	P=0.686N	P=0.705N
POLY 6	P=0.608N	P=0.695N	P=0.719N
COCH-ARM / FISHERS	P=0.579N	P=0.749	P=0.737
MAX-ISO-POLY-3	P=0.636N	P=0.462N	P=0.484N
HISTCONT SAME RTE			
HISTCONT ALL RTEs			
CURR VS HC SAME RTE			
CURR VS HC ALL RTEs			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 Test Compound: Urethane + ethanol (combination)  
 CAS Number: URETHCOMB

Date Report Requested: 10/24/2014  
 Time Report Requested: 03:40:58  
 First Dose M/F: NA / NA  
 Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
 LAST REMOVAL AT 110 WEEKS**

DOSE	MALE		
	2.5%ETH/0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/30PPMURE
<b>Penis</b>			
<b>Inflammation Chronic</b>			
<b>LESION RATES</b>			
OVERALL(a)	3/4 (75%)	3/4 (75%)	0/2 (0%)
POLY-3 RATE (b)	3/3.21	3/3.00	0/2.00
POLY-3 PERCENT (g)	93.5%	100%	0%
TERMINAL (d)	0/0 (0%)	0/0 (0%)	0/2 (0%)
FIRST INCIDENCE	141	114	---
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.000N**	P=1.000	P=0.009N**
POLY 1.5	P=0.003N**	P=0.890	P=0.044N*
POLY 6	P=0.000N**	P=1.000	P=0.001N**
COCH-ARM / FISHERS	P=0.131N	P=0.786N	P=0.200N
MAX-ISO-POLY-3	P=0.000N**	P=0.211	P=0.000N**
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/24/2014

Time Report Requested: 03:40:58

First Dose M/F: NA / NA

Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
LAST REMOVAL AT 110 WEEKS**

DOSE	MALE		
	2.5%ETH/0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/30PPMURE
<b>Peripheral Nerve Degeneration</b>			
<b>LESION RATES</b>			
OVERALL(a)	26/285 (9%)	18/143 (13%)	9/143 (6%)
POLY-3 RATE (b)	26/225.57	18/112.13	9/108.88
POLY-3 PERCENT (g)	11.5%	16.1%	8.3%
TERMINAL (d)	24/155 (15%)	16/71 (23%)	7/66 (11%)
FIRST INCIDENCE	746	735	710
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.326N	P=0.159	P=0.236N
POLY 1.5	P=0.308N	P=0.165	P=0.223N
POLY 6	P=0.354N	P=0.145	P=0.253N
COCH-ARM / FISHERS	P=0.282N	P=0.172	P=0.208N
MAX-ISO-POLY-3	P=0.195N	P=0.157	P=0.218N
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 Test Compound: Urethane + ethanol (combination)  
 CAS Number: URETHCOMB

Date Report Requested: 10/24/2014  
 Time Report Requested: 03:40:58  
 First Dose M/F: NA / NA  
 Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
 LAST REMOVAL AT 110 WEEKS**

DOSE	MALE		
	2.5%ETH/0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/30PPMURE
<b>Pituitary Gland</b>			
<b>Angiectasis</b>			
<b>LESION RATES</b>			
OVERALL(a)	0/239 (0%)	0/125 (0%)	0/123 (0%)
POLY-3 RATE (b)	0/196.17	0/99.81	0/96.95
POLY-3 PERCENT (g)	0%	0%	0%
TERMINAL (d)	0/141 (0%)	0/69 (0%)	0/60 (0%)
FIRST INCIDENCE	---	---	---
<b>STATISTICAL TESTS</b>			
POLY 3	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)  
 CAS Number: URETHCOMB

Date Report Requested: 10/24/2014  
 Time Report Requested: 03:40:58  
 First Dose M/F: NA / NA  
 Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
 LAST REMOVAL AT 110 WEEKS**

DOSE	MALE		
	2.5%ETH/0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/30PPMURE
<b>Pituitary Gland</b>			
<b>Cyst</b>			
<b>LESION RATES</b>			
OVERALL(a)	0/239 (0%)	0/125 (0%)	0/123 (0%)
POLY-3 RATE (b)	0/196.17	0/99.81	0/96.95
POLY-3 PERCENT (g)	0%	0%	0%
TERMINAL (d)	0/141 (0%)	0/69 (0%)	0/60 (0%)
FIRST INCIDENCE	---	---	---
<b>STATISTICAL TESTS</b>			
POLY 3	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			



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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)  
 CAS Number: URETHCOMB

Date Report Requested: 10/24/2014  
 Time Report Requested: 03:40:58  
 First Dose M/F: NA / NA  
 Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
 LAST REMOVAL AT 110 WEEKS**

DOSE	MALE		
	2.5%ETH/0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/30PPMURE
<b>Pituitary Gland: Pars Distalis</b>			
<b>Cyst</b>			
<b>LESION RATES</b>			
OVERALL(a)	4/239 (2%)	4/125 (3%)	5/123 (4%)
POLY-3 RATE (b)	4/196.59	4/100.93	5/97.88
POLY-3 PERCENT (g)	2%	4%	5.1%
TERMINAL (d)	2/141 (1%)	2/69 (3%)	2/60 (3%)
FIRST INCIDENCE	703	528	542
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.101	P=0.277	P=0.140
POLY 1.5	P=0.106	P=0.278	P=0.146
POLY 6	P=0.095	P=0.273	P=0.132
COCH-ARM / FISHERS	P=0.111	P=0.278	P=0.152
MAX-ISO-POLY-3	P=0.140	P=0.201	P=0.108
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/24/2014

Time Report Requested: 03:40:58

First Dose M/F: NA / NA

Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
 LAST REMOVAL AT 110 WEEKS**

DOSE	MALE		
	2.5%ETH/0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/30PPMURE
<b>Pituitary Gland: Pars Distalis</b>			
<b>Hyperplasia</b>			
<b>LESION RATES</b>			
OVERALL(a)	0/239 (0%)	0/125 (0%)	0/123 (0%)
POLY-3 RATE (b)	0/196.17	0/99.81	0/96.95
POLY-3 PERCENT (g)	0%	0%	0%
TERMINAL (d)	0/141 (0%)	0/69 (0%)	0/60 (0%)
FIRST INCIDENCE	---	---	---
<b>STATISTICAL TESTS</b>			
POLY 3	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/24/2014

Time Report Requested: 03:40:58

First Dose M/F: NA / NA

Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
LAST REMOVAL AT 110 WEEKS**

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DOSE	MALE		
	2.5%ETH/0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/30PPMURE
<hr/>			
Preputial Gland			
Atrophy			
<hr/>			
<b>LESION RATES</b>			
OVERALL(a)	101/266 (38%)	63/136 (46%)	59/135 (44%)
POLY-3 RATE (b)	101/232.80	63/122.79	59/119.07
POLY-3 PERCENT (g)	43.4%	51.3%	49.6%
TERMINAL (d)	40/149 (27%)	18/67 (27%)	18/65 (28%)
FIRST INCIDENCE	130	246	296
<hr/>			
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.109	P=0.090	P=0.158
POLY 1.5	P=0.103	P=0.076	P=0.154
POLY 6	P=0.120	P=0.107	P=0.169
COCH-ARM / FISHERS	P=0.104	P=0.066	P=0.159
MAX-ISO-POLY-3	P=0.151	P=0.101	P=0.166
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

---

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/24/2014

Time Report Requested: 03:40:58

First Dose M/F: NA / NA

Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
LAST REMOVAL AT 110 WEEKS**

---

DOSE	MALE		
	2.5%ETH/0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/30PPMURE
<hr/>			
Preputial Gland			
Cyst			
<hr/>			
<b>LESION RATES</b>			
OVERALL(a)	2/266 (1%)	4/136 (3%)	5/135 (4%)
POLY-3 RATE (b)	2/214.30	4/107.96	5/105.85
POLY-3 PERCENT (g)	0.9%	3.7%	4.7%
TERMINAL (d)	1/149 (1%)	2/67 (3%)	2/65 (3%)
FIRST INCIDENCE	537	114	210
<hr/>			
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.025*	P=0.097	P=0.038*
POLY 1.5	P=0.027*	P=0.099	P=0.040*
POLY 6	P=0.024*	P=0.092	P=0.036*
COCH-ARM / FISHERS	P=0.028*	P=0.103	P=0.046*
MAX-ISO-POLY-3	P=0.033*	P=0.067	P=0.031*
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

---

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/24/2014

Time Report Requested: 03:40:58

First Dose M/F: NA / NA

Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
LAST REMOVAL AT 110 WEEKS**

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DOSE	MALE		
	2.5%ETH/0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/30PPMURE
<hr/>			
Preputial Gland			
Dilatation			
<hr/>			
<b>LESION RATES</b>			
OVERALL(a)	88/266 (33%)	46/136 (34%)	44/135 (33%)
POLY-3 RATE (b)	88/222.50	46/110.01	44/113.30
POLY-3 PERCENT (g)	39.6%	41.8%	38.8%
TERMINAL (d)	69/149 (46%)	36/67 (54%)	27/65 (42%)
FIRST INCIDENCE	473	382	299
<hr/>			
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.504N	P=0.389	P=0.496N
POLY 1.5	P=0.490N	P=0.429	P=0.489N
POLY 6	P=0.516	P=0.329	P=0.516N
COCH-ARM / FISHERS	P=0.497N	P=0.484	P=0.507N
MAX-ISO-POLY-3	P=0.557N	P=0.365	P=0.455N
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)  
 CAS Number: URETHCOMB

Date Report Requested: 10/24/2014  
 Time Report Requested: 03:40:58  
 First Dose M/F: NA / NA  
 Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
 LAST REMOVAL AT 110 WEEKS**

DOSE	MALE		
	2.5%ETH/0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/30PPMURE
<b>Preputial Gland</b>			
<b>Hyperplasia</b>			
<b>LESION RATES</b>			
OVERALL(a)	0/266 (0%)	0/136 (0%)	2/135 (1%)
POLY-3 RATE (b)	0/213.65	0/105.97	2/105.49
POLY-3 PERCENT (g)	0%	0%	1.9%
TERMINAL (d)	0/149 (0%)	0/67 (0%)	1/65 (2%)
FIRST INCIDENCE	---	---	296
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.043*	(e)	P=0.103
POLY 1.5	P=0.044*	(e)	P=0.105
POLY 6	P=0.043*	(e)	P=0.101
COCH-ARM / FISHERS	P=0.045*	(e)	P=0.113
MAX-ISO-POLY-3	P=0.029*	(e)	P=0.042*
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 Test Compound: Urethane + ethanol (combination)  
 CAS Number: URETHCOMB

Date Report Requested: 10/24/2014  
 Time Report Requested: 03:40:58  
 First Dose M/F: NA / NA  
 Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
 LAST REMOVAL AT 110 WEEKS**

DOSE	MALE		
	2.5%ETH/0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/30PPMURE
<b>Preputial Gland</b>			
<b>Inflammation Acute</b>			
<b>LESION RATES</b>			
OVERALL(a)	13/266 (5%)	4/136 (3%)	1/135 (1%)
POLY-3 RATE (b)	13/219.85	4/107.18	1/104.55
POLY-3 PERCENT (g)	5.9%	3.7%	1%
TERMINAL (d)	2/149 (1%)	2/67 (3%)	1/65 (2%)
FIRST INCIDENCE	306	426	764(T)
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.026N*	P=0.286N	P=0.040N*
POLY 1.5	P=0.023N*	P=0.274N	P=0.037N*
POLY 6	P=0.030N*	P=0.304N	P=0.045N*
COCH-ARM / FISHERS	P=0.020N*	P=0.262N	P=0.024N*
MAX-ISO-POLY-3	P=0.034N*	P=0.239N	P=0.042N*
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/24/2014

Time Report Requested: 03:40:58

First Dose M/F: NA / NA

Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
LAST REMOVAL AT 110 WEEKS**

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DOSE	MALE		
	2.5%ETH/0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/30PPMURE
<hr/>			
Preputial Gland			
Inflammation Chronic			
<hr/>			
<b>LESION RATES</b>			
OVERALL(a)	111/266 (42%)	40/136 (29%)	48/135 (36%)
POLY-3 RATE (b)	111/226.50	40/111.86	48/108.15
POLY-3 PERCENT (g)	49%	35.8%	44.4%
TERMINAL (d)	71/149 (48%)	24/67 (36%)	30/65 (46%)
FIRST INCIDENCE	98	395	570
<hr/>			
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.119N	P=0.012N*	P=0.246N
POLY 1.5	P=0.094N	P=0.011N*	P=0.198N
POLY 6	P=0.157N	P=0.017N*	P=0.309N
COCH-ARM / FISHERS	P=0.066N	P=0.010N**	P=0.139N
MAX-ISO-POLY-3	P=0.122N	P=0.022N*	P=0.247N
HISTCONT SAME RTE			
HISTCONT ALL RTEs			
CURR VS HC SAME RTE			
CURR VS HC ALL RTEs			

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
Test Compound: Urethane + ethanol (combination)  
CAS Number: URETHCOMB

Date Report Requested: 10/24/2014  
Time Report Requested: 03:40:58  
First Dose M/F: NA / NA  
Lab: NCTR

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
LAST REMOVAL AT 110 WEEKS

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DOSE	MALE		
	2.5%ETH/0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/30PPMURE
Prostate			
Atrophy			
<b>LESION RATES</b>			
OVERALL(a)	9/273 (3%)	4/138 (3%)	7/139 (5%)
POLY-3 RATE (b)	9/221.92	4/108.72	7/106.37
POLY-3 PERCENT (g)	4.1%	3.7%	6.6%
TERMINAL (d)	2/152 (1%)	0/67 (0%)	1/63 (2%)
FIRST INCIDENCE	493	638	614
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.225	P=0.554N	P=0.238
POLY 1.5	P=0.237	P=0.544N	P=0.251
POLY 6	P=0.212	P=0.570N	P=0.224
COCH-ARM / FISHERS	P=0.258	P=0.544N	P=0.271
MAX-ISO-POLY-3	P=0.254	P=0.444N	P=0.201
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)  
 CAS Number: URETHCOMB

Date Report Requested: 10/24/2014  
 Time Report Requested: 03:40:58  
 First Dose M/F: NA / NA  
 Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
 LAST REMOVAL AT 110 WEEKS**

DOSE	MALE		
	2.5%ETH/0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/30PPMURE
<b>Prostate</b>			
<b>Infiltration Cellular Lymphocytic</b>			
<b>LESION RATES</b>			
OVERALL(a)	7/273 (3%)	2/138 (1%)	0/139 (0%)
POLY-3 RATE (b)	7/221.38	2/108.60	0/104.94
POLY-3 PERCENT (g)	3.2%	1.8%	0%
TERMINAL (d)	3/152 (2%)	1/67 (1%)	0/63 (0%)
FIRST INCIDENCE	466	552	---
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.049N*	P=0.371N	P=0.078N
POLY 1.5	P=0.046N*	P=0.363N	P=0.073N
POLY 6	P=0.054N	P=0.384N	P=0.084N
COCH-ARM / FISHERS	P=0.041N*	P=0.369N	P=0.055N
MAX-ISO-POLY-3	P=0.066N	P=0.277N	P=0.061N
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Test Compound: Urethane + ethanol (combination)  
 CAS Number: URETHCOMB

Date Report Requested: 10/24/2014  
 Time Report Requested: 03:40:58  
 First Dose M/F: NA / NA  
 Lab: NCTR

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
 LAST REMOVAL AT 110 WEEKS

DOSE	MALE		
	2.5%ETH/0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/30PPMURE
<b>Prostate</b>			
<b>Inflammation Acute</b>			
<b>LESION RATES</b>			
OVERALL(a)	93/273 (34%)	27/138 (20%)	37/139 (27%)
POLY-3 RATE (b)	93/233.35	27/111.36	37/112.60
POLY-3 PERCENT (g)	39.9%	24.2%	32.9%
TERMINAL (d)	66/152 (43%)	18/67 (27%)	22/63 (35%)
FIRST INCIDENCE	111	154	138
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.042N*	P=0.003N**	P=0.124N
POLY 1.5	P=0.035N*	P=0.002N**	P=0.108N
POLY 6	P=0.052N	P=0.004N**	P=0.145N
COCH-ARM / FISHERS	P=0.025N*	P=0.001N**	P=0.076N
MAX-ISO-POLY-3	P=0.047N*	P=0.007N**	P=0.139N
HISTCONT SAME RTE			
HISTCONT ALL RTEs			
CURR VS HC SAME RTE			
CURR VS HC ALL RTEs			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/24/2014

Time Report Requested: 03:40:58

First Dose M/F: NA / NA

Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
LAST REMOVAL AT 110 WEEKS**

DOSE	MALE		
	2.5%ETH/0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/30PPMURE
<b>Prostate</b>			
<b>Inflammation Chronic</b>			
<b>LESION RATES</b>			
OVERALL(a)	1/273 (0%)	1/138 (1%)	3/139 (2%)
POLY-3 RATE (b)	1/219.73	1/107.98	3/105.42
POLY-3 PERCENT (g)	0.5%	0.9%	2.8%
TERMINAL (d)	1/152 (1%)	1/67 (1%)	2/63 (3%)
FIRST INCIDENCE	764(T)	764(T)	614
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.065	P=0.594	P=0.100
POLY 1.5	P=0.067	P=0.598	P=0.104
POLY 6	P=0.063	P=0.588	P=0.096
COCH-ARM / FISHERS	P=0.071	P=0.559	P=0.114
MAX-ISO-POLY-3	P=0.074	P=0.330	P=0.061
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/24/2014

Time Report Requested: 03:40:58

First Dose M/F: NA / NA

Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
LAST REMOVAL AT 110 WEEKS**

DOSE	MALE		
	2.5%ETH/0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/30PPMURE
<b>Prostate: Epithelium Hyperplasia</b>			
<b>LESION RATES</b>			
OVERALL(a)	2/273 (1%)	3/138 (2%)	0/139 (0%)
POLY-3 RATE (b)	2/219.73	3/109.63	0/104.94
POLY-3 PERCENT (g)	0.9%	2.7%	0%
TERMINAL (d)	2/152 (1%)	1/67 (1%)	0/63 (0%)
FIRST INCIDENCE	764(T)	123	---
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.480N	P=0.213	P=0.413N
POLY 1.5	P=0.465N	P=0.216	P=0.407N
POLY 6	P=0.496N	P=0.206	P=0.420N
COCH-ARM / FISHERS	P=0.439N	P=0.212	P=0.439N
MAX-ISO-POLY-3	P=0.218N	P=0.136	P=0.205N
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/24/2014

Time Report Requested: 03:40:58

First Dose M/F: NA / NA

Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
LAST REMOVAL AT 110 WEEKS**

DOSE	MALE		
	2.5%ETH/0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/30PPMURE
<b>Salivary Glands</b>			
<b>Atrophy</b>			
<b>LESION RATES</b>			
OVERALL(a)	22/283 (8%)	6/142 (4%)	13/144 (9%)
POLY-3 RATE (b)	22/227.59	6/112.88	13/111.46
POLY-3 PERCENT (g)	9.7%	5.3%	11.7%
TERMINAL (d)	13/156 (8%)	2/71 (3%)	4/66 (6%)
FIRST INCIDENCE	580	593	507
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.427	P=0.121N	P=0.353
POLY 1.5	P=0.440	P=0.119N	P=0.371
POLY 6	P=0.408	P=0.128N	P=0.333
COCH-ARM / FISHERS	P=0.460	P=0.116N	P=0.391
MAX-ISO-POLY-3	P=0.262	P=0.118N	P=0.314
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/24/2014

Time Report Requested: 03:40:58

First Dose M/F: NA / NA

Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
LAST REMOVAL AT 110 WEEKS**

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DOSE	MALE		
	2.5%ETH/0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/30PPMURE
<b>Salivary Glands</b>			
<b>Infiltration Cellular Lymphocytic</b>			
<b>LESION RATES</b>			
OVERALL(a)	207/283 (73%)	94/142 (66%)	88/144 (61%)
POLY-3 RATE (b)	207/250.06	94/123.59	88/118.84
POLY-3 PERCENT (g)	82.8%	76.1%	74%
TERMINAL (d)	137/156 (88%)	58/71 (82%)	59/66 (89%)
FIRST INCIDENCE	432	362	467
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.015N*	P=0.063N	P=0.024N*
POLY 1.5	P=0.008N**	P=0.063N	P=0.012N*
POLY 6	P=0.037N*	P=0.082N	P=0.061N
COCH-ARM / FISHERS	P=0.005N**	P=0.085N	P=0.008N**
MAX-ISO-POLY-3	P=0.019N*	P=0.074N	P=0.036N*
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)  
 CAS Number: URETHCOMB

Date Report Requested: 10/24/2014  
 Time Report Requested: 03:40:58  
 First Dose M/F: NA / NA  
 Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
 LAST REMOVAL AT 110 WEEKS**

DOSE	MALE		
	2.5%ETH/0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/30PPMURE
<b>Seminal Vesicle</b>			
<b>Atrophy</b>			
<b>LESION RATES</b>			
OVERALL(a)	23/280 (8%)	23/141 (16%)	18/140 (13%)
POLY-3 RATE (b)	23/228.07	23/115.28	18/111.61
POLY-3 PERCENT (g)	10.1%	20%	16.1%
TERMINAL (d)	8/156 (5%)	10/71 (14%)	3/66 (5%)
FIRST INCIDENCE	515	362	542
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.036*	P=0.008**	P=0.076
POLY 1.5	P=0.039*	P=0.009**	P=0.081
POLY 6	P=0.033*	P=0.008**	P=0.071
COCH-ARM / FISHERS	P=0.047*	P=0.011*	P=0.092
MAX-ISO-POLY-3	P=0.047*	P=0.013*	P=0.084
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			



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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/24/2014

Time Report Requested: 03:40:58

First Dose M/F: NA / NA

Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
LAST REMOVAL AT 110 WEEKS**

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DOSE	MALE		
	2.5%ETH/0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/30PPMURE
<hr/>			
Seminal Vesicle			
Dilatation			
<hr/>			
LESION RATES			
OVERALL(a)	11/280 (4%)	0/141 (0%)	7/140 (5%)
POLY-3 RATE (b)	11/225.82	0/110.78	7/109.50
POLY-3 PERCENT (g)	4.9%	0%	6.4%
TERMINAL (d)	6/156 (4%)	0/71 (0%)	4/66 (6%)
FIRST INCIDENCE	306	---	299
<hr/>			
STATISTICAL TESTS			
POLY 3	P=0.485	P=0.021N*	P=0.375
POLY 1.5	P=0.492	P=0.020N*	P=0.385
POLY 6	P=0.474	P=0.022N*	P=0.361
COCH-ARM / FISHERS	P=0.501	P=0.011N*	P=0.390
MAX-ISO-POLY-3	P=0.168	P=0.021N*	P=0.310
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/24/2014

Time Report Requested: 03:40:58

First Dose M/F: NA / NA

Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
LAST REMOVAL AT 110 WEEKS**

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DOSE	MALE		
	2.5%ETH/0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/30PPMURE
<b>Seminal Vesicle</b>			
<b>Infiltration Cellular Lymphocytic</b>			
<b>LESION RATES</b>			
OVERALL(a)	3/280 (1%)	1/141 (1%)	2/140 (1%)
POLY-3 RATE (b)	3/223.31	1/110.78	2/108.52
POLY-3 PERCENT (g)	1.3%	0.9%	1.8%
TERMINAL (d)	3/156 (2%)	1/71 (1%)	1/66 (2%)
FIRST INCIDENCE	764(T)	764(T)	507
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.492	P=0.573N	P=0.551
POLY 1.5	P=0.496	P=0.571N	P=0.556
POLY 6	P=0.485	P=0.579N	P=0.544
COCH-ARM / FISHERS	P=0.501	P=0.590N	P=0.540
MAX-ISO-POLY-3	P=0.472	P=0.382N	P=0.383
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/24/2014

Time Report Requested: 03:40:58

First Dose M/F: NA / NA

Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
LAST REMOVAL AT 110 WEEKS**

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DOSE	MALE		
	2.5%ETH/0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/30PPMURE
<hr/>			
<b>Seminal Vesicle</b>			
<b>Inflammation Acute</b>			
<hr/>			
<b>LESION RATES</b>			
OVERALL(a)	5/280 (2%)	1/141 (1%)	3/140 (2%)
POLY-3 RATE (b)	5/227.58	1/111.77	3/110.09
POLY-3 PERCENT (g)	2.2%	0.9%	2.7%
TERMINAL (d)	0/156 (0%)	0/71 (0%)	0/66 (0%)
FIRST INCIDENCE	306	154	138
<hr/>			
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.528	P=0.339N	P=0.533
POLY 1.5	P=0.534	P=0.334N	P=0.541
POLY 6	P=0.519	P=0.347N	P=0.523
COCH-ARM / FISHERS	P=0.541	P=0.346N	P=0.533
MAX-ISO-POLY-3	P=0.427	P=0.232N	P=0.399
<hr/>			
<b>HISTCONT SAME RTE</b>			
<b>HISTCONT ALL RTES</b>			
<b>CURR VS HC SAME RTE</b>			
<b>CURR VS HC ALL RTES</b>			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/24/2014

Time Report Requested: 03:40:58

First Dose M/F: NA / NA

Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
LAST REMOVAL AT 110 WEEKS**

DOSE	MALE		
	2.5%ETH/0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/30PPMURE
<b>Seminal Vesicle</b>			
<b>Inflammation Chronic</b>			
<b>LESION RATES</b>			
OVERALL(a)	1/280 (0%)	4/141 (3%)	3/140 (2%)
POLY-3 RATE (b)	1/223.31	4/111.66	3/108.69
POLY-3 PERCENT (g)	0.4%	3.6%	2.8%
TERMINAL (d)	1/156 (1%)	3/71 (4%)	2/66 (3%)
FIRST INCIDENCE	764(T)	382	384
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.061	P=0.039*	P=0.102
POLY 1.5	P=0.063	P=0.040*	P=0.104
POLY 6	P=0.058	P=0.038*	P=0.098
COCH-ARM / FISHERS	P=0.066	P=0.045*	P=0.110
MAX-ISO-POLY-3	P=0.082	P=0.027*	P=0.060
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)  
 CAS Number: URETHCOMB

Date Report Requested: 10/24/2014  
 Time Report Requested: 03:40:58  
 First Dose M/F: NA / NA  
 Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
 LAST REMOVAL AT 110 WEEKS**

DOSE	MALE		
	2.5%ETH/0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/30PPMURE
<b>Skeletal Muscle</b>			
<b>Infiltration Cellular Lymphocytic</b>			
<b>LESION RATES</b>			
OVERALL(a)	15/287 (5%)	4/143 (3%)	2/143 (1%)
POLY-3 RATE (b)	15/226.65	4/111.98	2/108.63
POLY-3 PERCENT (g)	6.6%	3.6%	1.8%
TERMINAL (d)	12/156 (8%)	4/71 (6%)	2/66 (3%)
FIRST INCIDENCE	728	764(T)	764(T)
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.030N*	P=0.185N	P=0.055N
POLY 1.5	P=0.028N*	P=0.183N	P=0.052N
POLY 6	P=0.033N*	P=0.195N	P=0.060N
COCH-ARM / FISHERS	P=0.026N*	P=0.184N	P=0.042N*
MAX-ISO-POLY-3	P=0.039N*	P=0.162N	P=0.056N
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/24/2014

Time Report Requested: 03:40:58

First Dose M/F: NA / NA

Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
 LAST REMOVAL AT 110 WEEKS**

DOSE	MALE		
	2.5%ETH/0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/30PPMURE
<b>Skeletal Muscle</b>			
<b>Necrosis</b>			
<b>LESION RATES</b>			
OVERALL(a)	1/287 (0%)	0/143 (0%)	3/143 (2%)
POLY-3 RATE (b)	1/226.96	0/111.98	3/110.19
POLY-3 PERCENT (g)	0.4%	0%	2.7%
TERMINAL (d)	0/156 (0%)	0/71 (0%)	0/66 (0%)
FIRST INCIDENCE	599	---	177
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.063	P=0.641N	P=0.101
POLY 1.5	P=0.064	P=0.639N	P=0.103
POLY 6	P=0.062	P=0.644N	P=0.098
COCH-ARM / FISHERS	P=0.065	P=0.667N	P=0.109
MAX-ISO-POLY-3	P=0.037*	P=0.273N	P=0.060
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
Test Compound: Urethane + ethanol (combination)  
CAS Number: URETHCOMB

Date Report Requested: 10/24/2014  
Time Report Requested: 03:40:58  
First Dose M/F: NA / NA  
Lab: NCTR

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
LAST REMOVAL AT 110 WEEKS

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DOSE	MALE		
	2.5%ETH/0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/30PPMURE
<hr/>			
Skin			
Autolysis			
<hr/>			
LESION RATES			
OVERALL(a)	0/286 (0%)	0/141 (0%)	0/140 (0%)
POLY-3 RATE (b)	0/225.99	0/110.37	0/107.78
POLY-3 PERCENT (g)	0%	0%	0%
TERMINAL (d)	0/156 (0%)	0/70 (0%)	0/66 (0%)
FIRST INCIDENCE	---	---	---
<hr/>			
STATISTICAL TESTS			
POLY 3	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/24/2014

Time Report Requested: 03:40:58

First Dose M/F: NA / NA

Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
LAST REMOVAL AT 110 WEEKS**

DOSE	MALE		
	2.5%ETH/0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/30PPMURE
<b>Skin</b>			
<b>Edema</b>			
<b>LESION RATES</b>			
OVERALL(a)	6/286 (2%)	4/141 (3%)	4/140 (3%)
POLY-3 RATE (b)	6/227.29	4/111.89	4/109.70
POLY-3 PERCENT (g)	2.6%	3.6%	3.6%
TERMINAL (d)	1/156 (1%)	0/70 (0%)	0/66 (0%)
FIRST INCIDENCE	432	536	138
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.351	P=0.445	P=0.434
POLY 1.5	P=0.356	P=0.447	P=0.439
POLY 6	P=0.343	P=0.439	P=0.426
COCH-ARM / FISHERS	P=0.359	P=0.432	P=0.428
MAX-ISO-POLY-3	P=0.463	P=0.340	P=0.331
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			



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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/24/2014

Time Report Requested: 03:40:58

First Dose M/F: NA / NA

Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
LAST REMOVAL AT 110 WEEKS**

DOSE	MALE		
	2.5%ETH/0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/30PPMURE
<b>Skin</b>			
<b>Erosion</b>			
<b>LESION RATES</b>			
OVERALL(a)	3/286 (1%)	4/141 (3%)	0/140 (0%)
POLY-3 RATE (b)	3/227.27	4/113.03	0/107.78
POLY-3 PERCENT (g)	1.3%	3.5%	0%
TERMINAL (d)	1/156 (1%)	0/70 (0%)	0/66 (0%)
FIRST INCIDENCE	320	154	---
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.396N	P=0.170	P=0.283N
POLY 1.5	P=0.387N	P=0.170	P=0.279N
POLY 6	P=0.410N	P=0.166	P=0.289N
COCH-ARM / FISHERS	P=0.374N	P=0.167	P=0.302N
MAX-ISO-POLY-3	P=0.158N	P=0.120	P=0.155N
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)  
 CAS Number: URETHCOMB

Date Report Requested: 10/24/2014  
 Time Report Requested: 03:40:58  
 First Dose M/F: NA / NA  
 Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
 LAST REMOVAL AT 110 WEEKS**

DOSE	MALE		
	2.5%ETH/0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/30PPMURE
<b>Skin</b>			
<b>Inflammation</b>			
<b>LESION RATES</b>			
OVERALL(a)	0/286 (0%)	0/141 (0%)	0/140 (0%)
POLY-3 RATE (b)	0/225.99	0/110.37	0/107.78
POLY-3 PERCENT (g)	0%	0%	0%
TERMINAL (d)	0/156 (0%)	0/70 (0%)	0/66 (0%)
FIRST INCIDENCE	---	---	---
<b>STATISTICAL TESTS</b>			
POLY 3	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 Test Compound: Urethane + ethanol (combination)  
 CAS Number: URETHCOMB

Date Report Requested: 10/24/2014  
 Time Report Requested: 03:40:58  
 First Dose M/F: NA / NA  
 Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
 LAST REMOVAL AT 110 WEEKS**

DOSE	MALE		
	2.5%ETH/0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/30PPMURE
<b>Skin</b>			
<b>Inflammation Chronic</b>			
<b>LESION RATES</b>			
OVERALL(a)	19/286 (7%)	18/141 (13%)	12/140 (9%)
POLY-3 RATE (b)	19/228.98	18/115.32	12/111.09
POLY-3 PERCENT (g)	8.3%	15.6%	10.8%
TERMINAL (d)	13/156 (8%)	8/70 (11%)	7/66 (11%)
FIRST INCIDENCE	306	154	138
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.168	P=0.028*	P=0.290
POLY 1.5	P=0.176	P=0.028*	P=0.300
POLY 6	P=0.154	P=0.027*	P=0.276
COCH-ARM / FISHERS	P=0.178	P=0.029*	P=0.297
MAX-ISO-POLY-3	P=0.162	P=0.035*	P=0.258
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
Test Compound: Urethane + ethanol (combination)  
CAS Number: URETHCOMB

Date Report Requested: 10/24/2014  
Time Report Requested: 03:40:58  
First Dose M/F: NA / NA  
Lab: NCTR

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
LAST REMOVAL AT 110 WEEKS

DOSE	MALE		
	2.5%ETH/0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/30PPMURE
<b>Skin</b>			
<b>Metaplasia Osseous</b>			
<b>LESION RATES</b>			
OVERALL(a)	4/286 (1%)	0/141 (0%)	1/140 (1%)
POLY-3 RATE (b)	4/226.13	0/110.37	1/108.43
POLY-3 PERCENT (g)	1.8%	0%	0.9%
TERMINAL (d)	3/156 (2%)	0/70 (0%)	0/66 (0%)
FIRST INCIDENCE	726	---	539
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.260N	P=0.192N	P=0.454N
POLY 1.5	P=0.258N	P=0.191N	P=0.450N
POLY 6	P=0.265N	P=0.197N	P=0.461N
COCH-ARM / FISHERS	P=0.255N	P=0.200N	P=0.469N
MAX-ISO-POLY-3	P=0.253N	P=0.114N	P=0.305N
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/24/2014

Time Report Requested: 03:40:58

First Dose M/F: NA / NA

Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
LAST REMOVAL AT 110 WEEKS**

DOSE	MALE		
	2.5%ETH/0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/30PPMURE
Skin			
Ulcer			
<b>LESION RATES</b>			
OVERALL(a)	9/286 (3%)	7/141 (5%)	3/140 (2%)
POLY-3 RATE (b)	9/226.13	7/110.69	3/108.77
POLY-3 PERCENT (g)	4%	6.3%	2.8%
TERMINAL (d)	8/156 (5%)	6/70 (9%)	2/66 (3%)
FIRST INCIDENCE	726	670	177
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.447N	P=0.249	P=0.402N
POLY 1.5	P=0.438N	P=0.253	P=0.395N
POLY 6	P=0.463N	P=0.239	P=0.413N
COCH-ARM / FISHERS	P=0.432N	P=0.250	P=0.404N
MAX-ISO-POLY-3	P=0.328N	P=0.207	P=0.315N
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/24/2014

Time Report Requested: 03:40:58

First Dose M/F: NA / NA

Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
LAST REMOVAL AT 110 WEEKS**

DOSE	MALE		
	2.5%ETH/0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/30PPMURE
<b>Skin: Epithelium</b>			
<b>Hyperplasia</b>			
<b>LESION RATES</b>			
OVERALL(a)	5/286 (2%)	6/141 (4%)	4/140 (3%)
POLY-3 RATE (b)	5/226.92	6/111.86	4/108.97
POLY-3 PERCENT (g)	2.2%	5.4%	3.7%
TERMINAL (d)	2/156 (1%)	3/70 (4%)	2/66 (3%)
FIRST INCIDENCE	520	305	177
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.216	P=0.111	P=0.338
POLY 1.5	P=0.223	P=0.113	P=0.344
POLY 6	P=0.206	P=0.107	P=0.329
COCH-ARM / FISHERS	P=0.228	P=0.114	P=0.337
MAX-ISO-POLY-3	P=0.239	P=0.091	P=0.253
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)  
 CAS Number: URETHCOMB

Date Report Requested: 10/24/2014  
 Time Report Requested: 03:40:58  
 First Dose M/F: NA / NA  
 Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
 LAST REMOVAL AT 110 WEEKS**

DOSE	MALE		
	2.5%ETH/0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/30PPMURE
<b>Spinal Cord: Thoracic</b>			
<b>Autolysis</b>			
<b>LESION RATES</b>			
OVERALL(a)	0/286 (0%)	0/143 (0%)	0/144 (0%)
POLY-3 RATE (b)	0/225.99	0/111.98	0/109.42
POLY-3 PERCENT (g)	0%	0%	0%
TERMINAL (d)	0/156 (0%)	0/71 (0%)	0/66 (0%)
FIRST INCIDENCE	---	---	---
<b>STATISTICAL TESTS</b>			
POLY 3	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 Test Compound: Urethane + ethanol (combination)  
 CAS Number: URETHCOMB

Date Report Requested: 10/24/2014  
 Time Report Requested: 03:40:58  
 First Dose M/F: NA / NA  
 Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
 LAST REMOVAL AT 110 WEEKS**

DOSE	MALE		
	2.5%ETH/0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/30PPMURE
<b>Spinal Cord: Thoracic Hemorrhage</b>			
<b>LESION RATES</b>			
OVERALL(a)	0/286 (0%)	0/143 (0%)	0/144 (0%)
POLY-3 RATE (b)	0/225.99	0/111.98	0/109.42
POLY-3 PERCENT (g)	0%	0%	0%
TERMINAL (d)	0/156 (0%)	0/71 (0%)	0/66 (0%)
FIRST INCIDENCE	---	---	---
<b>STATISTICAL TESTS</b>			
POLY 3	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			



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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/24/2014

Time Report Requested: 03:40:58

First Dose M/F: NA / NA

Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
LAST REMOVAL AT 110 WEEKS**

DOSE	MALE		
	2.5%ETH/0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/30PPMURE
<b>Spinal Cord: Thoracic</b>			
<b>Necrosis</b>			
<b>LESION RATES</b>			
OVERALL(a)	0/286 (0%)	2/143 (1%)	0/144 (0%)
POLY-3 RATE (b)	0/225.99	2/112.39	0/109.42
POLY-3 PERCENT (g)	0%	1.8%	0%
TERMINAL (d)	0/156 (0%)	1/71 (1%)	0/66 (0%)
FIRST INCIDENCE	---	640	---
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.485	P=0.104	(e)
POLY 1.5	P=0.492	P=0.104	(e)
POLY 6	P=0.475	P=0.102	(e)
COCH-ARM / FISHERS	P=0.501	P=0.111	(e)
MAX-ISO-POLY-3	P=0.225	P=0.041*	(e)
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/24/2014

Time Report Requested: 03:40:58

First Dose M/F: NA / NA

Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
LAST REMOVAL AT 110 WEEKS**

DOSE	MALE		
	2.5%ETH/0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/30PPMURE
<b>Spleen</b>			
<b>Angiectasis</b>			
<b>LESION RATES</b>			
OVERALL(a)	3/271 (1%)	2/138 (1%)	0/137 (0%)
POLY-3 RATE (b)	3/221.67	2/109.93	0/106.78
POLY-3 PERCENT (g)	1.4%	1.8%	0%
TERMINAL (d)	1/156 (1%)	2/71 (3%)	0/66 (0%)
FIRST INCIDENCE	641	764(T)	---
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.265N	P=0.560	P=0.280N
POLY 1.5	P=0.258N	P=0.564	P=0.275N
POLY 6	P=0.275N	P=0.551	P=0.286N
COCH-ARM / FISHERS	P=0.245N	P=0.548	P=0.292N
MAX-ISO-POLY-3	P=0.214N	P=0.389	P=0.154N
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/24/2014

Time Report Requested: 03:40:58

First Dose M/F: NA / NA

Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
LAST REMOVAL AT 110 WEEKS**

DOSE	MALE		
	2.5%ETH/0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/30PPMURE
<b>Spleen</b>			
<b>Autolysis</b>			
<b>LESION RATES</b>			
OVERALL(a)	0/271 (0%)	0/138 (0%)	0/137 (0%)
POLY-3 RATE (b)	0/221.19	0/109.93	0/106.78
POLY-3 PERCENT (g)	0%	0%	0%
TERMINAL (d)	0/156 (0%)	0/71 (0%)	0/66 (0%)
FIRST INCIDENCE	---	---	---
<b>STATISTICAL TESTS</b>			
POLY 3	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)  
 CAS Number: URETHCOMB

Date Report Requested: 10/24/2014  
 Time Report Requested: 03:40:58  
 First Dose M/F: NA / NA  
 Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
 LAST REMOVAL AT 110 WEEKS**

DOSE	MALE		
	2.5%ETH/0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/30PPMURE
<b>Spleen</b>			
<b>Hematopoietic Cell Proliferation</b>			
<b>LESION RATES</b>			
OVERALL(a)	124/271 (46%)	70/138 (51%)	55/137 (40%)
POLY-3 RATE (b)	124/254.33	70/130.73	55/122.64
POLY-3 PERCENT (g)	48.8%	53.5%	44.8%
TERMINAL (d)	49/156 (31%)	25/71 (35%)	13/66 (20%)
FIRST INCIDENCE	98	114	138
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.344N	P=0.214	P=0.273N
POLY 1.5	P=0.305N	P=0.218	P=0.239N
POLY 6	P=0.378N	P=0.198	P=0.300N
COCH-ARM / FISHERS	P=0.222N	P=0.199	P=0.165N
MAX-ISO-POLY-3	P=0.272N	P=0.216	P=0.271N
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/24/2014

Time Report Requested: 03:40:58

First Dose M/F: NA / NA

Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
LAST REMOVAL AT 110 WEEKS**

DOSE	MALE		
	2.5%ETH/0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/30PPMURE
<b>Spleen</b>			
<b>Infiltration Cellular</b>			
<b>LESION RATES</b>			
OVERALL(a)	0/271 (0%)	2/138 (1%)	0/137 (0%)
POLY-3 RATE (b)	0/221.19	2/110.99	0/106.78
POLY-3 PERCENT (g)	0%	1.8%	0%
TERMINAL (d)	0/156 (0%)	0/71 (0%)	0/66 (0%)
FIRST INCIDENCE	---	305	---
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.484	P=0.105	(e)
POLY 1.5	P=0.491	P=0.106	(e)
POLY 6	P=0.475	P=0.104	(e)
COCH-ARM / FISHERS	P=0.503	P=0.113	(e)
MAX-ISO-POLY-3	P=0.227	P=0.042*	(e)
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)  
 CAS Number: URETHCOMB

Date Report Requested: 10/24/2014  
 Time Report Requested: 03:40:58  
 First Dose M/F: NA / NA  
 Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
 LAST REMOVAL AT 110 WEEKS**

DOSE	MALE		
	2.5%ETH/0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/30PPMURE
<b>Spleen</b>			
<b>Pigmentation</b>			
<b>LESION RATES</b>			
OVERALL(a)	1/271 (0%)	1/138 (1%)	0/137 (0%)
POLY-3 RATE (b)	1/221.68	1/110.41	0/106.78
POLY-3 PERCENT (g)	0.5%	0.9%	0%
TERMINAL (d)	0/156 (0%)	0/71 (0%)	0/66 (0%)
FIRST INCIDENCE	611	617	---
<b>STATISTICAL TESTS</b>			
POLY 3	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/24/2014

Time Report Requested: 03:40:58

First Dose M/F: NA / NA

Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
LAST REMOVAL AT 110 WEEKS**

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DOSE	MALE		
	2.5%ETH/0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/30PPMURE
<hr/>			
Spleen: Lymph Follic			
Atrophy			
<hr/>			
<b>LESION RATES</b>			
OVERALL(a)	7/271 (3%)	3/138 (2%)	5/137 (4%)
POLY-3 RATE (b)	7/226.23	3/111.56	5/109.92
POLY-3 PERCENT (g)	3.1%	2.7%	4.5%
TERMINAL (d)	0/156 (0%)	0/71 (0%)	0/66 (0%)
FIRST INCIDENCE	111	120	210
<hr/>			
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.332	P=0.553N	P=0.360
POLY 1.5	P=0.340	P=0.547N	P=0.369
POLY 6	P=0.321	P=0.564N	P=0.348
COCH-ARM / FISHERS	P=0.355	P=0.548N	P=0.374
MAX-ISO-POLY-3	P=0.361	P=0.430N	P=0.283
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/24/2014

Time Report Requested: 03:40:58

First Dose M/F: NA / NA

Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
LAST REMOVAL AT 110 WEEKS**

---

DOSE	MALE		
	2.5%ETH/0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/30PPMURE
<hr/>			
Spleen: Lymph Follic Hyperplasia			
<hr/>			
<b>LESION RATES</b>			
OVERALL(a)	91/271 (34%)	53/138 (38%)	46/137 (34%)
POLY-3 RATE (b)	91/225.43	53/112.40	46/110.63
POLY-3 PERCENT (g)	40.4%	47.2%	41.6%
TERMINAL (d)	80/156 (51%)	44/71 (62%)	36/66 (55%)
FIRST INCIDENCE	342	488	507
<hr/>			
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.352	P=0.136	P=0.462
POLY 1.5	P=0.384	P=0.155	P=0.488
POLY 6	P=0.312	P=0.107	P=0.430
COCH-ARM / FISHERS	P=0.451	P=0.196	P=0.543
MAX-ISO-POLY-3	P=0.374	P=0.147	P=0.426
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/24/2014

Time Report Requested: 03:40:58

First Dose M/F: NA / NA

Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
LAST REMOVAL AT 110 WEEKS**

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DOSE	MALE		
	2.5%ETH/0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/30PPMURE
<b>Stomach: Epithelium, Forestomach</b>			
<b>Hyperplasia</b>			
<b>LESION RATES</b>			
OVERALL(a)	8/276 (3%)	8/139 (6%)	5/140 (4%)
POLY-3 RATE (b)	8/223.93	8/110.87	5/109.20
POLY-3 PERCENT (g)	3.6%	7.2%	4.6%
TERMINAL (d)	6/156 (4%)	3/71 (4%)	1/66 (2%)
FIRST INCIDENCE	447	698	478
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.298	P=0.115	P=0.443
POLY 1.5	P=0.309	P=0.119	P=0.453
POLY 6	P=0.284	P=0.110	P=0.432
COCH-ARM / FISHERS	P=0.330	P=0.125	P=0.458
MAX-ISO-POLY-3	P=0.295	P=0.103	P=0.353
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/24/2014

Time Report Requested: 03:40:58

First Dose M/F: NA / NA

Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
LAST REMOVAL AT 110 WEEKS**

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DOSE	MALE		
	2.5%ETH/0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/30PPMURE
<b>Stomach: Epithelium, Glandular</b>			
<b>Hyperplasia</b>			
<b>LESION RATES</b>			
OVERALL(a)	2/267 (1%)	4/134 (3%)	1/136 (1%)
POLY-3 RATE (b)	2/220.89	4/107.31	1/107.34
POLY-3 PERCENT (g)	0.9%	3.7%	0.9%
TERMINAL (d)	2/156 (1%)	2/71 (3%)	1/66 (2%)
FIRST INCIDENCE	764(T)	684	764(T)
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.434	P=0.089	P=0.722
POLY 1.5	P=0.443	P=0.091	P=0.726
POLY 6	P=0.421	P=0.086	P=0.716
COCH-ARM / FISHERS	P=0.462	P=0.099	P=0.710
MAX-ISO-POLY-3	P=0.288	P=0.063	P=0.492
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/24/2014

Time Report Requested: 03:40:58

First Dose M/F: NA / NA

Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
LAST REMOVAL AT 110 WEEKS**

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DOSE	MALE		
	2.5%ETH/0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/30PPMURE
<b>Stomach: Forestomach</b>			
<b>Autolysis</b>			
<b>LESION RATES</b>			
OVERALL(a)	0/276 (0%)	0/139 (0%)	0/140 (0%)
POLY-3 RATE (b)	0/222.76	0/110.16	0/107.73
POLY-3 PERCENT (g)	0%	0%	0%
TERMINAL (d)	0/156 (0%)	0/71 (0%)	0/66 (0%)
FIRST INCIDENCE	---	---	---
<b>STATISTICAL TESTS</b>			
POLY 3	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)  
 CAS Number: URETHCOMB

Date Report Requested: 10/24/2014  
 Time Report Requested: 03:40:58  
 First Dose M/F: NA / NA  
 Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
 LAST REMOVAL AT 110 WEEKS**

DOSE	MALE		
	2.5%ETH/0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/30PPMURE
<b>Stomach: Forestomach</b>			
<b>Cyst</b>			
<b>LESION RATES</b>			
OVERALL(a)	3/276 (1%)	3/139 (2%)	1/140 (1%)
POLY-3 RATE (b)	3/223.13	3/110.16	1/107.85
POLY-3 PERCENT (g)	1.3%	2.7%	0.9%
TERMINAL (d)	2/156 (1%)	3/71 (4%)	0/66 (0%)
FIRST INCIDENCE	653	764(T)	733
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.568N	P=0.326	P=0.583N
POLY 1.5	P=0.557N	P=0.330	P=0.576N
POLY 6	P=0.581N	P=0.318	P=0.591N
COCH-ARM / FISHERS	P=0.539N	P=0.322	P=0.587N
MAX-ISO-POLY-3	P=0.426N	P=0.222	P=0.391N
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/24/2014

Time Report Requested: 03:40:58

First Dose M/F: NA / NA

Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
LAST REMOVAL AT 110 WEEKS**

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DOSE	MALE		
	2.5%ETH/0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/30PPMURE
<b>Stomach: Forestomach</b>			
<b>Foreign Body</b>			
<b>LESION RATES</b>			
OVERALL(a)	0/276 (0%)	0/139 (0%)	0/140 (0%)
POLY-3 RATE (b)	0/222.76	0/110.16	0/107.73
POLY-3 PERCENT (g)	0%	0%	0%
TERMINAL (d)	0/156 (0%)	0/71 (0%)	0/66 (0%)
FIRST INCIDENCE	---	---	---
<b>STATISTICAL TESTS</b>			
POLY 3	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/24/2014

Time Report Requested: 03:40:58

First Dose M/F: NA / NA

Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
 LAST REMOVAL AT 110 WEEKS**

DOSE	MALE		
	2.5%ETH/0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/30PPMURE
<b>Stomach: Forestomach</b>			
<b>Hyperkeratosis</b>			
<b>LESION RATES</b>			
OVERALL(a)	0/276 (0%)	0/139 (0%)	0/140 (0%)
POLY-3 RATE (b)	0/222.76	0/110.16	0/107.73
POLY-3 PERCENT (g)	0%	0%	0%
TERMINAL (d)	0/156 (0%)	0/71 (0%)	0/66 (0%)
FIRST INCIDENCE	---	---	---
<b>STATISTICAL TESTS</b>			
POLY 3	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)  
 CAS Number: URETHCOMB

Date Report Requested: 10/24/2014  
 Time Report Requested: 03:40:58  
 First Dose M/F: NA / NA  
 Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
 LAST REMOVAL AT 110 WEEKS**

DOSE	MALE		
	2.5%ETH/0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/30PPMURE
<b>Stomach: Forestomach</b>			
<b>Infiltration Cellular Lymphocytic</b>			
<b>LESION RATES</b>			
OVERALL(a)	0/276 (0%)	0/139 (0%)	0/140 (0%)
POLY-3 RATE (b)	0/222.76	0/110.16	0/107.73
POLY-3 PERCENT (g)	0%	0%	0%
TERMINAL (d)	0/156 (0%)	0/71 (0%)	0/66 (0%)
FIRST INCIDENCE	---	---	---
<b>STATISTICAL TESTS</b>			
POLY 3	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)  
 CAS Number: URETHCOMB

Date Report Requested: 10/24/2014  
 Time Report Requested: 03:40:58  
 First Dose M/F: NA / NA  
 Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
 LAST REMOVAL AT 110 WEEKS**

DOSE	MALE		
	2.5%ETH/0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/30PPMURE
<b>Stomach: Forestomach</b>			
<b>Inflammation</b>			
<b>LESION RATES</b>			
OVERALL(a)	0/276 (0%)	1/139 (1%)	0/140 (0%)
POLY-3 RATE (b)	0/222.76	1/111.16	0/107.73
POLY-3 PERCENT (g)	0%	0.9%	0%
TERMINAL (d)	0/156 (0%)	0/71 (0%)	0/66 (0%)
FIRST INCIDENCE	---	114	---
<b>STATISTICAL TESTS</b>			
POLY 3	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			



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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/24/2014

Time Report Requested: 03:40:58

First Dose M/F: NA / NA

Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
LAST REMOVAL AT 110 WEEKS**

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DOSE	MALE		
	2.5%ETH/0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/30PPMURE
<b>Stomach: Forestomach</b>			
<b>Ulcer</b>			
<b>LESION RATES</b>			
OVERALL(a)	0/276 (0%)	0/139 (0%)	0/140 (0%)
POLY-3 RATE (b)	0/222.76	0/110.16	0/107.73
POLY-3 PERCENT (g)	0%	0%	0%
TERMINAL (d)	0/156 (0%)	0/71 (0%)	0/66 (0%)
FIRST INCIDENCE	---	---	---
<b>STATISTICAL TESTS</b>			
POLY 3	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/24/2014

Time Report Requested: 03:40:58

First Dose M/F: NA / NA

Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
LAST REMOVAL AT 110 WEEKS**

---

DOSE	MALE		
	2.5%ETH/0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/30PPMURE
<b>Stomach: Glandular</b>			
<b>Autolysis</b>			
<b>LESION RATES</b>			
OVERALL(a)	0/267 (0%)	0/134 (0%)	0/136 (0%)
POLY-3 RATE (b)	0/220.89	0/106.91	0/107.34
POLY-3 PERCENT (g)	0%	0%	0%
TERMINAL (d)	0/156 (0%)	0/71 (0%)	0/66 (0%)
FIRST INCIDENCE	---	---	---
<b>STATISTICAL TESTS</b>			
POLY 3	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/24/2014

Time Report Requested: 03:40:58

First Dose M/F: NA / NA

Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
LAST REMOVAL AT 110 WEEKS**

DOSE	MALE		
	2.5%ETH/0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/30PPMURE
<b>Stomach: Glandular Cyst</b>			
<b>LESION RATES</b>			
OVERALL(a)	9/267 (3%)	2/134 (1%)	2/136 (1%)
POLY-3 RATE (b)	9/222.59	2/106.91	2/107.34
POLY-3 PERCENT (g)	4%	1.9%	1.9%
TERMINAL (d)	6/156 (4%)	2/71 (3%)	2/66 (3%)
FIRST INCIDENCE	453	764(T)	764(T)
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.148N	P=0.243N	P=0.242N
POLY 1.5	P=0.142N	P=0.236N	P=0.233N
POLY 6	P=0.158N	P=0.254N	P=0.254N
COCH-ARM / FISHERS	P=0.130N	P=0.229N	P=0.222N
MAX-ISO-POLY-3	P=0.207N	P=0.192N	P=0.192N
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/24/2014

Time Report Requested: 03:40:58

First Dose M/F: NA / NA

Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
LAST REMOVAL AT 110 WEEKS**

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DOSE	MALE		
	2.5%ETH/0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/30PPMURE
<b>Stomach: Glandular</b>			
<b>Erosion</b>			
<b>LESION RATES</b>			
OVERALL(a)	4/267 (1%)	2/134 (1%)	2/136 (1%)
POLY-3 RATE (b)	4/220.93	2/107.50	2/107.80
POLY-3 PERCENT (g)	1.8%	1.9%	1.9%
TERMINAL (d)	2/156 (1%)	1/71 (1%)	1/66 (2%)
FIRST INCIDENCE	757	569	620
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.574	P=0.657	P=0.658
POLY 1.5	P=0.580	P=0.661	P=0.664
POLY 6	P=0.565	P=0.651	P=0.650
COCH-ARM / FISHERS	P=0.577N	P=0.652	P=0.659
MAX-ISO-POLY-3	P=0.656	P=0.490	P=0.491
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/24/2014

Time Report Requested: 03:40:58

First Dose M/F: NA / NA

Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
LAST REMOVAL AT 110 WEEKS**

---

DOSE	MALE		
	2.5%ETH/0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/30PPMURE
<b>Stomach: Glandular</b>			
<b>Infiltration Cellular Lymphocytic</b>			
<b>LESION RATES</b>			
OVERALL(a)	4/267 (1%)	2/134 (1%)	1/136 (1%)
POLY-3 RATE (b)	4/220.89	2/106.91	1/107.34
POLY-3 PERCENT (g)	1.8%	1.9%	0.9%
TERMINAL (d)	4/156 (3%)	2/71 (3%)	1/66 (2%)
FIRST INCIDENCE	764(T)	764(T)	764(T)
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.382N	P=0.655	P=0.449N
POLY 1.5	P=0.374N	P=0.660	P=0.442N
POLY 6	P=0.393N	P=0.647	P=0.458N
COCH-ARM / FISHERS	P=0.358N	P=0.652	P=0.452N
MAX-ISO-POLY-3	P=0.421N	P=0.487	P=0.302N
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)  
 CAS Number: URETHCOMB

Date Report Requested: 10/24/2014  
 Time Report Requested: 03:40:58  
 First Dose M/F: NA / NA  
 Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
 LAST REMOVAL AT 110 WEEKS**

DOSE	MALE		
	2.5%ETH/0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/30PPMURE
<b>Stomach: Glandular Inflammation Acute</b>			
<b>LESION RATES</b>			
OVERALL(a)	6/267 (2%)	0/134 (0%)	0/136 (0%)
POLY-3 RATE (b)	6/220.89	0/106.91	0/107.34
POLY-3 PERCENT (g)	2.7%	0%	0%
TERMINAL (d)	6/156 (4%)	0/71 (0%)	0/66 (0%)
FIRST INCIDENCE	764(T)	---	---
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.025N*	P=0.101N	P=0.101N
POLY 1.5	P=0.024N*	P=0.099N	P=0.098N
POLY 6	P=0.026N*	P=0.105N	P=0.105N
COCH-ARM / FISHERS	P=0.023N*	P=0.085N	P=0.083N
MAX-ISO-POLY-3	P=0.033N*	P=0.072N	P=0.072N
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/24/2014

Time Report Requested: 03:40:58

First Dose M/F: NA / NA

Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
LAST REMOVAL AT 110 WEEKS**

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DOSE	MALE		
	2.5%ETH/0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/30PPMURE
<b>Stomach: Glandular Inflammation Chronic</b>			
<b>LESION RATES</b>			
OVERALL(a)	3/267 (1%)	0/134 (0%)	0/136 (0%)
POLY-3 RATE (b)	3/220.89	0/106.91	0/107.34
POLY-3 PERCENT (g)	1.4%	0%	0%
TERMINAL (d)	3/156 (2%)	0/71 (0%)	0/66 (0%)
FIRST INCIDENCE	764(T)	---	---
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.115N	P=0.278N	P=0.278N
POLY 1.5	P=0.113N	P=0.275N	P=0.273N
POLY 6	P=0.119N	P=0.283N	P=0.284N
COCH-ARM / FISHERS	P=0.109N	P=0.294N	P=0.290N
MAX-ISO-POLY-3	P=0.160N	P=0.152N	P=0.153N
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/24/2014

Time Report Requested: 03:40:58

First Dose M/F: NA / NA

Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
LAST REMOVAL AT 110 WEEKS**

---

DOSE	MALE		
	2.5%ETH/0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/30PPMURE
<hr/>			
Stomach: Glandular			
Mineralization			
<hr/>			
<b>LESION RATES</b>			
OVERALL(a)	1/267 (0%)	0/134 (0%)	1/136 (1%)
POLY-3 RATE (b)	1/220.89	0/106.91	1/107.40
POLY-3 PERCENT (g)	0.5%	0%	0.9%
TERMINAL (d)	1/156 (1%)	0/71 (0%)	0/66 (0%)
FIRST INCIDENCE	764(T)	---	747
<hr/>			
<b>STATISTICAL TESTS</b>			
POLY 3	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/24/2014

Time Report Requested: 03:40:58

First Dose M/F: NA / NA

Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
LAST REMOVAL AT 110 WEEKS**

DOSE	MALE		
	2.5%ETH/0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/30PPMURE
<b>Testes</b>			
<b>Mineralization</b>			
<b>LESION RATES</b>			
OVERALL(a)	8/283 (3%)	8/142 (6%)	4/144 (3%)
POLY-3 RATE (b)	8/226.19	8/112.46	4/111.02
POLY-3 PERCENT (g)	3.5%	7.1%	3.6%
TERMINAL (d)	6/156 (4%)	4/71 (6%)	1/66 (2%)
FIRST INCIDENCE	680	640	368
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.427	P=0.117	P=0.610
POLY 1.5	P=0.440	P=0.119	P=0.620
POLY 6	P=0.406	P=0.112	P=0.596
COCH-ARM / FISHERS	P=0.458	P=0.124	P=0.620
MAX-ISO-POLY-3	P=0.357	P=0.104	P=0.490
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/24/2014

Time Report Requested: 03:40:58

First Dose M/F: NA / NA

Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
LAST REMOVAL AT 110 WEEKS**

DOSE	MALE		
	2.5%ETH/0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/30PPMURE
<b>Testes: Germinal Epith Atrophy</b>			
<b>LESION RATES</b>			
OVERALL(a)	15/283 (5%)	8/142 (6%)	9/144 (6%)
POLY-3 RATE (b)	15/228.87	8/111.96	9/110.72
POLY-3 PERCENT (g)	6.6%	7.1%	8.1%
TERMINAL (d)	8/156 (5%)	5/71 (7%)	4/66 (6%)
FIRST INCIDENCE	474	684	542
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.341	P=0.510	P=0.381
POLY 1.5	P=0.359	P=0.521	P=0.400
POLY 6	P=0.318	P=0.492	P=0.359
COCH-ARM / FISHERS	P=0.387	P=0.524	P=0.420
MAX-ISO-POLY-3	P=0.452	P=0.430	P=0.326
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/24/2014

Time Report Requested: 03:40:58

First Dose M/F: NA / NA

Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
LAST REMOVAL AT 110 WEEKS**

---

DOSE	MALE		
	2.5%ETH/0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/30PPMURE
<b>Testes: Germinal Epith Degeneration</b>			
<b>LESION RATES</b>			
OVERALL(a)	13/283 (5%)	10/142 (7%)	10/144 (7%)
POLY-3 RATE (b)	13/227.30	10/114.33	10/112.45
POLY-3 PERCENT (g)	5.7%	8.7%	8.9%
TERMINAL (d)	7/156 (4%)	1/71 (1%)	2/66 (3%)
FIRST INCIDENCE	511	488	299
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.145	P=0.204	P=0.194
POLY 1.5	P=0.152	P=0.205	P=0.203
POLY 6	P=0.134	P=0.200	P=0.182
COCH-ARM / FISHERS	P=0.162	P=0.203	P=0.212
MAX-ISO-POLY-3	P=0.201	P=0.181	P=0.174
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/24/2014

Time Report Requested: 03:40:58

First Dose M/F: NA / NA

Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
LAST REMOVAL AT 110 WEEKS**

---

DOSE	MALE		
	2.5%ETH/0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/30PPMURE
<hr/>			
Thymus			
Atrophy			
<hr/>			
<b>LESION RATES</b>			
OVERALL(a)	81/192 (42%)	48/92 (52%)	45/100 (45%)
POLY-3 RATE (b)	81/179.15	48/87.40	45/88.24
POLY-3 PERCENT (g)	45.2%	54.9%	51%
TERMINAL (d)	24/112 (21%)	13/46 (28%)	15/48 (31%)
FIRST INCIDENCE	123	120	210
<hr/>			
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.145	P=0.084	P=0.223
POLY 1.5	P=0.170	P=0.082	P=0.256
POLY 6	P=0.124	P=0.084	P=0.195
COCH-ARM / FISHERS	P=0.263	P=0.073	P=0.368
MAX-ISO-POLY-3	P=0.202	P=0.096	P=0.223
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

---

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/24/2014

Time Report Requested: 03:40:58

First Dose M/F: NA / NA

Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
LAST REMOVAL AT 110 WEEKS**

---

DOSE	MALE		
	2.5%ETH/0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/30PPMURE
Thymus			
Autolysis			
<b>LESION RATES</b>			
OVERALL(a)	0/192 (0%)	0/92 (0%)	0/100 (0%)
POLY-3 RATE (b)	0/156.33	0/72.95	0/75.77
POLY-3 PERCENT (g)	0%	0%	0%
TERMINAL (d)	0/112 (0%)	0/46 (0%)	0/48 (0%)
FIRST INCIDENCE	---	---	---
<b>STATISTICAL TESTS</b>			
POLY 3	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
**Test Compound:** Urethane + ethanol (combination)  
**CAS Number:** URETHCOMB

**Date Report Requested:** 10/24/2014  
**Time Report Requested:** 03:40:58  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)**  
**LAST REMOVAL AT 110 WEEKS**

DOSE	MALE		
	2.5%ETH/0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/30PPMURE
<b>Thymus</b>			
<b>Cyst</b>			
<b>LESION RATES</b>			
<b>OVERALL(a)</b>	17/192 (9%)	7/92 (8%)	9/100 (9%)
<b>POLY-3 RATE (b)</b>	17/156.71	7/73.52	9/76.38
<b>POLY-3 PERCENT (g)</b>	10.8%	9.5%	11.8%
<b>TERMINAL (d)</b>	15/112 (13%)	5/46 (11%)	7/48 (15%)
<b>FIRST INCIDENCE</b>	655	655	671
<b>STATISTICAL TESTS</b>			
<b>POLY 3</b>	P=0.492	P=0.470N	P=0.503
<b>POLY 1.5</b>	P=0.510	P=0.461N	P=0.523
<b>POLY 6</b>	P=0.471	P=0.487N	P=0.484
<b>COCH-ARM / FISHERS</b>	P=0.535N	P=0.459N	P=0.562
<b>MAX-ISO-POLY-3</b>	P=0.541	P=0.396N	P=0.428
<b>HISTCONT SAME RTE</b>			
<b>HISTCONT ALL RTES</b>			
<b>CURR VS HC SAME RTE</b>			
<b>CURR VS HC ALL RTES</b>			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
**Test Compound:** Urethane + ethanol (combination)  
**CAS Number:** URETHCOMB

**Date Report Requested:** 10/24/2014  
**Time Report Requested:** 03:40:58  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)**  
**LAST REMOVAL AT 110 WEEKS**

DOSE	MALE		
	2.5%ETH/0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/30PPMURE
<b>Thymus</b>			
<b>Hyperplasia</b>			
<b>LESION RATES</b>			
<b>OVERALL(a)</b>	0/192 (0%)	0/92 (0%)	0/100 (0%)
<b>POLY-3 RATE (b)</b>	0/156.33	0/72.95	0/75.77
<b>POLY-3 PERCENT (g)</b>	0%	0%	0%
<b>TERMINAL (d)</b>	0/112 (0%)	0/46 (0%)	0/48 (0%)
<b>FIRST INCIDENCE</b>	---	---	---
<b>STATISTICAL TESTS</b>			
<b>POLY 3</b>	(n)	(n)	(n)
<b>POLY 1.5</b>	(n)	(n)	(n)
<b>POLY 6</b>	(n)	(n)	(n)
<b>COCH-ARM / FISHERS</b>	(n)	(n)	(n)
<b>MAX-ISO-POLY-3</b>	(n)	(n)	(n)
<b>HISTCONT SAME RTE</b>			
<b>HISTCONT ALL RTES</b>			
<b>CURR VS HC SAME RTE</b>			
<b>CURR VS HC ALL RTES</b>			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 Test Compound: Urethane + ethanol (combination)  
 CAS Number: URETHCOMB

Date Report Requested: 10/24/2014  
 Time Report Requested: 03:40:58  
 First Dose M/F: NA / NA  
 Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
 LAST REMOVAL AT 110 WEEKS**

DOSE	MALE		
	2.5%ETH/0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/30PPMURE
<b>Thyroid Gland</b>			
<b>Autolysis</b>			
<b>LESION RATES</b>			
OVERALL(a)	0/274 (0%)	0/141 (0%)	0/142 (0%)
POLY-3 RATE (b)	0/221.07	0/111.45	0/107.99
POLY-3 PERCENT (g)	0%	0%	0%
TERMINAL (d)	0/153 (0%)	0/71 (0%)	0/65 (0%)
FIRST INCIDENCE	---	---	---
<b>STATISTICAL TESTS</b>			
POLY 3	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			



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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)  
 CAS Number: URETHCOMB

Date Report Requested: 10/24/2014  
 Time Report Requested: 03:40:59  
 First Dose M/F: NA / NA  
 Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
 LAST REMOVAL AT 110 WEEKS**

DOSE	MALE		
	2.5%ETH/0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/30PPMURE
<b>Thyroid Gland</b>			
<b>Crystals</b>			
<b>LESION RATES</b>			
OVERALL(a)	4/274 (1%)	0/141 (0%)	2/142 (1%)
POLY-3 RATE (b)	4/221.07	0/111.45	2/107.99
POLY-3 PERCENT (g)	1.8%	0%	1.9%
TERMINAL (d)	4/153 (3%)	0/71 (0%)	2/65 (3%)
FIRST INCIDENCE	764(T)	---	764(T)
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.501N	P=0.186N	P=0.658
POLY 1.5	P=0.495N	P=0.184N	P=0.667
POLY 6	P=0.511N	P=0.191N	P=0.646
COCH-ARM / FISHERS	P=0.485N	P=0.189N	P=0.666
MAX-ISO-POLY-3	P=0.401N	P=0.110N	P=0.491
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/24/2014

Time Report Requested: 03:40:59

First Dose M/F: NA / NA

Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
 LAST REMOVAL AT 110 WEEKS**

DOSE	MALE		
	2.5%ETH/0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/30PPMURE
<b>Thyroid Gland</b>			
<b>Cyst Multilocular</b>			
<b>LESION RATES</b>			
OVERALL(a)	0/274 (0%)	0/141 (0%)	0/142 (0%)
POLY-3 RATE (b)	0/221.07	0/111.45	0/107.99
POLY-3 PERCENT (g)	0%	0%	0%
TERMINAL (d)	0/153 (0%)	0/71 (0%)	0/65 (0%)
FIRST INCIDENCE	---	---	---
<b>STATISTICAL TESTS</b>			
POLY 3	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/24/2014

Time Report Requested: 03:40:59

First Dose M/F: NA / NA

Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
LAST REMOVAL AT 110 WEEKS**

DOSE	MALE		
	2.5%ETH/0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/30PPMURE
<b>Thyroid Gland</b>			
<b>Infiltration Cellular Lymphocytic</b>			
<b>LESION RATES</b>			
OVERALL(a)	3/274 (1%)	2/141 (1%)	1/142 (1%)
POLY-3 RATE (b)	3/221.07	2/111.45	1/107.99
POLY-3 PERCENT (g)	1.4%	1.8%	0.9%
TERMINAL (d)	3/153 (2%)	2/71 (3%)	1/65 (2%)
FIRST INCIDENCE	764(T)	764(T)	764(T)
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.514N	P=0.566	P=0.579N
POLY 1.5	P=0.503N	P=0.570	P=0.570N
POLY 6	P=0.528N	P=0.558	P=0.589N
COCH-ARM / FISHERS	P=0.485N	P=0.553	P=0.578N
MAX-ISO-POLY-3	P=0.496N	P=0.395	P=0.388N
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/24/2014

Time Report Requested: 03:40:59

First Dose M/F: NA / NA

Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
 LAST REMOVAL AT 110 WEEKS**

DOSE	MALE		
	2.5%ETH/0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/30PPMURE
<b>Thyroid Gland</b>			
<b>Inflammation Chronic</b>			
<b>LESION RATES</b>			
OVERALL(a)	2/274 (1%)	1/141 (1%)	0/142 (0%)
POLY-3 RATE (b)	2/221.07	1/111.45	0/107.99
POLY-3 PERCENT (g)	0.9%	0.9%	0%
TERMINAL (d)	2/153 (1%)	1/71 (1%)	0/65 (0%)
FIRST INCIDENCE	764(T)	764(T)	---
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.312N	P=0.727N	P=0.408N
POLY 1.5	P=0.304N	P=0.725N	P=0.402N
POLY 6	P=0.322N	P=0.726	P=0.415N
COCH-ARM / FISHERS	P=0.291N	P=0.713	P=0.433N
MAX-ISO-POLY-3	P=0.300N	P=0.498N	P=0.202N
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/24/2014

Time Report Requested: 03:40:59

First Dose M/F: NA / NA

Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
LAST REMOVAL AT 110 WEEKS**

DOSE	MALE		
	2.5%ETH/0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/30PPMURE
<b>Thyroid Gland</b>			
<b>Ultimobranchial Cyst</b>			
<b>LESION RATES</b>			
OVERALL(a)	60/274 (22%)	34/141 (24%)	33/142 (23%)
POLY-3 RATE (b)	60/223.47	34/115.15	33/110.92
POLY-3 PERCENT (g)	26.8%	29.5%	29.8%
TERMINAL (d)	47/153 (31%)	23/71 (32%)	22/65 (34%)
FIRST INCIDENCE	521	362	467
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.291	P=0.345	P=0.333
POLY 1.5	P=0.320	P=0.349	P=0.365
POLY 6	P=0.256	P=0.327	P=0.298
COCH-ARM / FISHERS	P=0.376	P=0.347	P=0.423
MAX-ISO-POLY-3	P=0.404	P=0.323	P=0.315
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
Test Compound: Urethane + ethanol (combination)  
CAS Number: URETHCOMB

Date Report Requested: 10/24/2014  
Time Report Requested: 03:40:59  
First Dose M/F: NA / NA  
Lab: NCTR

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
LAST REMOVAL AT 110 WEEKS

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DOSE	MALE		
	2.5%ETH/0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/30PPMURE
<b>Thyroid Gland: C Cell</b>			
<b>Hyperplasia</b>			
<b>LESION RATES</b>			
OVERALL(a)	0/274 (0%)	0/141 (0%)	0/142 (0%)
POLY-3 RATE (b)	0/221.07	0/111.45	0/107.99
POLY-3 PERCENT (g)	0%	0%	0%
TERMINAL (d)	0/153 (0%)	0/71 (0%)	0/65 (0%)
FIRST INCIDENCE	---	---	---
<b>STATISTICAL TESTS</b>			
POLY 3	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/24/2014

Time Report Requested: 03:40:59

First Dose M/F: NA / NA

Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
LAST REMOVAL AT 110 WEEKS**

DOSE	MALE		
	2.5%ETH/0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/30PPMURE
<b>Thyroid Gland: Follicle Cyst</b>			
<b>LESION RATES</b>			
OVERALL(a)	4/274 (1%)	1/141 (1%)	1/142 (1%)
POLY-3 RATE (b)	4/222.69	1/111.45	1/107.99
POLY-3 PERCENT (g)	1.8%	0.9%	0.9%
TERMINAL (d)	0/153 (0%)	1/71 (1%)	1/65 (2%)
FIRST INCIDENCE	548	764(T)	764(T)
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.321N	P=0.437N	P=0.450N
POLY 1.5	P=0.312N	P=0.431N	P=0.439N
POLY 6	P=0.334N	P=0.447N	P=0.463N
COCH-ARM / FISHERS	P=0.297N	P=0.447N	P=0.444N
MAX-ISO-POLY-3	P=0.405N	P=0.292N	P=0.304N
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 Test Compound: Urethane + ethanol (combination)  
 CAS Number: URETHCOMB

Date Report Requested: 10/24/2014  
 Time Report Requested: 03:40:59  
 First Dose M/F: NA / NA  
 Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
 LAST REMOVAL AT 110 WEEKS**

DOSE	MALE		
	2.5%ETH/0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/30PPMURE
<b>Thyroid Gland: Follicular Cel Hyperplasia</b>			
<b>LESION RATES</b>			
OVERALL(a)	1/274 (0%)	0/141 (0%)	2/142 (1%)
POLY-3 RATE (b)	1/221.07	0/111.45	2/108.31
POLY-3 PERCENT (g)	0.5%	0%	1.8%
TERMINAL (d)	1/153 (1%)	0/71 (0%)	1/65 (2%)
FIRST INCIDENCE	764(T)	---	670
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.196	P=0.636N	P=0.265
POLY 1.5	P=0.198	P=0.634N	P=0.271
POLY 6	P=0.194	P=0.639N	P=0.258
COCH-ARM / FISHERS	P=0.199	P=0.660N	P=0.269
MAX-ISO-POLY-3	P=0.119	P=0.271N	P=0.145
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			



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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/24/2014

Time Report Requested: 03:40:59

First Dose M/F: NA / NA

Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
LAST REMOVAL AT 110 WEEKS**

DOSE	MALE		
	2.5%ETH/0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/30PPMURE
Tongue			
Foreign Body			
<b>LESION RATES</b>			
OVERALL(a)	1/285 (0%)	1/142 (1%)	2/144 (1%)
POLY-3 RATE (b)	1/225.46	1/111.95	2/109.43
POLY-3 PERCENT (g)	0.4%	0.9%	1.8%
TERMINAL (d)	1/156 (1%)	1/71 (1%)	1/66 (2%)
FIRST INCIDENCE	764(T)	764(T)	762
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.179	P=0.597	P=0.262
POLY 1.5	P=0.182	P=0.599	P=0.267
POLY 6	P=0.174	P=0.592	P=0.255
COCH-ARM / FISHERS	P=0.184	P=0.555	P=0.262
MAX-ISO-POLY-3	P=0.198	P=0.331	P=0.143
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 Test Compound: Urethane + ethanol (combination)  
 CAS Number: URETHCOMB

Date Report Requested: 10/24/2014  
 Time Report Requested: 03:40:59  
 First Dose M/F: NA / NA  
 Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
 LAST REMOVAL AT 110 WEEKS**

DOSE	MALE		
	2.5%ETH/0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/30PPMURE
<b>Tongue</b>			
<b>Inflammation Chronic</b>			
<b>LESION RATES</b>			
OVERALL(a)	1/285 (0%)	4/142 (3%)	2/144 (1%)
POLY-3 RATE (b)	1/225.46	4/112.94	2/109.43
POLY-3 PERCENT (g)	0.4%	3.5%	1.8%
TERMINAL (d)	1/156 (1%)	3/71 (4%)	1/66 (2%)
FIRST INCIDENCE	764(T)	154	762
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.140	P=0.039*	P=0.262
POLY 1.5	P=0.146	P=0.040*	P=0.267
POLY 6	P=0.131	P=0.038*	P=0.255
COCH-ARM / FISHERS	P=0.154	P=0.044*	P=0.262
MAX-ISO-POLY-3	P=0.127	P=0.026*	P=0.143
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/24/2014

Time Report Requested: 03:40:59

First Dose M/F: NA / NA

Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
LAST REMOVAL AT 110 WEEKS**

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DOSE	MALE		
	2.5%ETH/0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/30PPMURE
Trachea			
Autolysis			
<b>LESION RATES</b>			
OVERALL(a)	0/280 (0%)	0/141 (0%)	0/144 (0%)
POLY-3 RATE (b)	0/224.09	0/111.36	0/109.42
POLY-3 PERCENT (g)	0%	0%	0%
TERMINAL (d)	0/155 (0%)	0/71 (0%)	0/66 (0%)
FIRST INCIDENCE	---	---	---
<b>STATISTICAL TESTS</b>			
POLY 3	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)  
 CAS Number: URETHCOMB

Date Report Requested: 10/24/2014  
 Time Report Requested: 03:40:59  
 First Dose M/F: NA / NA  
 Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
 LAST REMOVAL AT 110 WEEKS**

DOSE	MALE		
	2.5%ETH/0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/30PPMURE
<b>Urethra: Bulboureth Gl</b>			
<b>Inflammation Acute</b>			
<b>LESION RATES</b>			
OVERALL(a)	0/2 (0%)	0/0 (0%)	2/4 (50%)
POLY-3 RATE (b)	0/0.54	0/0.00	2/3.30
POLY-3 PERCENT (g)	0%	0%	60.6%
TERMINAL (d)	0/0 (0%)	0/0 (0%)	0/1 (0%)
FIRST INCIDENCE	---	---	210
<b>STATISTICAL TESTS</b>			
POLY 3	(e)	(e)	P=0.655
POLY 1.5	(e)	(e)	P=0.567
POLY 6	(e)	(e)	P=0.738
COCH-ARM / FISHERS	P=0.222	(e)	P=0.400
MAX-ISO-POLY-3	(e)	(e)	P=0.354
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/24/2014

Time Report Requested: 03:40:59

First Dose M/F: NA / NA

Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
LAST REMOVAL AT 110 WEEKS**

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DOSE	MALE		
	2.5%ETH/0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/30PPMURE
Urinary Bladder			
Autolysis			
<b>LESION RATES</b>			
OVERALL(a)	0/273 (0%)	0/137 (0%)	0/140 (0%)
POLY-3 RATE (b)	0/222.31	0/108.14	0/107.54
POLY-3 PERCENT (g)	0%	0%	0%
TERMINAL (d)	0/156 (0%)	0/70 (0%)	0/66 (0%)
FIRST INCIDENCE	---	---	---
<b>STATISTICAL TESTS</b>			
POLY 3	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
Test Compound: Urethane + ethanol (combination)  
CAS Number: URETHCOMB

Date Report Requested: 10/24/2014  
Time Report Requested: 03:40:59  
First Dose M/F: NA / NA  
Lab: NCTR

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
LAST REMOVAL AT 110 WEEKS

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DOSE	MALE		
	2.5%ETH/0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/30PPMURE
<hr/>			
Urinary Bladder			
Dilatation			
<hr/>			
LESION RATES			
OVERALL(a)	4/273 (1%)	3/137 (2%)	2/140 (1%)
POLY-3 RATE (b)	4/223.76	3/110.00	2/109.51
POLY-3 PERCENT (g)	1.8%	2.7%	1.8%
TERMINAL (d)	0/156 (0%)	0/70 (0%)	0/66 (0%)
FIRST INCIDENCE	211	382	138
<hr/>			
STATISTICAL TESTS			
POLY 3	P=0.528	P=0.438	P=0.659
POLY 1.5	P=0.539	P=0.442	P=0.667N
POLY 6	P=0.512	P=0.429	P=0.646
COCH-ARM / FISHERS	P=0.552	P=0.431	P=0.662
MAX-ISO-POLY-3	P=0.547	P=0.315	P=0.492
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/24/2014

Time Report Requested: 03:40:59

First Dose M/F: NA / NA

Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
LAST REMOVAL AT 110 WEEKS**

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DOSE	MALE		
	2.5%ETH/0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/30PPMURE
<hr/>			
Urinary Bladder			
Edema			
<hr/>			
<b>LESION RATES</b>			
OVERALL(a)	4/273 (1%)	5/137 (4%)	1/140 (1%)
POLY-3 RATE (b)	4/222.98	5/110.11	1/107.80
POLY-3 PERCENT (g)	1.8%	4.5%	0.9%
TERMINAL (d)	1/156 (1%)	0/70 (0%)	0/66 (0%)
FIRST INCIDENCE	662	536	690
<hr/>			
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.533N	P=0.137	P=0.451N
POLY 1.5	P=0.514N	P=0.139	P=0.441N
POLY 6	P=0.556N	P=0.133	P=0.464N
COCH-ARM / FISHERS	P=0.487N	P=0.144	P=0.449N
MAX-ISO-POLY-3	P=0.273N	P=0.106	P=0.305N
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 Test Compound: Urethane + ethanol (combination)  
 CAS Number: URETHCOMB

Date Report Requested: 10/24/2014  
 Time Report Requested: 03:40:59  
 First Dose M/F: NA / NA  
 Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
 LAST REMOVAL AT 110 WEEKS**

DOSE	MALE		
	2.5%ETH/0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/30PPMURE
<b>Urinary Bladder</b>			
<b>Infiltration Cellular Lymphocytic</b>			
<b>LESION RATES</b>			
OVERALL(a)	120/273 (44%)	59/137 (43%)	64/140 (46%)
POLY-3 RATE (b)	120/229.34	59/113.00	64/115.03
POLY-3 PERCENT (g)	52.3%	52.2%	55.6%
TERMINAL (d)	94/156 (60%)	40/70 (57%)	36/66 (55%)
FIRST INCIDENCE	513	523	467
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.311	P=0.539N	P=0.315
POLY 1.5	P=0.346	P=0.516N	P=0.348
POLY 6	P=0.275	P=0.523	P=0.283
COCH-ARM / FISHERS	P=0.408	P=0.474N	P=0.406
MAX-ISO-POLY-3	P=0.417	P=0.493N	P=0.302
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			



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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/24/2014

Time Report Requested: 03:40:59

First Dose M/F: NA / NA

Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
LAST REMOVAL AT 110 WEEKS**

DOSE	MALE		
	2.5%ETH/0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/30PPMURE
<b>Urinary Bladder</b>			
<b>Inflammation Acute</b>			
<b>LESION RATES</b>			
OVERALL(a)	13/273 (5%)	1/137 (1%)	3/140 (2%)
POLY-3 RATE (b)	13/231.93	1/109.13	3/110.22
POLY-3 PERCENT (g)	5.6%	0.9%	2.7%
TERMINAL (d)	0/156 (0%)	0/70 (0%)	0/66 (0%)
FIRST INCIDENCE	111	120	138
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.069N	P=0.042N*	P=0.185N
POLY 1.5	P=0.063N	P=0.039N*	P=0.171N
POLY 6	P=0.076N	P=0.046N*	P=0.203N
COCH-ARM / FISHERS	P=0.055N	P=0.025N*	P=0.149N
MAX-ISO-POLY-3	P=0.093N	P=0.043N*	P=0.162N
HISTCONT SAME RTE			
HISTCONT ALL RTEs			
CURR VS HC SAME RTE			
CURR VS HC ALL RTEs			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHOMB

Date Report Requested: 10/24/2014

Time Report Requested: 03:40:59

First Dose M/F: NA / NA

Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
LAST REMOVAL AT 110 WEEKS**

DOSE	MALE		
	2.5%ETH/0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/30PPMURE
<b>Urinary Bladder</b>			
<b>Inflammation Chronic</b>			
<b>LESION RATES</b>			
OVERALL(a)	2/273 (1%)	3/137 (2%)	2/140 (1%)
POLY-3 RATE (b)	2/223.30	3/110.60	2/108.02
POLY-3 PERCENT (g)	0.9%	2.7%	1.9%
TERMINAL (d)	1/156 (1%)	0/70 (0%)	1/66 (2%)
FIRST INCIDENCE	144	123	614
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.269	P=0.210	P=0.418
POLY 1.5	P=0.278	P=0.212	P=0.426
POLY 6	P=0.257	P=0.205	P=0.407
COCH-ARM / FISHERS	P=0.293	P=0.210	P=0.417
MAX-ISO-POLY-3	P=0.295	P=0.135	P=0.264
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)  
 CAS Number: URETHCOMB

Date Report Requested: 10/24/2014  
 Time Report Requested: 03:40:59  
 First Dose M/F: NA / NA  
 Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
 LAST REMOVAL AT 110 WEEKS**

DOSE	MALE		
	2.5%ETH/0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/30PPMURE
<b>Urinary Bladder</b>			
<b>Ulcer</b>			
<b>LESION RATES</b>			
OVERALL(a)	0/273 (0%)	1/137 (1%)	2/140 (1%)
POLY-3 RATE (b)	0/222.31	1/109.13	2/108.52
POLY-3 PERCENT (g)	0%	0.9%	1.8%
TERMINAL (d)	0/156 (0%)	0/70 (0%)	1/66 (2%)
FIRST INCIDENCE	---	123	210
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.057	P=0.358	P=0.102
POLY 1.5	P=0.059	P=0.360	P=0.105
POLY 6	P=0.055	P=0.355	P=0.099
COCH-ARM / FISHERS	P=0.061	P=0.334	P=0.114
MAX-ISO-POLY-3	P=0.070	P=0.111	P=0.042*
HISTCONT SAME RTE			
HISTCONT ALL RTEs			
CURR VS HC SAME RTE			
CURR VS HC ALL RTEs			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)  
 CAS Number: URETHCOMB

Date Report Requested: 10/24/2014  
 Time Report Requested: 03:40:59  
 First Dose M/F: NA / NA  
 Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
 LAST REMOVAL AT 110 WEEKS**

DOSE	MALE		
	2.5%ETH/0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/30PPMURE
<b>Zymbal's Gland</b>			
<b>Dilatation</b>			
<b>LESION RATES</b>			
OVERALL(a)	2/273 (1%)	1/134 (1%)	0/134 (0%)
POLY-3 RATE (b)	2/214.56	1/104.26	0/103.59
POLY-3 PERCENT (g)	0.9%	1%	0%
TERMINAL (d)	1/148 (1%)	0/68 (0%)	0/65 (0%)
FIRST INCIDENCE	761	620	---
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.311N	P=0.723	P=0.410N
POLY 1.5	P=0.308N	P=0.725	P=0.408N
POLY 6	P=0.316N	P=0.719	P=0.413N
COCH-ARM / FISHERS	P=0.305N	P=0.699	P=0.449N
MAX-ISO-POLY-3	P=0.296N	P=0.492	P=0.200N
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Test Compound: Urethane + ethanol (combination)  
 CAS Number: URETHCOMB

Date Report Requested: 10/24/2014  
 Time Report Requested: 03:40:59  
 First Dose M/F: NA / NA  
 Lab: NCTR

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
 LAST REMOVAL AT 110 WEEKS

DOSE	MALE		
	2.5%ETH/0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/30PPMURE
<b>Zymbal's Gland</b>			
<b>Hyperplasia</b>			
<b>LESION RATES</b>			
OVERALL(a)	3/273 (1%)	0/134 (0%)	1/134 (1%)
POLY-3 RATE (b)	3/214.55	0/103.79	1/103.59
POLY-3 PERCENT (g)	1.4%	0%	1%
TERMINAL (d)	3/148 (2%)	0/68 (0%)	1/65 (2%)
FIRST INCIDENCE	764(T)	---	764(T)
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.392N	P=0.278N	P=0.584N
POLY 1.5	P=0.390N	P=0.275N	P=0.581N
POLY 6	P=0.397N	P=0.283N	P=0.588N
COCH-ARM / FISHERS	P=0.387N	P=0.301N	P=0.799
MAX-ISO-POLY-3	P=0.348N	P=0.151N	P=0.390N
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
Test Compound: Urethane + ethanol (combination)  
CAS Number: URETHCOMB

Date Report Requested: 10/24/2014  
Time Report Requested: 03:40:59  
First Dose M/F: NA / NA  
Lab: NCTR

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
LAST REMOVAL AT 110 WEEKS

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FEMALE			
DOSE	0% ETH/ 0PPM URE	2.5%ETH/90PPMURE	5.0%ETH/90PPMURE
<b>Adrenal Gland: Cortex</b>			
<b>Angiectasis</b>			
<b>LESION RATES</b>			
OVERALL(a)	5/277 (2%)	7/137 (5%)	1/139 (1%)
POLY-3 RATE (b)	5/235.17	7/109.02	1/109.35
POLY-3 PERCENT (g)	2.1%	6.4%	0.9%
TERMINAL (d)	2/168 (1%)	1/58 (2%)	0/63 (0%)
FIRST INCIDENCE	662	599	642
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.532N	P=0.045*	P=0.362N
POLY 1.5	P=0.505N	P=0.051	P=0.349N
POLY 6	P=0.569	P=0.038*	P=0.382N
COCH-ARM / FISHERS	P=0.466N	P=0.061	P=0.348N
MAX-ISO-POLY-3	P=0.182N	P=0.045*	P=0.252N
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/24/2014

Time Report Requested: 03:40:59

First Dose M/F: NA / NA

Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
LAST REMOVAL AT 110 WEEKS**

---

<b>FEMALE</b>			
<b>DOSE</b>	<b>0% ETH/ 0PPM URE</b>	<b>2.5%ETH/90PPMURE</b>	<b>5.0%ETH/90PPMURE</b>
<b>Adrenal Gland: Cortex</b>			
<b>Atrophy</b>			
<b>LESION RATES</b>			
<b>OVERALL(a)</b>	2/277 (1%)	1/137 (1%)	0/139 (0%)
<b>POLY-3 RATE (b)</b>	2/234.71	1/107.22	0/108.94
<b>POLY-3 PERCENT (g)</b>	0.9%	0.9%	0%
<b>TERMINAL (d)</b>	1/168 (1%)	0/58 (0%)	0/63 (0%)
<b>FIRST INCIDENCE</b>	662	614	---
<b>STATISTICAL TESTS</b>			
<b>POLY 3</b>	P=0.328N	P=0.706	P=0.420N
<b>POLY 1.5</b>	P=0.316N	P=0.717	P=0.412N
<b>POLY 6</b>	P=0.345N	P=0.689	P=0.432N
<b>COCH-ARM / FISHERS</b>	P=0.300N	P=0.702	P=0.443N
<b>MAX-ISO-POLY-3</b>	P=0.304N	P=0.476	P=0.211N
<b>HISTCONT SAME RTE</b>			
<b>HISTCONT ALL RTES</b>			
<b>CURR VS HC SAME RTE</b>			
<b>CURR VS HC ALL RTES</b>			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/24/2014

Time Report Requested: 03:40:59

First Dose M/F: NA / NA

Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
LAST REMOVAL AT 110 WEEKS**

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DOSE	FEMALE		
	0% ETH/ 0PPM URE	2.5%ETH/90PPMURE	5.0%ETH/90PPMURE
<b>Adrenal Gland: Cortex</b>			
<b>Autolysis</b>			
<b>LESION RATES</b>			
OVERALL(a)	4/277 (1%)	0/137 (0%)	2/139 (1%)
POLY-3 RATE (b)	4/236.01	0/106.73	2/109.81
POLY-3 PERCENT (g)	1.7%	0%	1.8%
TERMINAL (d)	0/168 (0%)	0/58 (0%)	0/63 (0%)
FIRST INCIDENCE	592	---	569
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.530N	P=0.213N	P=0.638
POLY 1.5	P=0.516N	P=0.201N	P=0.651
POLY 6	P=0.551N	P=0.231N	P=0.619
COCH-ARM / FISHERS	P=0.499N	P=0.199N	P=0.652
MAX-ISO-POLY-3	P=0.432N	P=0.132N	P=0.472
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
Test Compound: Urethane + ethanol (combination)  
CAS Number: URETHCOMB

Date Report Requested: 10/24/2014  
Time Report Requested: 03:40:59  
First Dose M/F: NA / NA  
Lab: NCTR

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
LAST REMOVAL AT 110 WEEKS

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DOSE	FEMALE		
	0% ETH/ 0PPM URE	2.5%ETH/90PPMURE	5.0%ETH/90PPMURE
<b>Adrenal Gland: Cortex</b>			
<b>Cyst</b>			
<b>LESION RATES</b>			
OVERALL(a)	0/277 (0%)	2/137 (1%)	0/139 (0%)
POLY-3 RATE (b)	0/234.36	2/107.44	0/108.94
POLY-3 PERCENT (g)	0%	1.9%	0%
TERMINAL (d)	0/168 (0%)	1/58 (2%)	0/63 (0%)
FIRST INCIDENCE	---	508	---
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.471	P=0.094	(e)
POLY 1.5	P=0.483	P=0.098	(e)
POLY 6	P=0.455	P=0.088	(e)
COCH-ARM / FISHERS	P=0.500	P=0.109	(e)
MAX-ISO-POLY-3	P=0.218	P=0.040*	(e)
HISTCONT SAME RTE			
HISTCONT ALL RTEs			
CURR VS HC SAME RTE			
CURR VS HC ALL RTEs			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/24/2014

Time Report Requested: 03:40:59

First Dose M/F: NA / NA

Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
LAST REMOVAL AT 110 WEEKS**

---

DOSE	FEMALE		
	0% ETH/ 0PPM URE	2.5%ETH/90PPMURE	5.0%ETH/90PPMURE
<b>Adrenal Gland: Cortex</b>			
<b>Hematopoietic Cell Proliferation</b>			
<b>LESION RATES</b>			
OVERALL(a)	4/277 (1%)	2/137 (1%)	2/139 (1%)
POLY-3 RATE (b)	4/235.66	2/107.67	2/109.90
POLY-3 PERCENT (g)	1.7%	1.9%	1.8%
TERMINAL (d)	1/168 (1%)	0/58 (0%)	0/63 (0%)
FIRST INCIDENCE	523	516	459
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.549	P=0.631	P=0.639
POLY 1.5	P=0.565	P=0.647	P=0.652
POLY 6	P=0.525	P=0.605	P=0.620
COCH-ARM / FISHERS	P=0.584N	P=0.646	P=0.652
MAX-ISO-POLY-3	P=0.631	P=0.465	P=0.473
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/24/2014

Time Report Requested: 03:40:59

First Dose M/F: NA / NA

Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
LAST REMOVAL AT 110 WEEKS**

---

DOSE	FEMALE		
	0% ETH/ 0PPM URE	2.5%ETH/90PPMURE	5.0%ETH/90PPMURE
<b>Adrenal Gland: Cortex</b>			
<b>Hyperplasia Focal</b>			
<b>LESION RATES</b>			
OVERALL(a)	0/277 (0%)	0/137 (0%)	0/139 (0%)
POLY-3 RATE (b)	0/234.36	0/106.73	0/108.94
POLY-3 PERCENT (g)	0%	0%	0%
TERMINAL (d)	0/168 (0%)	0/58 (0%)	0/63 (0%)
FIRST INCIDENCE	---	---	---
<b>STATISTICAL TESTS</b>			
POLY 3	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Test Compound: Urethane + ethanol (combination)  
 CAS Number: URETHCOMB

Date Report Requested: 10/24/2014  
 Time Report Requested: 03:40:59  
 First Dose M/F: NA / NA  
 Lab: NCTR

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
 LAST REMOVAL AT 110 WEEKS

DOSE	FEMALE		
	0% ETH/ 0PPM URE	2.5%ETH/90PPMURE	5.0%ETH/90PPMURE
<b>Adrenal Gland: Cortex</b>			
<b>Hypertrophy</b>			
<b>LESION RATES</b>			
OVERALL(a)	1/277 (0%)	0/137 (0%)	0/139 (0%)
POLY-3 RATE (b)	1/234.36	0/106.73	0/108.94
POLY-3 PERCENT (g)	0.4%	0%	0%
TERMINAL (d)	1/168 (1%)	0/58 (0%)	0/63 (0%)
FIRST INCIDENCE	765(T)	---	---
<b>STATISTICAL TESTS</b>			
POLY 3	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)  
 CAS Number: URETHCOMB

Date Report Requested: 10/24/2014  
 Time Report Requested: 03:40:59  
 First Dose M/F: NA / NA  
 Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
 LAST REMOVAL AT 110 WEEKS**

DOSE	FEMALE		
	0% ETH/ 0PPM URE	2.5%ETH/90PPMURE	5.0%ETH/90PPMURE
<b>Adrenal Gland: Cortex</b>			
<b>Infiltration Cellular Lymphocytic</b>			
<b>LESION RATES</b>			
OVERALL(a)	4/277 (1%)	1/137 (1%)	3/139 (2%)
POLY-3 RATE (b)	4/236.83	1/107.46	3/110.77
POLY-3 PERCENT (g)	1.7%	0.9%	2.7%
TERMINAL (d)	0/168 (0%)	0/58 (0%)	0/63 (0%)
FIRST INCIDENCE	466	499	485
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.384	P=0.477N	P=0.414
POLY 1.5	P=0.398	P=0.460N	P=0.428
POLY 6	P=0.362	P=0.503N	P=0.394
COCH-ARM / FISHERS	P=0.416	P=0.465N	P=0.431
MAX-ISO-POLY-3	P=0.338	P=0.326N	P=0.299
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
Test Compound: Urethane + ethanol (combination)  
CAS Number: URETHCOMB

Date Report Requested: 10/24/2014  
Time Report Requested: 03:40:59  
First Dose M/F: NA / NA  
Lab: NCTR

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
LAST REMOVAL AT 110 WEEKS

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FEMALE			
DOSE	0% ETH/ 0PPM URE	2.5%ETH/90PPMURE	5.0%ETH/90PPMURE
<b>Adrenal Gland: Cortex</b>			
<b>Necrosis</b>			
<b>LESION RATES</b>			
OVERALL(a)	0/277 (0%)	0/137 (0%)	0/139 (0%)
POLY-3 RATE (b)	0/234.36	0/106.73	0/108.94
POLY-3 PERCENT (g)	0%	0%	0%
TERMINAL (d)	0/168 (0%)	0/58 (0%)	0/63 (0%)
FIRST INCIDENCE	---	---	---
<b>STATISTICAL TESTS</b>			
POLY 3	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/24/2014

Time Report Requested: 03:40:59

First Dose M/F: NA / NA

Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
LAST REMOVAL AT 110 WEEKS**

---

<b>FEMALE</b>			
<b>DOSE</b>	<b>0% ETH/ 0PPM URE</b>	<b>2.5%ETH/90PPMURE</b>	<b>5.0%ETH/90PPMURE</b>
<b>Adrenal Gland: Cortex, Subcapsular</b>			
<b>Hyperplasia</b>			
<b>LESION RATES</b>			
<b>OVERALL(a)</b>	221/260 (85%)	102/122 (84%)	103/130 (79%)
<b>POLY-3 RATE (b)</b>	221/244.97	102/114.38	103/119.89
<b>POLY-3 PERCENT (g)</b>	90.2%	89.2%	85.9%
<b>TERMINAL (d)</b>	152/165 (92%)	53/58 (91%)	53/62 (85%)
<b>FIRST INCIDENCE</b>	489	306	559
<b>STATISTICAL TESTS</b>			
<b>POLY 3</b>	P=0.116N	P=0.448N	P=0.129N
<b>POLY 1.5</b>	P=0.110N	P=0.396N	P=0.124N
<b>POLY 6</b>	P=0.119N	P=0.557N	P=0.128N
<b>COCH-ARM / FISHERS</b>	P=0.093N	P=0.416N	P=0.100N
<b>MAX-ISO-POLY-3</b>	P=0.160N	P=0.387N	P=0.129N
<b>HISTCONT SAME RTE</b>			
<b>HISTCONT ALL RTES</b>			
<b>CURR VS HC SAME RTE</b>			
<b>CURR VS HC ALL RTES</b>			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)  
 CAS Number: URETHCOMB

Date Report Requested: 10/24/2014  
 Time Report Requested: 03:40:59  
 First Dose M/F: NA / NA  
 Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
 LAST REMOVAL AT 110 WEEKS**

DOSE	FEMALE		
	0% ETH/ 0PPM URE	2.5%ETH/90PPMURE	5.0%ETH/90PPMURE
<b>Adrenal Gland: Medulla</b>			
<b>Autolysis</b>			
<b>LESION RATES</b>			
OVERALL(a)	4/268 (1%)	0/133 (0%)	2/136 (1%)
POLY-3 RATE (b)	4/227.63	0/103.66	2/106.88
POLY-3 PERCENT (g)	1.8%	0%	1.9%
TERMINAL (d)	0/162 (0%)	0/58 (0%)	0/61 (0%)
FIRST INCIDENCE	592	---	569
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.526N	P=0.211N	P=0.642
POLY 1.5	P=0.512N	P=0.200N	P=0.655
POLY 6	P=0.546N	P=0.228N	P=0.622
COCH-ARM / FISHERS	P=0.495N	P=0.198N	P=0.657
MAX-ISO-POLY-3	P=0.429N	P=0.131N	P=0.476
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			



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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/24/2014

Time Report Requested: 03:40:59

First Dose M/F: NA / NA

Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
LAST REMOVAL AT 110 WEEKS**

---

<b>FEMALE</b>			
<b>DOSE</b>	<b>0% ETH/ 0PPM URE</b>	<b>2.5%ETH/90PPMURE</b>	<b>5.0%ETH/90PPMURE</b>
<b>Adrenal Gland: Medulla</b>			
<b>Hyperplasia</b>			
<b>LESION RATES</b>			
<b>OVERALL(a)</b>	5/268 (2%)	2/133 (2%)	2/136 (1%)
<b>POLY-3 RATE (b)</b>	5/225.98	2/103.95	2/106.01
<b>POLY-3 PERCENT (g)</b>	2.2%	1.9%	1.9%
<b>TERMINAL (d)</b>	5/162 (3%)	1/58 (2%)	2/61 (3%)
<b>FIRST INCIDENCE</b>	765(T)	681	765(T)
<b>STATISTICAL TESTS</b>			
<b>POLY 3</b>	P=0.498N	P=0.594N	P=0.585N
<b>POLY 1.5</b>	P=0.479N	P=0.576N	P=0.569N
<b>POLY 6</b>	P=0.526N	P=0.620N	P=0.607N
<b>COCH-ARM / FISHERS</b>	P=0.454N	P=0.575N	P=0.563N
<b>MAX-ISO-POLY-3</b>	P=0.591N	P=0.444N	P=0.436N
<b>HISTCONT SAME RTE</b>			
<b>HISTCONT ALL RTES</b>			
<b>CURR VS HC SAME RTE</b>			
<b>CURR VS HC ALL RTES</b>			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/24/2014

Time Report Requested: 03:40:59

First Dose M/F: NA / NA

Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
LAST REMOVAL AT 110 WEEKS**

---

<b>FEMALE</b>			
<b>DOSE</b>	<b>0% ETH/ 0PPM URE</b>	<b>2.5%ETH/90PPMURE</b>	<b>5.0%ETH/90PPMURE</b>
<hr/>			
<b>Bone Marrow</b>			
<b>Angiectasis</b>			
<hr/>			
<b>LESION RATES</b>			
<b>OVERALL(a)</b>	2/283 (1%)	2/142 (1%)	0/141 (0%)
<b>POLY-3 RATE (b)</b>	2/240.54	2/111.23	0/111.34
<b>POLY-3 PERCENT (g)</b>	0.8%	1.8%	0%
<b>TERMINAL (d)</b>	0/173 (0%)	1/60 (2%)	0/63 (0%)
<b>FIRST INCIDENCE</b>	705	737	---
<hr/>			
<b>STATISTICAL TESTS</b>			
<b>POLY 3</b>	P=0.417N	P=0.401	P=0.421N
<b>POLY 1.5</b>	P=0.402N	P=0.416	P=0.413N
<b>POLY 6</b>	P=0.437N	P=0.379	P=0.432N
<b>COCH-ARM / FISHERS</b>	P=0.382N	P=0.409	P=0.445N
<b>MAX-ISO-POLY-3</b>	P=0.257N	P=0.254	P=0.211N
<b>HISTCONT SAME RTE</b>			
<b>HISTCONT ALL RTES</b>			
<b>CURR VS HC SAME RTE</b>			
<b>CURR VS HC ALL RTES</b>			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/24/2014

Time Report Requested: 03:40:59

First Dose M/F: NA / NA

Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
LAST REMOVAL AT 110 WEEKS**

---

<b>FEMALE</b>			
<b>DOSE</b>	<b>0% ETH/ 0PPM URE</b>	<b>2.5%ETH/90PPMURE</b>	<b>5.0%ETH/90PPMURE</b>
<hr/>			
<b>Bone Marrow</b>			
<b>Autolysis</b>			
<hr/>			
<b>LESION RATES</b>			
<b>OVERALL(a)</b>	4/283 (1%)	2/142 (1%)	3/141 (2%)
<b>POLY-3 RATE (b)</b>	4/242.32	2/111.66	3/113.03
<b>POLY-3 PERCENT (g)</b>	1.7%	1.8%	2.7%
<b>TERMINAL (d)</b>	0/173 (0%)	0/60 (0%)	0/63 (0%)
<b>FIRST INCIDENCE</b>	584	689	496
<hr/>			
<b>STATISTICAL TESTS</b>			
<b>POLY 3</b>	P=0.346	P=0.634	P=0.412
<b>POLY 1.5</b>	P=0.361	P=0.651	P=0.426
<b>POLY 6</b>	P=0.324	P=0.607	P=0.393
<b>COCH-ARM / FISHERS</b>	P=0.379	P=0.652	P=0.428
<b>MAX-ISO-POLY-3</b>	P=0.410	P=0.469	P=0.298
<b>HISTCONT SAME RTE</b>			
<b>HISTCONT ALL RTES</b>			
<b>CURR VS HC SAME RTE</b>			
<b>CURR VS HC ALL RTES</b>			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/24/2014

Time Report Requested: 03:40:59

First Dose M/F: NA / NA

Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
LAST REMOVAL AT 110 WEEKS**

---

<b>FEMALE</b>			
<b>DOSE</b>	<b>0% ETH/ 0PPM URE</b>	<b>2.5%ETH/90PPMURE</b>	<b>5.0%ETH/90PPMURE</b>
<hr/>			
<b>Bone Marrow</b>			
<b>Hyperplasia</b>			
<hr/>			
<b>LESION RATES</b>			
<b>OVERALL(a)</b>	0/283 (0%)	0/142 (0%)	0/141 (0%)
<b>POLY-3 RATE (b)</b>	0/240.28	0/111.12	0/111.34
<b>POLY-3 PERCENT (g)</b>	0%	0%	0%
<b>TERMINAL (d)</b>	0/173 (0%)	0/60 (0%)	0/63 (0%)
<b>FIRST INCIDENCE</b>	---	---	---
<hr/>			
<b>STATISTICAL TESTS</b>			
<b>POLY 3</b>	(n)	(n)	(n)
<b>POLY 1.5</b>	(n)	(n)	(n)
<b>POLY 6</b>	(n)	(n)	(n)
<b>COCH-ARM / FISHERS</b>	(n)	(n)	(n)
<b>MAX-ISO-POLY-3</b>	(n)	(n)	(n)
<b>HISTCONT SAME RTE</b>			
<b>HISTCONT ALL RTES</b>			
<b>CURR VS HC SAME RTE</b>			
<b>CURR VS HC ALL RTES</b>			

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Test Compound: Urethane + ethanol (combination)  
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STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
 LAST REMOVAL AT 110 WEEKS

DOSE	FEMALE		
	0% ETH/ 0PPM URE	2.5%ETH/90PPMURE	5.0%ETH/90PPMURE
<b>Bone Marrow</b>			
<b>Necrosis</b>			
<b>LESION RATES</b>			
OVERALL(a)	0/283 (0%)	0/142 (0%)	0/141 (0%)
POLY-3 RATE (b)	0/240.28	0/111.12	0/111.34
POLY-3 PERCENT (g)	0%	0%	0%
TERMINAL (d)	0/173 (0%)	0/60 (0%)	0/63 (0%)
FIRST INCIDENCE	---	---	---
<b>STATISTICAL TESTS</b>			
POLY 3	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

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First Dose M/F: NA / NA

Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
LAST REMOVAL AT 110 WEEKS**

---

<b>FEMALE</b>			
<b>DOSE</b>	<b>0% ETH/ 0PPM URE</b>	<b>2.5%ETH/90PPMURE</b>	<b>5.0%ETH/90PPMURE</b>
<b>Bone Marrow: Myeloid Cell</b>			
<b>Hyperplasia</b>			
<b>LESION RATES</b>			
<b>OVERALL(a)</b>	25/283 (9%)	11/142 (8%)	19/141 (13%)
<b>POLY-3 RATE (b)</b>	25/246.65	11/115.28	19/118.29
<b>POLY-3 PERCENT (g)</b>	10.1%	9.5%	16.1%
<b>TERMINAL (d)</b>	10/173 (6%)	2/60 (3%)	3/63 (5%)
<b>FIRST INCIDENCE</b>	438	516	249
<b>STATISTICAL TESTS</b>			
<b>POLY 3</b>	P=0.077	P=0.505N	P=0.073
<b>POLY 1.5</b>	P=0.089	P=0.465N	P=0.081
<b>POLY 6</b>	P=0.063	P=0.565N	P=0.063
<b>COCH-ARM / FISHERS</b>	P=0.106	P=0.429N	P=0.097
<b>MAX-ISO-POLY-3</b>	P=0.095	P=0.441N	P=0.083
<b>HISTCONT SAME RTE</b>			
<b>HISTCONT ALL RTES</b>			
<b>CURR VS HC SAME RTE</b>			
<b>CURR VS HC ALL RTES</b>			

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
Test Compound: Urethane + ethanol (combination)  
CAS Number: URETHCOMB

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Lab: NCTR

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
LAST REMOVAL AT 110 WEEKS

---

DOSE	FEMALE		
	0% ETH/ 0PPM URE	2.5%ETH/90PPMURE	5.0%ETH/90PPMURE
<b>Bone: Calvarium</b>			
<b>Hyperostosis</b>			
<b>LESION RATES</b>			
OVERALL(a)	0/280 (0%)	0/139 (0%)	0/141 (0%)
POLY-3 RATE (b)	0/236.96	0/108.31	0/110.72
POLY-3 PERCENT (g)	0%	0%	0%
TERMINAL (d)	0/169 (0%)	0/59 (0%)	0/62 (0%)
FIRST INCIDENCE	---	---	---
<b>STATISTICAL TESTS</b>			
POLY 3	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/24/2014

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First Dose M/F: NA / NA

Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
LAST REMOVAL AT 110 WEEKS**

---

DOSE	FEMALE		
	0% ETH/ 0PPM URE	2.5%ETH/90PPMURE	5.0%ETH/90PPMURE
<b>Bone: Cartilage, Femur, Joint</b>			
<b>Degeneration</b>			
<b>LESION RATES</b>			
OVERALL(a)	0/280 (0%)	0/139 (0%)	0/141 (0%)
POLY-3 RATE (b)	0/236.96	0/108.31	0/110.72
POLY-3 PERCENT (g)	0%	0%	0%
TERMINAL (d)	0/169 (0%)	0/59 (0%)	0/62 (0%)
FIRST INCIDENCE	---	---	---
<b>STATISTICAL TESTS</b>			
POLY 3	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
Test Compound: Urethane + ethanol (combination)  
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STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
LAST REMOVAL AT 110 WEEKS

FEMALE			
DOSE	0% ETH/ 0PPM URE	2.5%ETH/90PPMURE	5.0%ETH/90PPMURE
<b>Bone: Femur</b>			
<b>Fibrous Osteodystrophy</b>			
<b>LESION RATES</b>			
OVERALL(a)	33/286 (12%)	9/143 (6%)	10/135 (7%)
POLY-3 RATE (b)	33/242.26	9/112.04	10/106.04
POLY-3 PERCENT (g)	13.6%	8%	9.4%
TERMINAL (d)	29/172 (17%)	8/60 (13%)	8/58 (14%)
FIRST INCIDENCE	680	651	662
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.098N	P=0.092N	P=0.182N
POLY 1.5	P=0.082N	P=0.075N	P=0.158N
POLY 6	P=0.127N	P=0.127N	P=0.219N
COCH-ARM / FISHERS	P=0.064N	P=0.057N	P=0.127N
MAX-ISO-POLY-3	P=0.135N	P=0.103N	P=0.182N
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Test Compound: Urethane + ethanol (combination)  
 CAS Number: URETHCOMB

Date Report Requested: 10/24/2014  
 Time Report Requested: 03:40:59  
 First Dose M/F: NA / NA  
 Lab: NCTR

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
 LAST REMOVAL AT 110 WEEKS

DOSE	FEMALE		
	0% ETH/ 0PPM URE	2.5%ETH/90PPMURE	5.0%ETH/90PPMURE
<b>Bone: Sternum</b>			
<b>Fibrous Osteodystrophy</b>			
<b>LESION RATES</b>			
OVERALL(a)	114/280 (41%)	39/139 (28%)	33/141 (23%)
POLY-3 RATE (b)	114/240.89	39/110.70	33/111.74
POLY-3 PERCENT (g)	47.3%	35.2%	29.5%
TERMINAL (d)	97/169 (57%)	29/59 (49%)	28/62 (45%)
FIRST INCIDENCE	590	640	662
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.000N**	P=0.020N*	P=0.001N**
POLY 1.5	P=0.000N**	P=0.012N*	P=0.001N**
POLY 6	P=0.001N**	P=0.044N*	P=0.002N**
COCH-ARM / FISHERS	P=0.000N**	P=0.007N**	P=0.000N**
MAX-ISO-POLY-3	P=0.000N**	P=0.034N*	P=0.003N**
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
Test Compound: Urethane + ethanol (combination)  
CAS Number: URETHCOMB

Date Report Requested: 10/24/2014  
Time Report Requested: 03:40:59  
First Dose M/F: NA / NA  
Lab: NCTR

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
LAST REMOVAL AT 110 WEEKS

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DOSE	FEMALE		
	0% ETH/ 0PPM URE	2.5%ETH/90PPMURE	5.0%ETH/90PPMURE
<b>Bone: Sternum</b>			
<b>Hyperostosis</b>			
<b>LESION RATES</b>			
OVERALL(a)	0/280 (0%)	0/139 (0%)	0/141 (0%)
POLY-3 RATE (b)	0/236.96	0/108.31	0/110.72
POLY-3 PERCENT (g)	0%	0%	0%
TERMINAL (d)	0/169 (0%)	0/59 (0%)	0/62 (0%)
FIRST INCIDENCE	---	---	---
<b>STATISTICAL TESTS</b>			
POLY 3	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/24/2014

Time Report Requested: 03:40:59

First Dose M/F: NA / NA

Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
 LAST REMOVAL AT 110 WEEKS**

DOSE	FEMALE		
	0% ETH/ 0PPM URE	2.5%ETH/90PPMURE	5.0%ETH/90PPMURE
<b>Brain: Cerebellum</b>			
<b>Hemorrhage</b>			
<b>LESION RATES</b>			
OVERALL(a)	0/285 (0%)	1/141 (1%)	4/135 (3%)
POLY-3 RATE (b)	0/241.51	1/110.74	4/106.60
POLY-3 PERCENT (g)	0%	0.9%	3.8%
TERMINAL (d)	0/172 (0%)	0/59 (0%)	0/57 (0%)
FIRST INCIDENCE	---	433	577
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.003**	P=0.346	P=0.007**
POLY 1.5	P=0.004**	P=0.353	P=0.007**
POLY 6	P=0.003**	P=0.337	P=0.006**
COCH-ARM / FISHERS	P=0.004**	P=0.331	P=0.010**
MAX-ISO-POLY-3	P=0.004**	P=0.110	P=0.006**
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/24/2014

Time Report Requested: 03:40:59

First Dose M/F: NA / NA

Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
LAST REMOVAL AT 110 WEEKS**

DOSE	FEMALE		
	0% ETH/ 0PPM URE	2.5%ETH/90PPMURE	5.0%ETH/90PPMURE
<b>Brain: Cerebrum</b>			
<b>Granuloma</b>			
<b>LESION RATES</b>			
OVERALL(a)	2/129 (2%)	0/72 (0%)	0/61 (0%)
POLY-3 RATE (b)	2/103.36	0/50.47	0/42.57
POLY-3 PERCENT (g)	1.9%	0%	0%
TERMINAL (d)	0/71 (0%)	0/23 (0%)	0/20 (0%)
FIRST INCIDENCE	705	---	---
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.222N	P=0.409N	P=0.450N
POLY 1.5	P=0.210N	P=0.391N	P=0.435N
POLY 6	P=0.240N	P=0.435N	P=0.470N
COCH-ARM / FISHERS	P=0.195N	P=0.411N	P=0.460N
MAX-ISO-POLY-3	P=0.274N	P=0.206N	P=0.233N
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Test Compound: Urethane + ethanol (combination)  
 CAS Number: URETHCOMB

Date Report Requested: 10/24/2014  
 Time Report Requested: 03:40:59  
 First Dose M/F: NA / NA  
 Lab: NCTR

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
 LAST REMOVAL AT 110 WEEKS

DOSE	FEMALE		
	0% ETH/ 0PPM URE	2.5%ETH/90PPMURE	5.0%ETH/90PPMURE
Brain: Cerebrum			
Hemorrhage			
<b>LESION RATES</b>			
OVERALL(a)	3/129 (2%)	1/72 (1%)	5/61 (8%)
POLY-3 RATE (b)	3/104.78	1/51.37	5/44.48
POLY-3 PERCENT (g)	2.9%	1.9%	11.2%
TERMINAL (d)	0/71 (0%)	0/23 (0%)	0/20 (0%)
FIRST INCIDENCE	427	353	577
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.040*	P=0.577N	P=0.048*
POLY 1.5	P=0.046*	P=0.552N	P=0.055
POLY 6	P=0.032*	P=0.612N	P=0.042*
COCH-ARM / FISHERS	P=0.054	P=0.548N	P=0.072
MAX-ISO-POLY-3	P=0.033*	P=0.389N	P=0.044*
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
Test Compound: Urethane + ethanol (combination)  
CAS Number: URETHCOMB

Date Report Requested: 10/24/2014  
Time Report Requested: 03:40:59  
First Dose M/F: NA / NA  
Lab: NCTR

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
LAST REMOVAL AT 110 WEEKS

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FEMALE			
DOSE	0% ETH/ 0PPM URE	2.5%ETH/90PPMURE	5.0%ETH/90PPMURE
<hr/>			
Brain: Cerebrum, Thalamus			
Mineralization			
<hr/>			
LESION RATES			
OVERALL(a)	157/280 (56%)	70/136 (51%)	82/140 (59%)
POLY-3 RATE (b)	157/257.00	70/119.06	82/124.15
POLY-3 PERCENT (g)	61.1%	58.8%	66%
TERMINAL (d)	101/172 (59%)	37/60 (62%)	40/63 (63%)
FIRST INCIDENCE	438	499	433
<hr/>			
STATISTICAL TESTS			
POLY 3	P=0.227	P=0.375N	P=0.199
POLY 1.5	P=0.290	P=0.284N	P=0.244
POLY 6	P=0.159	P=0.536N	P=0.154
COCH-ARM / FISHERS	P=0.406	P=0.218N	P=0.351
MAX-ISO-POLY-3	P=0.239	P=0.356N	P=0.205
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/24/2014

Time Report Requested: 03:40:59

First Dose M/F: NA / NA

Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
 LAST REMOVAL AT 110 WEEKS**

DOSE	FEMALE		
	0% ETH/ 0PPM URE	2.5%ETH/90PPMURE	5.0%ETH/90PPMURE
<b>Clitoral Gland</b>			
<b>Atrophy</b>			
<b>LESION RATES</b>			
OVERALL(a)	218/242 (90%)	105/114 (92%)	102/117 (87%)
POLY-3 RATE (b)	218/232.80	105/109.84	102/108.79
POLY-3 PERCENT (g)	93.6%	95.6%	93.8%
TERMINAL (d)	141/149 (95%)	49/51 (96%)	47/51 (92%)
FIRST INCIDENCE	391	388	433
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.470	P=0.300	P=0.585
POLY 1.5	P=0.533N	P=0.324	P=0.517N
POLY 6	P=0.448	P=0.296	P=0.569
COCH-ARM / FISHERS	P=0.280N	P=0.344	P=0.256N
MAX-ISO-POLY-3	P=0.497	P=0.247	P=0.485
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			



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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/24/2014

Time Report Requested: 03:40:59

First Dose M/F: NA / NA

Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
LAST REMOVAL AT 110 WEEKS**

---

<b>FEMALE</b>			
<b>DOSE</b>	<b>0% ETH/ 0PPM URE</b>	<b>2.5%ETH/90PPMURE</b>	<b>5.0%ETH/90PPMURE</b>
<b>Coagulating Gland</b>			
<b>Atrophy</b>			
<b>LESION RATES</b>			
<b>OVERALL(a)</b>	0/0 (0%)	0/0 (0%)	0/0 (0%)
<b>POLY-3 RATE (b)</b>	0/0.00	0/0.00	0/0.00
<b>POLY-3 PERCENT (g)</b>	0%	0%	0%
<b>TERMINAL (d)</b>	0/0 (0%)	0/0 (0%)	0/0 (0%)
<b>FIRST INCIDENCE</b>	---	---	---
<b>STATISTICAL TESTS</b>			
<b>POLY 3</b>	(n)	(n)	(n)
<b>POLY 1.5</b>	(n)	(n)	(n)
<b>POLY 6</b>	(n)	(n)	(n)
<b>COCH-ARM / FISHERS</b>	(n)	(n)	(n)
<b>MAX-ISO-POLY-3</b>	(n)	(n)	(n)
<b>HISTCONT SAME RTE</b>			
<b>HISTCONT ALL RTES</b>			
<b>CURR VS HC SAME RTE</b>			
<b>CURR VS HC ALL RTES</b>			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/24/2014

Time Report Requested: 03:40:59

First Dose M/F: NA / NA

Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
LAST REMOVAL AT 110 WEEKS**

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	FEMALE		
DOSE	0% ETH/ 0PPM URE	2.5%ETH/90PPMURE	5.0%ETH/90PPMURE
<hr/>			
Coagulating Gland Dilatation			
<hr/>			
<b>LESION RATES</b>			
OVERALL(a)	0/0 (0%)	0/0 (0%)	0/0 (0%)
POLY-3 RATE (b)	0/0.00	0/0.00	0/0.00
POLY-3 PERCENT (g)	0%	0%	0%
TERMINAL (d)	0/0 (0%)	0/0 (0%)	0/0 (0%)
FIRST INCIDENCE	---	---	---
<hr/>			
<b>STATISTICAL TESTS</b>			
POLY 3	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

---

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
Test Compound: Urethane + ethanol (combination)  
CAS Number: URETHCOMB

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

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
LAST REMOVAL AT 110 WEEKS

---

DOSE	FEMALE		
	0% ETH/ 0PPM URE	2.5%ETH/90PPMURE	5.0%ETH/90PPMURE
<b>Coagulating Gland</b>			
<b>Infiltration Cellular Lymphocytic</b>			
<b>LESION RATES</b>			
OVERALL(a)	0/0 (0%)	0/0 (0%)	0/0 (0%)
POLY-3 RATE (b)	0/0.00	0/0.00	0/0.00
POLY-3 PERCENT (g)	0%	0%	0%
TERMINAL (d)	0/0 (0%)	0/0 (0%)	0/0 (0%)
FIRST INCIDENCE	---	---	---
<b>STATISTICAL TESTS</b>			
POLY 3	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/24/2014

Time Report Requested: 03:40:59

First Dose M/F: NA / NA

Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
LAST REMOVAL AT 110 WEEKS**

---

DOSE	FEMALE		
	0% ETH/ 0PPM URE	2.5%ETH/90PPMURE	5.0%ETH/90PPMURE
<hr/>			
Coagulating Gland			
Inflammation Acute			
<hr/>			
<b>LESION RATES</b>			
OVERALL(a)	0/0 (0%)	0/0 (0%)	0/0 (0%)
POLY-3 RATE (b)	0/0.00	0/0.00	0/0.00
POLY-3 PERCENT (g)	0%	0%	0%
TERMINAL (d)	0/0 (0%)	0/0 (0%)	0/0 (0%)
FIRST INCIDENCE	---	---	---
<hr/>			
<b>STATISTICAL TESTS</b>			
POLY 3	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

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First Dose M/F: NA / NA

Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
 LAST REMOVAL AT 110 WEEKS**

DOSE	FEMALE		
	0% ETH/ 0PPM URE	2.5%ETH/90PPMURE	5.0%ETH/90PPMURE
<b>Coagulating Gland</b>			
<b>Inflammation Chronic</b>			
<b>LESION RATES</b>			
OVERALL(a)	0/0 (0%)	0/0 (0%)	0/0 (0%)
POLY-3 RATE (b)	0/0.00	0/0.00	0/0.00
POLY-3 PERCENT (g)	0%	0%	0%
TERMINAL (d)	0/0 (0%)	0/0 (0%)	0/0 (0%)
FIRST INCIDENCE	---	---	---
<b>STATISTICAL TESTS</b>			
POLY 3	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/24/2014

Time Report Requested: 03:40:59

First Dose M/F: NA / NA

Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
LAST REMOVAL AT 110 WEEKS**

DOSE	FEMALE		
	0% ETH/ 0PPM URE	2.5%ETH/90PPMURE	5.0%ETH/90PPMURE
Esophagus			
Autolysis			
<b>LESION RATES</b>			
OVERALL(a)	2/283 (1%)	1/141 (1%)	1/141 (1%)
POLY-3 RATE (b)	2/240.79	1/110.91	1/111.30
POLY-3 PERCENT (g)	0.8%	0.9%	0.9%
TERMINAL (d)	0/172 (0%)	0/60 (0%)	0/62 (0%)
FIRST INCIDENCE	584	690	686
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.594	P=0.708	P=0.709
POLY 1.5	P=0.604	P=0.719	P=0.718
POLY 6	P=0.577	P=0.691	P=0.696
COCH-ARM / FISHERS	P=0.618	P=0.704	P=0.704
MAX-ISO-POLY-3	P=0.642	P=0.478	P=0.479
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/24/2014

Time Report Requested: 03:40:59

First Dose M/F: NA / NA

Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
LAST REMOVAL AT 110 WEEKS**

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DOSE	FEMALE		
	0% ETH/ 0PPM URE	2.5%ETH/90PPMURE	5.0%ETH/90PPMURE
<hr/>			
Eye			
Atrophy			
<hr/>			
<b>LESION RATES</b>			
OVERALL(a)	3/284 (1%)	3/139 (2%)	5/140 (4%)
POLY-3 RATE (b)	3/241.06	3/110.57	5/111.32
POLY-3 PERCENT (g)	1.2%	2.7%	4.5%
TERMINAL (d)	1/173 (1%)	0/60 (0%)	0/62 (0%)
FIRST INCIDENCE	710	646	598
<hr/>			
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.046*	P=0.296	P=0.066
POLY 1.5	P=0.050*	P=0.308	P=0.071
POLY 6	P=0.041*	P=0.276	P=0.060
COCH-ARM / FISHERS	P=0.057	P=0.309	P=0.083
MAX-ISO-POLY-3	P=0.061	P=0.205	P=0.055
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/24/2014

Time Report Requested: 03:40:59

First Dose M/F: NA / NA

Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
LAST REMOVAL AT 110 WEEKS**

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<b>FEMALE</b>			
<b>DOSE</b>	<b>0% ETH/ 0PPM URE</b>	<b>2.5%ETH/90PPMURE</b>	<b>5.0%ETH/90PPMURE</b>
<hr/>			
<b>Eye</b>			
<b>Autolysis</b>			
<hr/>			
<b>LESION RATES</b>			
<b>OVERALL(a)</b>	5/284 (2%)	0/139 (0%)	1/140 (1%)
<b>POLY-3 RATE (b)</b>	5/241.93	0/109.60	1/110.28
<b>POLY-3 PERCENT (g)</b>	2.1%	0%	0.9%
<b>TERMINAL (d)</b>	0/173 (0%)	0/60 (0%)	0/62 (0%)
<b>FIRST INCIDENCE</b>	584	---	569
<hr/>			
<b>STATISTICAL TESTS</b>			
<b>POLY 3</b>	P=0.185N	P=0.155N	P=0.370N
<b>POLY 1.5</b>	P=0.176N	P=0.146N	P=0.356N
<b>POLY 6</b>	P=0.200N	P=0.170N	P=0.391N
<b>COCH-ARM / FISHERS</b>	P=0.165N	P=0.135N	P=0.356N
<b>MAX-ISO-POLY-3</b>	P=0.209N	P=0.105N	P=0.258N
<b>HISTCONT SAME RTE</b>			
<b>HISTCONT ALL RTES</b>			
<b>CURR VS HC SAME RTE</b>			
<b>CURR VS HC ALL RTES</b>			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/24/2014

Time Report Requested: 03:40:59

First Dose M/F: NA / NA

Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
LAST REMOVAL AT 110 WEEKS**

DOSE	FEMALE		
	0% ETH/ 0PPM URE	2.5%ETH/90PPMURE	5.0%ETH/90PPMURE
Eye			
Phthisis Bulbi			
<b>LESION RATES</b>			
OVERALL(a)	8/284 (3%)	1/139 (1%)	2/140 (1%)
POLY-3 RATE (b)	8/242.35	1/109.95	2/110.02
POLY-3 PERCENT (g)	3.3%	0.9%	1.8%
TERMINAL (d)	2/173 (1%)	0/60 (0%)	1/62 (2%)
FIRST INCIDENCE	510	662	670
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.191N	P=0.173N	P=0.336N
POLY 1.5	P=0.178N	P=0.160N	P=0.318N
POLY 6	P=0.212N	P=0.195N	P=0.362N
COCH-ARM / FISHERS	P=0.162N	P=0.147N	P=0.304N
MAX-ISO-POLY-3	P=0.248N	P=0.137N	P=0.260N
HISTCONT SAME RTE			
HISTCONT ALL RTEs			
CURR VS HC SAME RTE			
CURR VS HC ALL RTEs			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 Test Compound: Urethane + ethanol (combination)  
 CAS Number: URETHCOMB

Date Report Requested: 10/24/2014  
 Time Report Requested: 03:40:59  
 First Dose M/F: NA / NA  
 Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
 LAST REMOVAL AT 110 WEEKS**

DOSE	FEMALE		
	0% ETH/ 0PPM URE	2.5%ETH/90PPMURE	5.0%ETH/90PPMURE
<b>Eye: Cornea</b>			
<b>Inflammation</b>			
<b>LESION RATES</b>			
OVERALL(a)	22/284 (8%)	15/139 (11%)	13/140 (9%)
POLY-3 RATE (b)	22/244.43	15/112.17	13/111.70
POLY-3 PERCENT (g)	9%	13.4%	11.6%
TERMINAL (d)	9/173 (5%)	4/60 (7%)	8/62 (13%)
FIRST INCIDENCE	590	608	559
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.196	P=0.144	P=0.282
POLY 1.5	P=0.229	P=0.168	P=0.314
POLY 6	P=0.152	P=0.114	P=0.238
COCH-ARM / FISHERS	P=0.278	P=0.194	P=0.356
MAX-ISO-POLY-3	P=0.274	P=0.147	P=0.259
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)  
 CAS Number: URETHCOMB

Date Report Requested: 10/24/2014  
 Time Report Requested: 03:40:59  
 First Dose M/F: NA / NA  
 Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
 LAST REMOVAL AT 110 WEEKS**

DOSE	FEMALE		
	0% ETH/ 0PPM URE	2.5%ETH/90PPMURE	5.0%ETH/90PPMURE
<b>Eye: Cornea</b>			
<b>Inflammation Acute</b>			
<b>LESION RATES</b>			
OVERALL(a)	0/284 (0%)	0/139 (0%)	0/140 (0%)
POLY-3 RATE (b)	0/240.68	0/109.60	0/109.69
POLY-3 PERCENT (g)	0%	0%	0%
TERMINAL (d)	0/173 (0%)	0/60 (0%)	0/62 (0%)
FIRST INCIDENCE	---	---	---
<b>STATISTICAL TESTS</b>			
POLY 3	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
Test Compound: Urethane + ethanol (combination)  
CAS Number: URETHCOMB

Date Report Requested: 10/24/2014  
Time Report Requested: 03:40:59  
First Dose M/F: NA / NA  
Lab: NCTR

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
LAST REMOVAL AT 110 WEEKS

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FEMALE			
DOSE	0% ETH/ 0PPM URE	2.5%ETH/90PPMURE	5.0%ETH/90PPMURE
<b>Eye: Cornea</b>			
<b>Inflammation Chronic</b>			
<b>LESION RATES</b>			
OVERALL(a)	0/284 (0%)	0/139 (0%)	0/140 (0%)
POLY-3 RATE (b)	0/240.68	0/109.60	0/109.69
POLY-3 PERCENT (g)	0%	0%	0%
TERMINAL (d)	0/173 (0%)	0/60 (0%)	0/62 (0%)
FIRST INCIDENCE	---	---	---
<b>STATISTICAL TESTS</b>			
POLY 3	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)  
 CAS Number: URETHCOMB

Date Report Requested: 10/24/2014  
 Time Report Requested: 03:40:59  
 First Dose M/F: NA / NA  
 Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
 LAST REMOVAL AT 110 WEEKS**

DOSE	FEMALE		
	0% ETH/ 0PPM URE	2.5%ETH/90PPMURE	5.0%ETH/90PPMURE
<b>Eye: Lens</b>			
<b>Cataract</b>			
<b>LESION RATES</b>			
OVERALL(a)	2/284 (1%)	3/139 (2%)	3/140 (2%)
POLY-3 RATE (b)	2/241.78	3/110.89	3/110.01
POLY-3 PERCENT (g)	0.8%	2.7%	2.7%
TERMINAL (d)	0/173 (0%)	0/60 (0%)	2/62 (3%)
FIRST INCIDENCE	391	360	674
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.115	P=0.187	P=0.185
POLY 1.5	P=0.124	P=0.196	P=0.194
POLY 6	P=0.103	P=0.173	P=0.172
COCH-ARM / FISHERS	P=0.137	P=0.202	P=0.204
MAX-ISO-POLY-3	P=0.160	P=0.124	P=0.124
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/24/2014

Time Report Requested: 03:40:59

First Dose M/F: NA / NA

Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
LAST REMOVAL AT 110 WEEKS**

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<b>FEMALE</b>			
<b>DOSE</b>	<b>0% ETH/ 0PPM URE</b>	<b>2.5%ETH/90PPMURE</b>	<b>5.0%ETH/90PPMURE</b>
<hr/>			
<b>Gallbladder</b>			
<b>Autolysis</b>			
<hr/>			
<b>LESION RATES</b>			
<b>OVERALL(a)</b>	19/275 (7%)	8/134 (6%)	7/136 (5%)
<b>POLY-3 RATE (b)</b>	19/241.88	8/108.00	7/109.99
<b>POLY-3 PERCENT (g)</b>	7.9%	7.4%	6.4%
<b>TERMINAL (d)</b>	0/172 (0%)	0/60 (0%)	0/60 (0%)
<b>FIRST INCIDENCE</b>	541	626	347
<hr/>			
<b>STATISTICAL TESTS</b>			
<b>POLY 3</b>	P=0.355N	P=0.528N	P=0.393N
<b>POLY 1.5</b>	P=0.317N	P=0.488N	P=0.359N
<b>POLY 6</b>	P=0.415N	P=0.585	P=0.444N
<b>COCH-ARM / FISHERS</b>	P=0.273N	P=0.450N	P=0.324N
<b>MAX-ISO-POLY-3</b>	P=0.469N	P=0.452N	P=0.341N
<b>HISTCONT SAME RTE</b>			
<b>HISTCONT ALL RTES</b>			
<b>CURR VS HC SAME RTE</b>			
<b>CURR VS HC ALL RTES</b>			

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
Test Compound: Urethane + ethanol (combination)  
CAS Number: URETHCOMB

Date Report Requested: 10/24/2014  
Time Report Requested: 03:40:59  
First Dose M/F: NA / NA  
Lab: NCTR

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
LAST REMOVAL AT 110 WEEKS

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DOSE	FEMALE		
	0% ETH/ 0PPM URE	2.5%ETH/90PPMURE	5.0%ETH/90PPMURE
<b>Gallbladder</b>			
<b>Infiltration Cellular Lymphocytic</b>			
<b>LESION RATES</b>			
OVERALL(a)	3/275 (1%)	1/134 (1%)	1/136 (1%)
POLY-3 RATE (b)	3/235.00	1/106.29	1/106.11
POLY-3 PERCENT (g)	1.3%	0.9%	0.9%
TERMINAL (d)	3/172 (2%)	1/60 (2%)	1/60 (2%)
FIRST INCIDENCE	765(T)	765(T)	765(T)
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.490N	P=0.607N	P=0.607N
POLY 1.5	P=0.473N	P=0.594N	P=0.594N
POLY 6	P=0.513N	P=0.626N	P=0.626N
COCH-ARM / FISHERS	P=0.452N	P=0.797	P=0.801
MAX-ISO-POLY-3	P=0.560N	P=0.412N	P=0.413N
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/24/2014

Time Report Requested: 03:40:59

First Dose M/F: NA / NA

Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
 LAST REMOVAL AT 110 WEEKS**

DOSE	FEMALE		
	0% ETH/ 0PPM URE	2.5%ETH/90PPMURE	5.0%ETH/90PPMURE
<b>Gallbladder</b>			
<b>Inflammation Acute</b>			
<b>LESION RATES</b>			
OVERALL(a)	0/275 (0%)	0/134 (0%)	0/136 (0%)
POLY-3 RATE (b)	0/235.00	0/106.29	0/106.11
POLY-3 PERCENT (g)	0%	0%	0%
TERMINAL (d)	0/172 (0%)	0/60 (0%)	0/60 (0%)
FIRST INCIDENCE	---	---	---
<b>STATISTICAL TESTS</b>			
POLY 3	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			



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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/24/2014

Time Report Requested: 03:40:59

First Dose M/F: NA / NA

Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
LAST REMOVAL AT 110 WEEKS**

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<b>FEMALE</b>			
<b>DOSE</b>	<b>0% ETH/ 0PPM URE</b>	<b>2.5%ETH/90PPMURE</b>	<b>5.0%ETH/90PPMURE</b>
<b>Gallbladder</b>			
<b>Inflammation Chronic</b>			
<b>LESION RATES</b>			
<b>OVERALL(a)</b>	1/275 (0%)	0/134 (0%)	0/136 (0%)
<b>POLY-3 RATE (b)</b>	1/235.00	0/106.29	0/106.11
<b>POLY-3 PERCENT (g)</b>	0.4%	0%	0%
<b>TERMINAL (d)</b>	1/172 (1%)	0/60 (0%)	0/60 (0%)
<b>FIRST INCIDENCE</b>	765(T)	---	---
<b>STATISTICAL TESTS</b>			
<b>POLY 3</b>	(n)	(n)	(n)
<b>POLY 1.5</b>	(n)	(n)	(n)
<b>POLY 6</b>	(n)	(n)	(n)
<b>COCH-ARM / FISHERS</b>	(n)	(n)	(n)
<b>MAX-ISO-POLY-3</b>	(n)	(n)	(n)
<b>HISTCONT SAME RTE</b>			
<b>HISTCONT ALL RTES</b>			
<b>CURR VS HC SAME RTE</b>			
<b>CURR VS HC ALL RTES</b>			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/24/2014

Time Report Requested: 03:40:59

First Dose M/F: NA / NA

Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
LAST REMOVAL AT 110 WEEKS**

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<b>FEMALE</b>			
<b>DOSE</b>	<b>0% ETH/ 0PPM URE</b>	<b>2.5%ETH/90PPMURE</b>	<b>5.0%ETH/90PPMURE</b>
<b>Harderian Gland</b>			
<b>Hyperplasia</b>			
<b>LESION RATES</b>			
<b>OVERALL(a)</b>	2/287 (1%)	3/140 (2%)	3/140 (2%)
<b>POLY-3 RATE (b)</b>	2/242.77	3/110.14	3/111.35
<b>POLY-3 PERCENT (g)</b>	0.8%	2.7%	2.7%
<b>TERMINAL (d)</b>	2/173 (1%)	2/60 (3%)	0/62 (0%)
<b>FIRST INCIDENCE</b>	765(T)	650	459
<b>STATISTICAL TESTS</b>			
<b>POLY 3</b>	P=0.116	P=0.184	P=0.187
<b>POLY 1.5</b>	P=0.124	P=0.194	P=0.194
<b>POLY 6</b>	P=0.106	P=0.169	P=0.176
<b>COCH-ARM / FISHERS</b>	P=0.134	P=0.201	P=0.201
<b>MAX-ISO-POLY-3</b>	P=0.161	P=0.123	P=0.124
<b>HISTCONT SAME RTE</b>			
<b>HISTCONT ALL RTES</b>			
<b>CURR VS HC SAME RTE</b>			
<b>CURR VS HC ALL RTES</b>			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
**Test Compound:** Urethane + ethanol (combination)  
**CAS Number:** URETHCOMB

**Date Report Requested:** 10/24/2014  
**Time Report Requested:** 03:40:59  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)**  
**LAST REMOVAL AT 110 WEEKS**

DOSE	FEMALE		
	0% ETH/ 0PPM URE	2.5%ETH/90PPMURE	5.0%ETH/90PPMURE
<b>Harderian Gland</b>			
<b>Hyperplasia Focal</b>			
<b>LESION RATES</b>			
<b>OVERALL(a)</b>	0/287 (0%)	0/140 (0%)	0/140 (0%)
<b>POLY-3 RATE (b)</b>	0/242.77	0/109.76	0/109.69
<b>POLY-3 PERCENT (g)</b>	0%	0%	0%
<b>TERMINAL (d)</b>	0/173 (0%)	0/60 (0%)	0/62 (0%)
<b>FIRST INCIDENCE</b>	---	---	---
<b>STATISTICAL TESTS</b>			
<b>POLY 3</b>	(n)	(n)	(n)
<b>POLY 1.5</b>	(n)	(n)	(n)
<b>POLY 6</b>	(n)	(n)	(n)
<b>COCH-ARM / FISHERS</b>	(n)	(n)	(n)
<b>MAX-ISO-POLY-3</b>	(n)	(n)	(n)
<b>HISTCONT SAME RTE</b>			
<b>HISTCONT ALL RTES</b>			
<b>CURR VS HC SAME RTE</b>			
<b>CURR VS HC ALL RTES</b>			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/24/2014

Time Report Requested: 03:40:59

First Dose M/F: NA / NA

Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
 LAST REMOVAL AT 110 WEEKS**

DOSE	FEMALE		
	0% ETH/ 0PPM URE	2.5%ETH/90PPMURE	5.0%ETH/90PPMURE
<b>Harderian Gland</b>			
<b>Infiltration Cellular Lymphocytic</b>			
<b>LESION RATES</b>			
OVERALL(a)	58/287 (20%)	20/140 (14%)	14/140 (10%)
POLY-3 RATE (b)	58/247.57	20/113.30	14/112.56
POLY-3 PERCENT (g)	23.4%	17.7%	12.4%
TERMINAL (d)	45/173 (26%)	12/60 (20%)	7/62 (11%)
FIRST INCIDENCE	521	433	581
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.007N**	P=0.136N	P=0.011N*
POLY 1.5	P=0.005N**	P=0.108N	P=0.009N**
POLY 6	P=0.011N*	P=0.191N	P=0.017N*
COCH-ARM / FISHERS	P=0.003N**	P=0.086N	P=0.005N**
MAX-ISO-POLY-3	P=0.008N**	P=0.149N	P=0.021N*
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/24/2014

Time Report Requested: 03:40:59

First Dose M/F: NA / NA

Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
 LAST REMOVAL AT 110 WEEKS**

DOSE	FEMALE		
	0% ETH/ 0PPM URE	2.5%ETH/90PPMURE	5.0%ETH/90PPMURE
<b>Harderian Gland</b>			
<b>Inflammation</b>			
<b>LESION RATES</b>			
OVERALL(a)	0/287 (0%)	2/140 (1%)	1/140 (1%)
POLY-3 RATE (b)	0/242.77	2/109.86	1/109.69
POLY-3 PERCENT (g)	0%	1.8%	0.9%
TERMINAL (d)	0/173 (0%)	1/60 (2%)	1/62 (2%)
FIRST INCIDENCE	---	738	765(T)
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.167	P=0.092	P=0.344
POLY 1.5	P=0.175	P=0.096	P=0.349
POLY 6	P=0.156	P=0.086	P=0.336
COCH-ARM / FISHERS	P=0.186	P=0.107	P=0.328
MAX-ISO-POLY-3	P=0.149	P=0.040*	P=0.109
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Test Compound: Urethane + ethanol (combination)  
 CAS Number: URETHCOMB

Date Report Requested: 10/24/2014  
 Time Report Requested: 03:40:59  
 First Dose M/F: NA / NA  
 Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
 LAST REMOVAL AT 110 WEEKS**

DOSE	FEMALE		
	0% ETH/ 0PPM URE	2.5%ETH/90PPMURE	5.0%ETH/90PPMURE
<b>Harderian Gland</b>			
<b>Inflammation Chronic</b>			
<b>LESION RATES</b>			
OVERALL(a)	0/287 (0%)	0/140 (0%)	1/140 (1%)
POLY-3 RATE (b)	0/242.77	0/109.76	1/109.75
POLY-3 PERCENT (g)	0%	0%	0.9%
TERMINAL (d)	0/173 (0%)	0/60 (0%)	0/62 (0%)
FIRST INCIDENCE	---	---	751
<b>STATISTICAL TESTS</b>			
POLY 3	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/24/2014

Time Report Requested: 03:40:59

First Dose M/F: NA / NA

Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
LAST REMOVAL AT 110 WEEKS**

DOSE	FEMALE		
	0% ETH/ 0PPM URE	2.5%ETH/90PPMURE	5.0%ETH/90PPMURE
<b>Heart</b>			
<b>Angiectasis</b>			
<b>LESION RATES</b>			
OVERALL(a)	1/286 (0%)	5/143 (3%)	7/143 (5%)
POLY-3 RATE (b)	1/241.94	5/112.58	7/113.17
POLY-3 PERCENT (g)	0.4%	4.4%	6.2%
TERMINAL (d)	1/173 (1%)	2/60 (3%)	4/63 (6%)
FIRST INCIDENCE	765(T)	626	662
<b>STATISTICAL TESTS</b>			
POLY 3	P<0.001**	P=0.011*	P<0.001**
POLY 1.5	P<0.001**	P=0.013*	P<0.001**
POLY 6	P<0.001**	P=0.010**	P<0.001**
COCH-ARM / FISHERS	P=0.002**	P=0.017*	P=0.002**
MAX-ISO-POLY-3	P<0.001**	P=0.011*	P=0.002**
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 Test Compound: Urethane + ethanol (combination)  
 CAS Number: URETHCOMB

Date Report Requested: 10/24/2014  
 Time Report Requested: 03:40:59  
 First Dose M/F: NA / NA  
 Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
 LAST REMOVAL AT 110 WEEKS**

DOSE	FEMALE		
	0% ETH/ 0PPM URE	2.5%ETH/90PPMURE	5.0%ETH/90PPMURE
<b>Heart</b>			
<b>Bacterium</b>			
<b>LESION RATES</b>			
OVERALL(a)	0/286 (0%)	0/143 (0%)	0/143 (0%)
POLY-3 RATE (b)	0/241.94	0/111.65	0/112.43
POLY-3 PERCENT (g)	0%	0%	0%
TERMINAL (d)	0/173 (0%)	0/60 (0%)	0/63 (0%)
FIRST INCIDENCE	---	---	---
<b>STATISTICAL TESTS</b>			
POLY 3	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			



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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 Test Compound: Urethane + ethanol (combination)  
 CAS Number: URETHCOMB

Date Report Requested: 10/24/2014  
 Time Report Requested: 03:40:59  
 First Dose M/F: NA / NA  
 Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
 LAST REMOVAL AT 110 WEEKS**

DOSE	FEMALE		
	0% ETH/ 0PPM URE	2.5%ETH/90PPMURE	5.0%ETH/90PPMURE
<b>Heart</b>			
<b>Cardiomyopathy</b>			
<b>LESION RATES</b>			
OVERALL(a)	15/286 (5%)	9/143 (6%)	8/143 (6%)
POLY-3 RATE (b)	15/243.36	9/113.72	8/113.64
POLY-3 PERCENT (g)	6.2%	7.9%	7%
TERMINAL (d)	6/173 (3%)	3/60 (5%)	2/63 (3%)
FIRST INCIDENCE	635	433	633
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.384	P=0.350	P=0.467
POLY 1.5	P=0.415	P=0.381	P=0.493
POLY 6	P=0.339	P=0.304	P=0.430
COCH-ARM / FISHERS	P=0.456	P=0.404	P=0.521
MAX-ISO-POLY-3	P=0.482	P=0.303	P=0.396
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/24/2014

Time Report Requested: 03:40:59

First Dose M/F: NA / NA

Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
LAST REMOVAL AT 110 WEEKS**

DOSE	FEMALE		
	0% ETH/ 0PPM URE	2.5%ETH/90PPMURE	5.0%ETH/90PPMURE
<b>Heart</b>			
<b>Mineralization</b>			
<b>LESION RATES</b>			
OVERALL(a)	8/286 (3%)	3/143 (2%)	5/143 (3%)
POLY-3 RATE (b)	8/244.97	3/112.93	5/113.70
POLY-3 PERCENT (g)	3.3%	2.7%	4.4%
TERMINAL (d)	0/173 (0%)	0/60 (0%)	0/63 (0%)
FIRST INCIDENCE	436	607	569
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.389	P=0.508N	P=0.410
POLY 1.5	P=0.411	P=0.483N	P=0.431
POLY 6	P=0.357	P=0.545N	P=0.382
COCH-ARM / FISHERS	P=0.439	P=0.471N	P=0.448
MAX-ISO-POLY-3	P=0.409	P=0.398N	P=0.328
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/24/2014

Time Report Requested: 03:40:59

First Dose M/F: NA / NA

Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
LAST REMOVAL AT 110 WEEKS**

DOSE	FEMALE		
	0% ETH/ 0PPM URE	2.5%ETH/90PPMURE	5.0%ETH/90PPMURE
Heart			
Necrosis			
<b>LESION RATES</b>			
OVERALL(a)	2/286 (1%)	1/143 (1%)	0/143 (0%)
POLY-3 RATE (b)	2/242.42	1/112.03	0/112.43
POLY-3 PERCENT (g)	0.8%	0.9%	0%
TERMINAL (d)	0/173 (0%)	0/60 (0%)	0/63 (0%)
FIRST INCIDENCE	676	654	---
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.327N	P=0.709	P=0.420N
POLY 1.5	P=0.316N	P=0.719	P=0.412N
POLY 6	P=0.344N	P=0.692	P=0.432N
COCH-ARM / FISHERS	P=0.300N	P=0.705	P=0.444N
MAX-ISO-POLY-3	P=0.305N	P=0.479	P=0.211N
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Test Compound: Urethane + ethanol (combination)  
 CAS Number: URETHCOMB

Date Report Requested: 10/24/2014  
 Time Report Requested: 03:40:59  
 First Dose M/F: NA / NA  
 Lab: NCTR

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
 LAST REMOVAL AT 110 WEEKS

DOSE	FEMALE		
	0% ETH/ 0PPM URE	2.5%ETH/90PPMURE	5.0%ETH/90PPMURE
<b>Heart: Artery</b>			
<b>Inflammation Chronic</b>			
<b>LESION RATES</b>			
OVERALL(a)	0/286 (0%)	0/143 (0%)	0/143 (0%)
POLY-3 RATE (b)	0/241.94	0/111.65	0/112.43
POLY-3 PERCENT (g)	0%	0%	0%
TERMINAL (d)	0/173 (0%)	0/60 (0%)	0/63 (0%)
FIRST INCIDENCE	---	---	---
<b>STATISTICAL TESTS</b>			
POLY 3	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/24/2014

Time Report Requested: 03:40:59

First Dose M/F: NA / NA

Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
LAST REMOVAL AT 110 WEEKS**

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	FEMALE		
DOSE	0% ETH/ 0PPM URE	2.5%ETH/90PPMURE	5.0%ETH/90PPMURE
<hr/>			
Heart: Atrium			
Thrombosis			
<hr/>			
<b>LESION RATES</b>			
OVERALL(a)	2/286 (1%)	2/143 (1%)	0/143 (0%)
POLY-3 RATE (b)	2/242.41	2/112.06	0/112.43
POLY-3 PERCENT (g)	0.8%	1.8%	0%
TERMINAL (d)	0/173 (0%)	0/60 (0%)	0/63 (0%)
FIRST INCIDENCE	683	698	---
<hr/>			
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.417N	P=0.401	P=0.420N
POLY 1.5	P=0.402N	P=0.415	P=0.412N
POLY 6	P=0.439N	P=0.380	P=0.432N
COCH-ARM / FISHERS	P=0.381N	P=0.407	P=0.444N
MAX-ISO-POLY-3	P=0.257N	P=0.254	P=0.211N
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/24/2014

Time Report Requested: 03:40:59

First Dose M/F: NA / NA

Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
 LAST REMOVAL AT 110 WEEKS**

DOSE	FEMALE		
	0% ETH/ 0PPM URE	2.5%ETH/90PPMURE	5.0%ETH/90PPMURE
<b>Heart: Endothelium</b>			
<b>Hyperplasia</b>			
<b>LESION RATES</b>			
OVERALL(a)	10/286 (3%)	11/143 (8%)	18/143 (13%)
POLY-3 RATE (b)	10/243.38	11/114.27	18/117.19
POLY-3 PERCENT (g)	4.1%	9.6%	15.4%
TERMINAL (d)	4/173 (2%)	2/60 (3%)	2/63 (3%)
FIRST INCIDENCE	618	614	485
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.000**	P=0.035*	P=0.000**
POLY 1.5	P=0.000**	P=0.041*	P=0.000**
POLY 6	P=0.000**	P=0.027*	P=0.000**
COCH-ARM / FISHERS	P=0.000**	P=0.051	P<0.001**
MAX-ISO-POLY-3	P=0.000**	P=0.041*	P<0.001**
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/24/2014

Time Report Requested: 03:40:59

First Dose M/F: NA / NA

Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
LAST REMOVAL AT 110 WEEKS**

DOSE	FEMALE		
	0% ETH/ 0PPM URE	2.5%ETH/90PPMURE	5.0%ETH/90PPMURE
<b>Heart: Epicardium</b>			
<b>Inflammation Acute</b>			
<b>LESION RATES</b>			
OVERALL(a)	0/286 (0%)	0/143 (0%)	0/143 (0%)
POLY-3 RATE (b)	0/241.94	0/111.65	0/112.43
POLY-3 PERCENT (g)	0%	0%	0%
TERMINAL (d)	0/173 (0%)	0/60 (0%)	0/63 (0%)
FIRST INCIDENCE	---	---	---
<b>STATISTICAL TESTS</b>			
POLY 3	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/24/2014

Time Report Requested: 03:40:59

First Dose M/F: NA / NA

Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
LAST REMOVAL AT 110 WEEKS**

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DOSE	FEMALE		
	0% ETH/ 0PPM URE	2.5%ETH/90PPMURE	5.0%ETH/90PPMURE
<b>Heart: Epicardium</b>			
<b>Inflammation Chronic</b>			
<b>LESION RATES</b>			
OVERALL(a)	1/286 (0%)	1/143 (1%)	3/143 (2%)
POLY-3 RATE (b)	1/242.12	1/112.37	3/113.28
POLY-3 PERCENT (g)	0.4%	0.9%	2.6%
TERMINAL (d)	0/173 (0%)	0/60 (0%)	0/63 (0%)
FIRST INCIDENCE	718	499	614
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.061	P=0.580	P=0.095
POLY 1.5	P=0.064	P=0.589	P=0.100
POLY 6	P=0.056	P=0.564	P=0.089
COCH-ARM / FISHERS	P=0.068	P=0.556	P=0.110
MAX-ISO-POLY-3	P=0.072	P=0.321	P=0.059
<b>HISTCONT SAME RTE</b>			
<b>HISTCONT ALL RTES</b>			
<b>CURR VS HC SAME RTE</b>			
<b>CURR VS HC ALL RTES</b>			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/24/2014

Time Report Requested: 03:40:59

First Dose M/F: NA / NA

Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
 LAST REMOVAL AT 110 WEEKS**

DOSE	FEMALE		
	0% ETH/ 0PPM URE	2.5%ETH/90PPMURE	5.0%ETH/90PPMURE
<b>Heart: Myocardium</b>			
<b>Inflammation</b>			
<b>LESION RATES</b>			
OVERALL(a)	3/286 (1%)	3/143 (2%)	1/143 (1%)
POLY-3 RATE (b)	3/242.56	3/112.21	1/112.43
POLY-3 PERCENT (g)	1.2%	2.7%	0.9%
TERMINAL (d)	0/173 (0%)	0/60 (0%)	1/63 (2%)
FIRST INCIDENCE	683	654	765(T)
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.590N	P=0.300	P=0.598N
POLY 1.5	P=0.571N	P=0.315	P=0.586N
POLY 6	P=0.570	P=0.277	P=0.615N
COCH-ARM / FISHERS	P=0.546N	P=0.319	P=0.593N
MAX-ISO-POLY-3	P=0.435N	P=0.208	P=0.405N
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/24/2014

Time Report Requested: 03:40:59

First Dose M/F: NA / NA

Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
LAST REMOVAL AT 110 WEEKS**

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	FEMALE		
DOSE	0% ETH/ 0PPM URE	2.5%ETH/90PPMURE	5.0%ETH/90PPMURE
<hr/>			
Heart: Myocardium			
Inflammation Acute			
<hr/>			
<b>LESION RATES</b>			
OVERALL(a)	0/286 (0%)	0/143 (0%)	0/143 (0%)
POLY-3 RATE (b)	0/241.94	0/111.65	0/112.43
POLY-3 PERCENT (g)	0%	0%	0%
TERMINAL (d)	0/173 (0%)	0/60 (0%)	0/63 (0%)
FIRST INCIDENCE	---	---	---
<hr/>			
<b>STATISTICAL TESTS</b>			
POLY 3	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/24/2014

Time Report Requested: 03:40:59

First Dose M/F: NA / NA

Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
LAST REMOVAL AT 110 WEEKS**

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DOSE	FEMALE		
	0% ETH/ 0PPM URE	2.5%ETH/90PPMURE	5.0%ETH/90PPMURE
<hr/>			
Heart: Myocardium			
Inflammation Chronic			
<hr/>			
LESION RATES			
OVERALL(a)	1/286 (0%)	0/143 (0%)	0/143 (0%)
POLY-3 RATE (b)	1/242.81	0/111.65	0/112.43
POLY-3 PERCENT (g)	0.4%	0%	0%
TERMINAL (d)	0/173 (0%)	0/60 (0%)	0/63 (0%)
FIRST INCIDENCE	391	---	---
<hr/>			
STATISTICAL TESTS			
POLY 3	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/24/2014

Time Report Requested: 03:40:59

First Dose M/F: NA / NA

Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
LAST REMOVAL AT 110 WEEKS**

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<b>FEMALE</b>			
<b>DOSE</b>	<b>0% ETH/ 0PPM URE</b>	<b>2.5%ETH/90PPMURE</b>	<b>5.0%ETH/90PPMURE</b>
<b>Heart: Myocardium</b>			
<b>Thrombosis</b>			
<b>LESION RATES</b>			
<b>OVERALL(a)</b>	1/286 (0%)	1/143 (1%)	2/143 (1%)
<b>POLY-3 RATE (b)</b>	1/242.02	1/111.65	2/112.43
<b>POLY-3 PERCENT (g)</b>	0.4%	0.9%	1.8%
<b>TERMINAL (d)</b>	0/173 (0%)	1/60 (2%)	2/63 (3%)
<b>FIRST INCIDENCE</b>	746	765(T)	765(T)
<b>STATISTICAL TESTS</b>			
<b>POLY 3</b>	P=0.167	P=0.578	P=0.250
<b>POLY 1.5</b>	P=0.174	P=0.588	P=0.258
<b>POLY 6</b>	P=0.157	P=0.562	P=0.239
<b>COCH-ARM / FISHERS</b>	P=0.182	P=0.556	P=0.259
<b>MAX-ISO-POLY-3</b>	P=0.192	P=0.320	P=0.139
<b>HISTCONT SAME RTE</b>			
<b>HISTCONT ALL RTES</b>			
<b>CURR VS HC SAME RTE</b>			
<b>CURR VS HC ALL RTES</b>			

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
Test Compound: Urethane + ethanol (combination)  
CAS Number: URETHCOMB

Date Report Requested: 10/24/2014  
Time Report Requested: 03:40:59  
First Dose M/F: NA / NA  
Lab: NCTR

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
LAST REMOVAL AT 110 WEEKS

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FEMALE			
DOSE	0% ETH/ 0PPM URE	2.5%ETH/90PPMURE	5.0%ETH/90PPMURE
<b>Heart: Parenchym Cell Hypertrophy</b>			
<b>LESION RATES</b>			
OVERALL(a)	0/286 (0%)	0/143 (0%)	0/143 (0%)
POLY-3 RATE (b)	0/241.94	0/111.65	0/112.43
POLY-3 PERCENT (g)	0%	0%	0%
TERMINAL (d)	0/173 (0%)	0/60 (0%)	0/63 (0%)
FIRST INCIDENCE	---	---	---
<b>STATISTICAL TESTS</b>			
POLY 3	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 Test Compound: Urethane + ethanol (combination)  
 CAS Number: URETHCOMB

Date Report Requested: 10/24/2014  
 Time Report Requested: 03:40:59  
 First Dose M/F: NA / NA  
 Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
 LAST REMOVAL AT 110 WEEKS**

DOSE	FEMALE		
	0% ETH/ 0PPM URE	2.5%ETH/90PPMURE	5.0%ETH/90PPMURE
<b>Heart: Valve</b>			
<b>Inflammation Acute</b>			
<b>LESION RATES</b>			
OVERALL(a)	0/286 (0%)	0/143 (0%)	0/143 (0%)
POLY-3 RATE (b)	0/241.94	0/111.65	0/112.43
POLY-3 PERCENT (g)	0%	0%	0%
TERMINAL (d)	0/173 (0%)	0/60 (0%)	0/63 (0%)
FIRST INCIDENCE	---	---	---
<b>STATISTICAL TESTS</b>			
POLY 3	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
Test Compound: Urethane + ethanol (combination)  
CAS Number: URETHCOMB

Date Report Requested: 10/24/2014  
Time Report Requested: 03:40:59  
First Dose M/F: NA / NA  
Lab: NCTR

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
LAST REMOVAL AT 110 WEEKS

---

FEMALE			
DOSE	0% ETH/ 0PPM URE	2.5%ETH/90PPMURE	5.0%ETH/90PPMURE
<b>Heart: Valve</b>			
<b>Inflammation Chronic</b>			
<b>LESION RATES</b>			
OVERALL(a)	0/286 (0%)	0/143 (0%)	0/143 (0%)
POLY-3 RATE (b)	0/241.94	0/111.65	0/112.43
POLY-3 PERCENT (g)	0%	0%	0%
TERMINAL (d)	0/173 (0%)	0/60 (0%)	0/63 (0%)
FIRST INCIDENCE	---	---	---
<b>STATISTICAL TESTS</b>			
POLY 3	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)  
 CAS Number: URETHCOMB

Date Report Requested: 10/24/2014  
 Time Report Requested: 03:40:59  
 First Dose M/F: NA / NA  
 Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
 LAST REMOVAL AT 110 WEEKS**

DOSE	FEMALE		
	0% ETH/ 0PPM URE	2.5%ETH/90PPMURE	5.0%ETH/90PPMURE
<b>Intestine Large: Cecum</b>			
<b>Autolysis</b>			
<b>LESION RATES</b>			
OVERALL(a)	28/276 (10%)	14/131 (11%)	11/128 (9%)
POLY-3 RATE (b)	28/247.52	14/110.03	11/106.73
POLY-3 PERCENT (g)	11.3%	12.7%	10.3%
TERMINAL (d)	0/171 (0%)	0/58 (0%)	0/58 (0%)
FIRST INCIDENCE	424	360	347
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.474N	P=0.420	P=0.464N
POLY 1.5	P=0.430N	P=0.459	P=0.428N
POLY 6	P=0.537	P=0.365	P=0.515N
COCH-ARM / FISHERS	P=0.373N	P=0.496	P=0.385N
MAX-ISO-POLY-3	P=0.512N	P=0.375	P=0.409N
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			



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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/24/2014

Time Report Requested: 03:40:59

First Dose M/F: NA / NA

Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
LAST REMOVAL AT 110 WEEKS**

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	FEMALE		
DOSE	0% ETH/ 0PPM URE	2.5%ETH/90PPMURE	5.0%ETH/90PPMURE
<hr/>			
Intestine Large: Cecum, Lymphoid Tiss			
Hyperplasia			
<hr/>			
LESION RATES			
OVERALL(a)	2/244 (1%)	2/116 (2%)	0/119 (0%)
POLY-3 RATE (b)	2/217.62	2/95.11	0/97.46
POLY-3 PERCENT (g)	0.9%	2.1%	0%
TERMINAL (d)	2/172 (1%)	2/57 (4%)	0/60 (0%)
FIRST INCIDENCE	765(T)	765(T)	---
<hr/>			
STATISTICAL TESTS			
POLY 3	P=0.433N	P=0.380	P=0.429N
POLY 1.5	P=0.416N	P=0.395	P=0.420N
POLY 6	P=0.456N	P=0.359	P=0.442N
COCH-ARM / FISHERS	P=0.391N	P=0.388	P=0.451N
MAX-ISO-POLY-3	P=0.262N	P=0.241	P=0.217N
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/24/2014

Time Report Requested: 03:40:59

First Dose M/F: NA / NA

Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
LAST REMOVAL AT 110 WEEKS**

---

<b>FEMALE</b>			
<b>DOSE</b>	<b>0% ETH/ 0PPM URE</b>	<b>2.5%ETH/90PPMURE</b>	<b>5.0%ETH/90PPMURE</b>
<hr/>			
<b>Intestine Large: Colon</b>			
<b>Autolysis</b>			
<hr/>			
<b>LESION RATES</b>			
<b>OVERALL(a)</b>	28/278 (10%)	13/132 (10%)	10/128 (8%)
<b>POLY-3 RATE (b)</b>	28/249.68	13/110.04	10/106.30
<b>POLY-3 PERCENT (g)</b>	11.2%	11.8%	9.4%
<b>TERMINAL (d)</b>	0/173 (0%)	0/58 (0%)	0/58 (0%)
<b>FIRST INCIDENCE</b>	424	360	347
<hr/>			
<b>STATISTICAL TESTS</b>			
<b>POLY 3</b>	P=0.375N	P=0.506	P=0.377N
<b>POLY 1.5</b>	P=0.332N	P=0.550	P=0.342N
<b>POLY 6</b>	P=0.439N	P=0.444	P=0.429N
<b>COCH-ARM / FISHERS</b>	P=0.279N	P=0.591	P=0.298N
<b>MAX-ISO-POLY-3</b>	P=0.449N	P=0.446	P=0.339N
<b>HISTCONT SAME RTE</b>			
<b>HISTCONT ALL RTES</b>			
<b>CURR VS HC SAME RTE</b>			
<b>CURR VS HC ALL RTES</b>			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/24/2014

Time Report Requested: 03:40:59

First Dose M/F: NA / NA

Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
LAST REMOVAL AT 110 WEEKS**

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DOSE	FEMALE		
	0% ETH/ 0PPM URE	2.5%ETH/90PPMURE	5.0%ETH/90PPMURE
<hr/>			
Intestine Large: Colon			
Inflammation Chronic			
<hr/>			
<b>LESION RATES</b>			
OVERALL(a)	0/278 (0%)	2/132 (2%)	0/128 (0%)
POLY-3 RATE (b)	0/237.34	2/103.83	0/100.54
POLY-3 PERCENT (g)	0%	1.9%	0%
TERMINAL (d)	0/173 (0%)	1/58 (2%)	0/58 (0%)
FIRST INCIDENCE	---	698	---
<hr/>			
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.449	P=0.087	(e)
POLY 1.5	P=0.461	P=0.092	(e)
POLY 6	P=0.433	P=0.082	(e)
COCH-ARM / FISHERS	P=0.480	P=0.103	(e)
MAX-ISO-POLY-3	P=0.216	P=0.038*	(e)
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/24/2014

Time Report Requested: 03:40:59

First Dose M/F: NA / NA

Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
LAST REMOVAL AT 110 WEEKS**

---

<b>FEMALE</b>			
<b>DOSE</b>	<b>0% ETH/ 0PPM URE</b>	<b>2.5%ETH/90PPMURE</b>	<b>5.0%ETH/90PPMURE</b>
<b>Intestine Large: Colon, Lymphoid Tiss</b>			
<b>Hyperplasia</b>			
<b>LESION RATES</b>			
<b>OVERALL(a)</b>	0/244 (0%)	2/116 (2%)	0/119 (0%)
<b>POLY-3 RATE (b)</b>	0/217.62	2/95.11	0/97.46
<b>POLY-3 PERCENT (g)</b>	0%	2.1%	0%
<b>TERMINAL (d)</b>	0/172 (0%)	2/57 (4%)	0/60 (0%)
<b>FIRST INCIDENCE</b>	---	765(T)	---
<b>STATISTICAL TESTS</b>			
<b>POLY 3</b>	P=0.460	P=0.087	(e)
<b>POLY 1.5</b>	P=0.473	P=0.092	(e)
<b>POLY 6</b>	P=0.443	P=0.081	(e)
<b>COCH-ARM / FISHERS</b>	P=0.493	P=0.103	(e)
<b>MAX-ISO-POLY-3</b>	P=0.214	P=0.038*	(e)
<b>HISTCONT SAME RTE</b>			
<b>HISTCONT ALL RTES</b>			
<b>CURR VS HC SAME RTE</b>			
<b>CURR VS HC ALL RTES</b>			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/24/2014

Time Report Requested: 03:40:59

First Dose M/F: NA / NA

Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
LAST REMOVAL AT 110 WEEKS**

---

<b>FEMALE</b>			
<b>DOSE</b>	<b>0% ETH/ 0PPM URE</b>	<b>2.5%ETH/90PPMURE</b>	<b>5.0%ETH/90PPMURE</b>
<b>Intestine Large: Rectum</b>			
<b>Autolysis</b>			
<b>LESION RATES</b>			
<b>OVERALL(a)</b>	17/279 (6%)	10/137 (7%)	9/130 (7%)
<b>POLY-3 RATE (b)</b>	17/246.47	10/113.11	9/107.21
<b>POLY-3 PERCENT (g)</b>	6.9%	8.8%	8.4%
<b>TERMINAL (d)</b>	0/173 (0%)	0/60 (0%)	0/58 (0%)
<b>FIRST INCIDENCE</b>	424	360	347
<b>STATISTICAL TESTS</b>			
<b>POLY 3</b>	P=0.317	P=0.334	P=0.393
<b>POLY 1.5</b>	P=0.348	P=0.365	P=0.420
<b>POLY 6</b>	P=0.274	P=0.291	P=0.356
<b>COCH-ARM / FISHERS</b>	P=0.390	P=0.391	P=0.450
<b>MAX-ISO-POLY-3</b>	P=0.439	P=0.293	P=0.341
<b>HISTCONT SAME RTE</b>			
<b>HISTCONT ALL RTES</b>			
<b>CURR VS HC SAME RTE</b>			
<b>CURR VS HC ALL RTES</b>			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 Test Compound: Urethane + ethanol (combination)  
 CAS Number: URETHCOMB

Date Report Requested: 10/24/2014  
 Time Report Requested: 03:40:59  
 First Dose M/F: NA / NA  
 Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
 LAST REMOVAL AT 110 WEEKS**

DOSE	FEMALE		
	0% ETH/ 0PPM URE	2.5%ETH/90PPMURE	5.0%ETH/90PPMURE
<b>Intestine Large: Rectum</b>			
<b>Inflammation Chronic</b>			
<b>LESION RATES</b>			
OVERALL(a)	0/279 (0%)	0/137 (0%)	0/130 (0%)
POLY-3 RATE (b)	0/238.34	0/107.84	0/101.93
POLY-3 PERCENT (g)	0%	0%	0%
TERMINAL (d)	0/173 (0%)	0/60 (0%)	0/58 (0%)
FIRST INCIDENCE	---	---	---
<b>STATISTICAL TESTS</b>			
POLY 3	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/24/2014

Time Report Requested: 03:40:59

First Dose M/F: NA / NA

Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
LAST REMOVAL AT 110 WEEKS**

---

	FEMALE		
DOSE	0% ETH/ 0PPM URE	2.5%ETH/90PPMURE	5.0%ETH/90PPMURE
<hr/>			
Intestine Small: Duodenum			
Autolysis			
<hr/>			
<b>LESION RATES</b>			
OVERALL(a)	37/272 (14%)	13/130 (10%)	12/122 (10%)
POLY-3 RATE (b)	37/250.42	13/109.13	12/102.50
POLY-3 PERCENT (g)	14.8%	11.9%	11.7%
TERMINAL (d)	2/173 (1%)	0/59 (0%)	0/56 (0%)
FIRST INCIDENCE	391	360	347
<hr/>			
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.218N	P=0.292N	P=0.282N
POLY 1.5	P=0.179N	P=0.245N	P=0.242N
POLY 6	P=0.277N	P=0.363N	P=0.338N
COCH-ARM / FISHERS	P=0.132N	P=0.195N	P=0.190N
MAX-ISO-POLY-3	P=0.304N	P=0.277N	P=0.269N
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/24/2014

Time Report Requested: 03:40:59

First Dose M/F: NA / NA

Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
LAST REMOVAL AT 110 WEEKS**

---

<b>FEMALE</b>			
<b>DOSE</b>	<b>0% ETH/ 0PPM URE</b>	<b>2.5%ETH/90PPMURE</b>	<b>5.0%ETH/90PPMURE</b>
<hr/>			
<b>Intestine Small: Ileum</b>			
<b>Autolysis</b>			
<hr/>			
<b>LESION RATES</b>			
<b>OVERALL(a)</b>	38/265 (14%)	14/130 (11%)	14/123 (11%)
<b>POLY-3 RATE (b)</b>	38/241.42	14/109.13	14/103.58
<b>POLY-3 PERCENT (g)</b>	15.7%	12.8%	13.5%
<b>TERMINAL (d)</b>	2/162 (1%)	0/58 (0%)	1/57 (2%)
<b>FIRST INCIDENCE</b>	391	360	347
<hr/>			
<b>STATISTICAL TESTS</b>			
<b>POLY 3</b>	P=0.285N	P=0.294N	P=0.359N
<b>POLY 1.5</b>	P=0.244N	P=0.250N	P=0.319N
<b>POLY 6</b>	P=0.347N	P=0.362N	P=0.415N
<b>COCH-ARM / FISHERS</b>	P=0.193N	P=0.205N	P=0.266N
<b>MAX-ISO-POLY-3</b>	P=0.397N	P=0.277N	P=0.331N
<b>HISTCONT SAME RTE</b>			
<b>HISTCONT ALL RTES</b>			
<b>CURR VS HC SAME RTE</b>			
<b>CURR VS HC ALL RTES</b>			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 Test Compound: Urethane + ethanol (combination)  
 CAS Number: URETHCOMB

Date Report Requested: 10/24/2014  
 Time Report Requested: 03:40:59  
 First Dose M/F: NA / NA  
 Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
 LAST REMOVAL AT 110 WEEKS**

DOSE	FEMALE		
	0% ETH/ 0PPM URE	2.5%ETH/90PPMURE	5.0%ETH/90PPMURE
<b>Intestine Small: Ileum</b>			
<b>Inflammation Chronic</b>			
<b>LESION RATES</b>			
OVERALL(a)	0/265 (0%)	0/130 (0%)	0/123 (0%)
POLY-3 RATE (b)	0/224.68	0/102.85	0/96.95
POLY-3 PERCENT (g)	0%	0%	0%
TERMINAL (d)	0/162 (0%)	0/58 (0%)	0/57 (0%)
FIRST INCIDENCE	---	---	---
<b>STATISTICAL TESTS</b>			
POLY 3	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/24/2014

Time Report Requested: 03:41:00

First Dose M/F: NA / NA

Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
LAST REMOVAL AT 110 WEEKS**

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<b>FEMALE</b>			
<b>DOSE</b>	<b>0% ETH/ 0PPM URE</b>	<b>2.5%ETH/90PPMURE</b>	<b>5.0%ETH/90PPMURE</b>
<b>Intestine Small: Ileum, Lymphoid Tiss</b>			
<b>Hyperplasia</b>			
<b>LESION RATES</b>			
<b>OVERALL(a)</b>	11/229 (5%)	2/113 (2%)	2/112 (2%)
<b>POLY-3 RATE (b)</b>	11/206.66	2/92.77	2/93.19
<b>POLY-3 PERCENT (g)</b>	5.3%	2.2%	2.1%
<b>TERMINAL (d)</b>	11/166 (7%)	2/57 (4%)	2/60 (3%)
<b>FIRST INCIDENCE</b>	765(T)	765(T)	765(T)
<b>STATISTICAL TESTS</b>			
<b>POLY 3</b>	P=0.092N	P=0.179N	P=0.176N
<b>POLY 1.5</b>	P=0.082N	P=0.160N	P=0.162N
<b>POLY 6</b>	P=0.107N	P=0.207N	P=0.198N
<b>COCH-ARM / FISHERS</b>	P=0.071N	P=0.139N	P=0.142N
<b>MAX-ISO-POLY-3</b>	P=0.126N	P=0.153N	P=0.151N
<b>HISTCONT SAME RTE</b>			
<b>HISTCONT ALL RTES</b>			
<b>CURR VS HC SAME RTE</b>			
<b>CURR VS HC ALL RTES</b>			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/24/2014

Time Report Requested: 03:41:00

First Dose M/F: NA / NA

Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
LAST REMOVAL AT 110 WEEKS**

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	FEMALE		
DOSE	0% ETH/ 0PPM URE	2.5%ETH/90PPMURE	5.0%ETH/90PPMURE
<hr/>			
Intestine Small: Jejunum			
Autolysis			
<hr/>			
<b>LESION RATES</b>			
OVERALL(a)	38/273 (14%)	12/129 (9%)	14/120 (12%)
POLY-3 RATE (b)	38/249.42	12/108.39	14/100.61
POLY-3 PERCENT (g)	15.2%	11.1%	13.9%
TERMINAL (d)	2/170 (1%)	0/59 (0%)	1/55 (2%)
FIRST INCIDENCE	391	360	347
<hr/>			
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.322N	P=0.193N	P=0.442N
POLY 1.5	P=0.276N	P=0.159N	P=0.395N
POLY 6	P=0.390N	P=0.248N	P=0.505N
COCH-ARM / FISHERS	P=0.219N	P=0.124N	P=0.333N
MAX-ISO-POLY-3	P=0.400N	P=0.195N	P=0.399N
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/24/2014

Time Report Requested: 03:41:00

First Dose M/F: NA / NA

Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
LAST REMOVAL AT 110 WEEKS**

---

<b>FEMALE</b>			
<b>DOSE</b>	<b>0% ETH/ 0PPM URE</b>	<b>2.5%ETH/90PPMURE</b>	<b>5.0%ETH/90PPMURE</b>
<b>Intestine Small: Jejunum, Lymphoid Tiss</b>			
<b>Hyperplasia</b>			
<b>LESION RATES</b>			
<b>OVERALL(a)</b>	3/229 (1%)	2/113 (2%)	4/112 (4%)
<b>POLY-3 RATE (b)</b>	3/206.66	2/93.30	4/93.22
<b>POLY-3 PERCENT (g)</b>	1.5%	2.1%	4.3%
<b>TERMINAL (d)</b>	3/166 (2%)	1/57 (2%)	3/60 (5%)
<b>FIRST INCIDENCE</b>	765(T)	594	757
<b>STATISTICAL TESTS</b>			
<b>POLY 3</b>	P=0.105	P=0.521	P=0.140
<b>POLY 1.5</b>	P=0.114	P=0.538	P=0.150
<b>POLY 6</b>	P=0.094	P=0.497	P=0.128
<b>COCH-ARM / FISHERS</b>	P=0.126	P=0.534	P=0.164
<b>MAX-ISO-POLY-3</b>	P=0.141	P=0.361	P=0.106
<b>HISTCONT SAME RTE</b>			
<b>HISTCONT ALL RTES</b>			
<b>CURR VS HC SAME RTE</b>			
<b>CURR VS HC ALL RTES</b>			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/24/2014

Time Report Requested: 03:41:00

First Dose M/F: NA / NA

Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
LAST REMOVAL AT 110 WEEKS**

---

<b>FEMALE</b>			
<b>DOSE</b>	<b>0% ETH/ 0PPM URE</b>	<b>2.5%ETH/90PPMURE</b>	<b>5.0%ETH/90PPMURE</b>
<b>Islets, Pancreatic</b>			
<b>Autolysis</b>			
<b>LESION RATES</b>			
<b>OVERALL(a)</b>	10/276 (4%)	6/135 (4%)	4/137 (3%)
<b>POLY-3 RATE (b)</b>	10/241.74	6/109.63	4/111.14
<b>POLY-3 PERCENT (g)</b>	4.1%	5.5%	3.6%
<b>TERMINAL (d)</b>	0/173 (0%)	0/60 (0%)	0/63 (0%)
<b>FIRST INCIDENCE</b>	515	542	347
<b>STATISTICAL TESTS</b>			
<b>POLY 3</b>	P=0.521N	P=0.391	P=0.521N
<b>POLY 1.5</b>	P=0.492N	P=0.417	P=0.498N
<b>POLY 6</b>	P=0.549	P=0.355	P=0.554N
<b>COCH-ARM / FISHERS</b>	P=0.453N	P=0.436	P=0.479N
<b>MAX-ISO-POLY-3</b>	P=0.503N	P=0.322	P=0.421N
<b>HISTCONT SAME RTE</b>			
<b>HISTCONT ALL RTES</b>			
<b>CURR VS HC SAME RTE</b>			
<b>CURR VS HC ALL RTES</b>			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/24/2014

Time Report Requested: 03:41:00

First Dose M/F: NA / NA

Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
 LAST REMOVAL AT 110 WEEKS**

DOSE	FEMALE		
	0% ETH/ 0PPM URE	2.5%ETH/90PPMURE	5.0%ETH/90PPMURE
<b>Islets, Pancreatic Hyperplasia</b>			
<b>LESION RATES</b>			
OVERALL(a)	32/276 (12%)	9/135 (7%)	11/137 (8%)
POLY-3 RATE (b)	32/239.66	9/109.07	11/111.81
POLY-3 PERCENT (g)	13.4%	8.3%	9.8%
TERMINAL (d)	19/173 (11%)	3/60 (5%)	2/63 (3%)
FIRST INCIDENCE	626	599	598
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.138N	P=0.119N	P=0.225N
POLY 1.5	P=0.121N	P=0.099N	P=0.203N
POLY 6	P=0.167N	P=0.153N	P=0.256N
COCH-ARM / FISHERS	P=0.100N	P=0.079N	P=0.173N
MAX-ISO-POLY-3	P=0.193N	P=0.127N	P=0.215N
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 Test Compound: Urethane + ethanol (combination)  
 CAS Number: URETHCOMB

Date Report Requested: 10/24/2014  
 Time Report Requested: 03:41:00  
 First Dose M/F: NA / NA  
 Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
 LAST REMOVAL AT 110 WEEKS**

DOSE	FEMALE		
	0% ETH/ 0PPM URE	2.5%ETH/90PPMURE	5.0%ETH/90PPMURE
<b>Islets, Pancreatic</b>			
<b>Infiltration Cellular Lymphocytic</b>			
<b>LESION RATES</b>			
OVERALL(a)	5/276 (2%)	2/135 (1%)	0/137 (0%)
POLY-3 RATE (b)	5/236.65	2/107.04	0/108.80
POLY-3 PERCENT (g)	2.1%	1.9%	0%
TERMINAL (d)	4/173 (2%)	2/60 (3%)	0/63 (0%)
FIRST INCIDENCE	696	765(T)	---
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.126N	P=0.602N	P=0.152N
POLY 1.5	P=0.118N	P=0.584N	P=0.144N
POLY 6	P=0.140N	P=0.629N	P=0.163N
COCH-ARM / FISHERS	P=0.106N	P=0.730	P=0.132N
MAX-ISO-POLY-3	P=0.149N	P=0.451N	P=0.102N
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/24/2014

Time Report Requested: 03:41:00

First Dose M/F: NA / NA

Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
 LAST REMOVAL AT 110 WEEKS**

DOSE	FEMALE		
	0% ETH/ 0PPM URE	2.5%ETH/90PPMURE	5.0%ETH/90PPMURE
<b>Kidney</b>			
<b>Accumulation Hyaline Droplet</b>			
<b>LESION RATES</b>			
OVERALL(a)	5/287 (2%)	2/143 (1%)	8/143 (6%)
POLY-3 RATE (b)	5/243.55	2/112.07	8/113.82
POLY-3 PERCENT (g)	2.1%	1.8%	7%
TERMINAL (d)	1/173 (1%)	0/60 (0%)	1/63 (2%)
FIRST INCIDENCE	650	698	598
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.018*	P=0.594N	P=0.021*
POLY 1.5	P=0.020*	P=0.575N	P=0.024*
POLY 6	P=0.015*	P=0.622N	P=0.018*
COCH-ARM / FISHERS	P=0.024*	P=0.572N	P=0.032*
MAX-ISO-POLY-3	P=0.020*	P=0.444N	P=0.025*
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			



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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/24/2014

Time Report Requested: 03:41:00

First Dose M/F: NA / NA

Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
LAST REMOVAL AT 110 WEEKS**

DOSE	FEMALE		
	0% ETH/ 0PPM URE	2.5%ETH/90PPMURE	5.0%ETH/90PPMURE
<b>Kidney</b>			
<b>Amyloid Deposition</b>			
<b>LESION RATES</b>			
OVERALL(a)	2/287 (1%)	1/143 (1%)	1/143 (1%)
POLY-3 RATE (b)	2/243.60	1/111.65	1/113.40
POLY-3 PERCENT (g)	0.8%	0.9%	0.9%
TERMINAL (d)	1/173 (1%)	1/60 (2%)	0/63 (0%)
FIRST INCIDENCE	424	765(T)	249
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.595	P=0.707	P=0.711
POLY 1.5	P=0.605	P=0.718	P=0.719
POLY 6	P=0.578	P=0.689	P=0.699
COCH-ARM / FISHERS	P=0.618	P=0.704	P=0.704
MAX-ISO-POLY-3	P=0.642	P=0.476	P=0.481
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/24/2014

Time Report Requested: 03:41:00

First Dose M/F: NA / NA

Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
LAST REMOVAL AT 110 WEEKS**

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<b>FEMALE</b>			
<b>DOSE</b>	<b>0% ETH/ 0PPM URE</b>	<b>2.5%ETH/90PPMURE</b>	<b>5.0%ETH/90PPMURE</b>
<hr/>			
<b>Kidney</b>			
<b>Autolysis</b>			
<hr/>			
<b>LESION RATES</b>			
<b>OVERALL(a)</b>	9/287 (3%)	2/143 (1%)	3/143 (2%)
<b>POLY-3 RATE (b)</b>	9/246.34	2/112.54	3/114.50
<b>POLY-3 PERCENT (g)</b>	3.7%	1.8%	2.6%
<b>TERMINAL (d)</b>	0/173 (0%)	0/60 (0%)	0/63 (0%)
<b>FIRST INCIDENCE</b>	549	551	347
<hr/>			
<b>STATISTICAL TESTS</b>			
<b>POLY 3</b>	P=0.299N	P=0.269N	P=0.424N
<b>POLY 1.5</b>	P=0.280N	P=0.248N	P=0.404N
<b>POLY 6</b>	P=0.330N	P=0.303N	P=0.455N
<b>COCH-ARM / FISHERS</b>	P=0.259N	P=0.232N	P=0.393N
<b>MAX-ISO-POLY-3</b>	P=0.365N	P=0.214N	P=0.335N
<b>HISTCONT SAME RTE</b>			
<b>HISTCONT ALL RTES</b>			
<b>CURR VS HC SAME RTE</b>			
<b>CURR VS HC ALL RTES</b>			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/24/2014

Time Report Requested: 03:41:00

First Dose M/F: NA / NA

Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
 LAST REMOVAL AT 110 WEEKS**

DOSE	FEMALE		
	0% ETH/ 0PPM URE	2.5%ETH/90PPMURE	5.0%ETH/90PPMURE
<b>Kidney</b>			
<b>Casts</b>			
<b>LESION RATES</b>			
OVERALL(a)	3/287 (1%)	0/143 (0%)	2/143 (1%)
POLY-3 RATE (b)	3/243.86	0/111.65	2/112.78
POLY-3 PERCENT (g)	1.2%	0%	1.8%
TERMINAL (d)	0/173 (0%)	0/60 (0%)	0/63 (0%)
FIRST INCIDENCE	616	---	685
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.530	P=0.293N	P=0.531
POLY 1.5	P=0.541	P=0.282N	P=0.544
POLY 6	P=0.512	P=0.312N	P=0.512
COCH-ARM / FISHERS	P=0.552	P=0.296N	P=0.538
MAX-ISO-POLY-3	P=0.352	P=0.165N	P=0.368
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 Test Compound: Urethane + ethanol (combination)  
 CAS Number: URETHCOMB

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

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
 LAST REMOVAL AT 110 WEEKS**

DOSE	FEMALE		
	0% ETH/ 0PPM URE	2.5%ETH/90PPMURE	5.0%ETH/90PPMURE
<b>Kidney</b>			
<b>Cyst</b>			
<b>LESION RATES</b>			
OVERALL(a)	1/287 (0%)	0/143 (0%)	1/143 (1%)
POLY-3 RATE (b)	1/242.77	0/111.65	1/112.43
POLY-3 PERCENT (g)	0.4%	0%	0.9%
TERMINAL (d)	1/173 (1%)	0/60 (0%)	1/63 (2%)
FIRST INCIDENCE	765(T)	---	765(T)
<b>STATISTICAL TESTS</b>			
POLY 3	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/24/2014

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First Dose M/F: NA / NA

Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
LAST REMOVAL AT 110 WEEKS**

DOSE	FEMALE		
	0% ETH/ 0PPM URE	2.5%ETH/90PPMURE	5.0%ETH/90PPMURE
<b>Kidney</b>			
<b>Glomerulosclerosis</b>			
<b>LESION RATES</b>			
OVERALL(a)	6/287 (2%)	5/143 (3%)	4/143 (3%)
POLY-3 RATE (b)	6/243.38	5/113.65	4/113.45
POLY-3 PERCENT (g)	2.5%	4.4%	3.5%
TERMINAL (d)	2/173 (1%)	0/60 (0%)	1/63 (2%)
FIRST INCIDENCE	635	516	644
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.300	P=0.258	P=0.414
POLY 1.5	P=0.318	P=0.275	P=0.430
POLY 6	P=0.273	P=0.233	P=0.391
COCH-ARM / FISHERS	P=0.344	P=0.285	P=0.439
MAX-ISO-POLY-3	P=0.368	P=0.205	P=0.318
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)  
 CAS Number: URETHCOMB

Date Report Requested: 10/24/2014  
 Time Report Requested: 03:41:00  
 First Dose M/F: NA / NA  
 Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
 LAST REMOVAL AT 110 WEEKS**

DOSE	FEMALE		
	0% ETH/ 0PPM URE	2.5%ETH/90PPMURE	5.0%ETH/90PPMURE
<b>Kidney</b>			
<b>Hydronephrosis</b>			
<b>LESION RATES</b>			
OVERALL(a)	4/287 (1%)	2/143 (1%)	0/143 (0%)
POLY-3 RATE (b)	4/243.04	2/112.73	0/112.43
POLY-3 PERCENT (g)	1.6%	1.8%	0%
TERMINAL (d)	2/173 (1%)	0/60 (0%)	0/63 (0%)
FIRST INCIDENCE	717	516	---
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.187N	P=0.637	P=0.207N
POLY 1.5	P=0.176N	P=0.652	P=0.199N
POLY 6	P=0.204N	P=0.612	P=0.220N
COCH-ARM / FISHERS	P=0.162N	P=0.649	P=0.197N
MAX-ISO-POLY-3	P=0.188N	P=0.471	P=0.128N
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/24/2014

Time Report Requested: 03:41:00

First Dose M/F: NA / NA

Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
LAST REMOVAL AT 110 WEEKS**

DOSE	FEMALE		
	0% ETH/ 0PPM URE	2.5%ETH/90PPMURE	5.0%ETH/90PPMURE
Kidney			
Infarct			
<b>LESION RATES</b>			
OVERALL(a)	7/287 (2%)	2/143 (1%)	0/143 (0%)
POLY-3 RATE (b)	7/243.02	2/113.00	0/112.43
POLY-3 PERCENT (g)	2.9%	1.8%	0%
TERMINAL (d)	6/173 (3%)	0/60 (0%)	0/63 (0%)
FIRST INCIDENCE	696	433	---
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.053N	P=0.399N	P=0.082N
POLY 1.5	P=0.049N*	P=0.380N	P=0.076N
POLY 6	P=0.061N	P=0.430N	P=0.091N
COCH-ARM / FISHERS	P=0.043N*	P=0.377N	P=0.058N
MAX-ISO-POLY-3	P=0.071N	P=0.302N	P=0.064N
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)  
 CAS Number: URETHCOMB

Date Report Requested: 10/24/2014  
 Time Report Requested: 03:41:00  
 First Dose M/F: NA / NA  
 Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
 LAST REMOVAL AT 110 WEEKS**

DOSE	FEMALE		
	0% ETH/ 0PPM URE	2.5%ETH/90PPMURE	5.0%ETH/90PPMURE
<b>Kidney</b>			
<b>Infiltration Cellular</b>			
<b>LESION RATES</b>			
OVERALL(a)	0/287 (0%)	2/143 (1%)	0/143 (0%)
POLY-3 RATE (b)	0/242.77	2/112.32	0/112.43
POLY-3 PERCENT (g)	0%	1.8%	0%
TERMINAL (d)	0/173 (0%)	0/60 (0%)	0/63 (0%)
FIRST INCIDENCE	---	608	---
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.472	P=0.095	(e)
POLY 1.5	P=0.483	P=0.099	(e)
POLY 6	P=0.456	P=0.089	(e)
COCH-ARM / FISHERS	P=0.499	P=0.110	(e)
MAX-ISO-POLY-3	P=0.219	P=0.041*	(e)
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			



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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)  
 CAS Number: URETHCOMB

Date Report Requested: 10/24/2014  
 Time Report Requested: 03:41:00  
 First Dose M/F: NA / NA  
 Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
 LAST REMOVAL AT 110 WEEKS**

DOSE	FEMALE		
	0% ETH/ 0PPM URE	2.5%ETH/90PPMURE	5.0%ETH/90PPMURE
<b>Kidney</b>			
<b>Infiltration Cellular Lymphocytic</b>			
<b>LESION RATES</b>			
OVERALL(a)	104/287 (36%)	45/143 (31%)	63/143 (44%)
POLY-3 RATE (b)	104/254.58	45/119.20	63/122.28
POLY-3 PERCENT (g)	40.9%	37.8%	51.5%
TERMINAL (d)	67/173 (39%)	24/60 (40%)	33/63 (52%)
FIRST INCIDENCE	427	306	459
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.046*	P=0.322N	P=0.030*
POLY 1.5	P=0.067	P=0.249N	P=0.042*
POLY 6	P=0.026*	P=0.452N	P=0.019*
COCH-ARM / FISHERS	P=0.109	P=0.192N	P=0.072
MAX-ISO-POLY-3	P=0.039*	P=0.312N	P=0.045*
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 Test Compound: Urethane + ethanol (combination)  
 CAS Number: URETHCOMB

Date Report Requested: 10/24/2014  
 Time Report Requested: 03:41:00  
 First Dose M/F: NA / NA  
 Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
 LAST REMOVAL AT 110 WEEKS**

DOSE	FEMALE		
	0% ETH/ 0PPM URE	2.5%ETH/90PPMURE	5.0%ETH/90PPMURE
<b>Kidney</b>			
<b>Inflammation Chronic</b>			
<b>LESION RATES</b>			
OVERALL(a)	0/287 (0%)	0/143 (0%)	0/143 (0%)
POLY-3 RATE (b)	0/242.77	0/111.65	0/112.43
POLY-3 PERCENT (g)	0%	0%	0%
TERMINAL (d)	0/173 (0%)	0/60 (0%)	0/63 (0%)
FIRST INCIDENCE	---	---	---
<b>STATISTICAL TESTS</b>			
POLY 3	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 Test Compound: Urethane + ethanol (combination)  
 CAS Number: URETHCOMB

Date Report Requested: 10/24/2014  
 Time Report Requested: 03:41:00  
 First Dose M/F: NA / NA  
 Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
 LAST REMOVAL AT 110 WEEKS**

DOSE	FEMALE		
	0% ETH/ 0PPM URE	2.5%ETH/90PPMURE	5.0%ETH/90PPMURE
<b>Kidney</b>			
<b>Metaplasia Osseous</b>			
<b>LESION RATES</b>			
OVERALL(a)	5/287 (2%)	1/143 (1%)	0/143 (0%)
POLY-3 RATE (b)	5/243.01	1/111.65	0/112.43
POLY-3 PERCENT (g)	2.1%	0.9%	0%
TERMINAL (d)	3/173 (2%)	1/60 (2%)	0/63 (0%)
FIRST INCIDENCE	710	765(T)	---
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.082N	P=0.367N	P=0.150N
POLY 1.5	P=0.076N	P=0.350N	P=0.143N
POLY 6	P=0.091N	P=0.394N	P=0.162N
COCH-ARM / FISHERS	P=0.069N	P=0.351N	P=0.131N
MAX-ISO-POLY-3	P=0.111N	P=0.256N	P=0.101N
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/24/2014

Time Report Requested: 03:41:00

First Dose M/F: NA / NA

Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
LAST REMOVAL AT 110 WEEKS**

DOSE	FEMALE		
	0% ETH/ 0PPM URE	2.5%ETH/90PPMURE	5.0%ETH/90PPMURE
<b>Kidney Mineralization</b>			
<b>LESION RATES</b>			
OVERALL(a)	5/287 (2%)	1/143 (1%)	3/143 (2%)
POLY-3 RATE (b)	5/244.29	1/111.65	3/113.57
POLY-3 PERCENT (g)	2%	0.9%	2.6%
TERMINAL (d)	1/173 (1%)	1/60 (2%)	0/63 (0%)
FIRST INCIDENCE	593	765(T)	598
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.504	P=0.369N	P=0.512
POLY 1.5	P=0.520	P=0.351N	P=0.527
POLY 6	P=0.480	P=0.398N	P=0.490
COCH-ARM / FISHERS	P=0.538	P=0.351N	P=0.531
MAX-ISO-POLY-3	P=0.420	P=0.258N	P=0.384
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/24/2014

Time Report Requested: 03:41:00

First Dose M/F: NA / NA

Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
LAST REMOVAL AT 110 WEEKS**

DOSE	FEMALE		
	0% ETH/ 0PPM URE	2.5%ETH/90PPMURE	5.0%ETH/90PPMURE
<b>Kidney</b>			
<b>Nephropathy</b>			
<b>LESION RATES</b>			
OVERALL(a)	0/287 (0%)	2/143 (1%)	2/143 (1%)
POLY-3 RATE (b)	0/242.77	2/111.65	2/112.66
POLY-3 PERCENT (g)	0%	1.8%	1.8%
TERMINAL (d)	0/173 (0%)	2/60 (3%)	1/63 (2%)
FIRST INCIDENCE	---	765(T)	703
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.056	P=0.095	P=0.096
POLY 1.5	P=0.060	P=0.099	P=0.099
POLY 6	P=0.051	P=0.088	P=0.091
COCH-ARM / FISHERS	P=0.065	P=0.110	P=0.110
MAX-ISO-POLY-3	P=0.075	P=0.041*	P=0.041*
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 Test Compound: Urethane + ethanol (combination)  
 CAS Number: URETHCOMB

Date Report Requested: 10/24/2014  
 Time Report Requested: 03:41:00  
 First Dose M/F: NA / NA  
 Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
 LAST REMOVAL AT 110 WEEKS**

DOSE	FEMALE		
	0% ETH/ 0PPM URE	2.5%ETH/90PPMURE	5.0%ETH/90PPMURE
<b>Kidney: Papilla</b>			
<b>Necrosis</b>			
<b>LESION RATES</b>			
OVERALL(a)	0/287 (0%)	0/143 (0%)	1/143 (1%)
POLY-3 RATE (b)	0/242.77	0/111.65	1/112.61
POLY-3 PERCENT (g)	0%	0%	0.9%
TERMINAL (d)	0/173 (0%)	0/60 (0%)	0/63 (0%)
FIRST INCIDENCE	---	---	716
<b>STATISTICAL TESTS</b>			
POLY 3	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/24/2014

Time Report Requested: 03:41:00

First Dose M/F: NA / NA

Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
LAST REMOVAL AT 110 WEEKS**

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DOSE	FEMALE		
	0% ETH/ 0PPM URE	2.5%ETH/90PPMURE	5.0%ETH/90PPMURE
<b>Kidney: Pelvis</b>			
<b>Dilatation</b>			
<b>LESION RATES</b>			
OVERALL(a)	0/287 (0%)	0/143 (0%)	0/143 (0%)
POLY-3 RATE (b)	0/242.77	0/111.65	0/112.43
POLY-3 PERCENT (g)	0%	0%	0%
TERMINAL (d)	0/173 (0%)	0/60 (0%)	0/63 (0%)
FIRST INCIDENCE	---	---	---
<b>STATISTICAL TESTS</b>			
POLY 3	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

---

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/24/2014

Time Report Requested: 03:41:00

First Dose M/F: NA / NA

Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
LAST REMOVAL AT 110 WEEKS**

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<b>FEMALE</b>			
<b>DOSE</b>	<b>0% ETH/ 0PPM URE</b>	<b>2.5%ETH/90PPMURE</b>	<b>5.0%ETH/90PPMURE</b>
<b>Kidney: Pelvis</b>			
<b>Inflammation Acute</b>			
<b>LESION RATES</b>			
<b>OVERALL(a)</b>	0/287 (0%)	0/143 (0%)	0/143 (0%)
<b>POLY-3 RATE (b)</b>	0/242.77	0/111.65	0/112.43
<b>POLY-3 PERCENT (g)</b>	0%	0%	0%
<b>TERMINAL (d)</b>	0/173 (0%)	0/60 (0%)	0/63 (0%)
<b>FIRST INCIDENCE</b>	---	---	---
<b>STATISTICAL TESTS</b>			
<b>POLY 3</b>	(n)	(n)	(n)
<b>POLY 1.5</b>	(n)	(n)	(n)
<b>POLY 6</b>	(n)	(n)	(n)
<b>COCH-ARM / FISHERS</b>	(n)	(n)	(n)
<b>MAX-ISO-POLY-3</b>	(n)	(n)	(n)
<b>HISTCONT SAME RTE</b>			
<b>HISTCONT ALL RTES</b>			
<b>CURR VS HC SAME RTE</b>			
<b>CURR VS HC ALL RTES</b>			

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Test Compound: Urethane + ethanol (combination)  
 CAS Number: URETHCOMB

Date Report Requested: 10/24/2014  
 Time Report Requested: 03:41:00  
 First Dose M/F: NA / NA  
 Lab: NCTR

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
 LAST REMOVAL AT 110 WEEKS

DOSE	FEMALE		
	0% ETH/ 0PPM URE	2.5%ETH/90PPMURE	5.0%ETH/90PPMURE
<b>Kidney: Pelvis</b>			
<b>Inflammation Chronic</b>			
<b>LESION RATES</b>			
OVERALL(a)	0/287 (0%)	0/143 (0%)	0/143 (0%)
POLY-3 RATE (b)	0/242.77	0/111.65	0/112.43
POLY-3 PERCENT (g)	0%	0%	0%
TERMINAL (d)	0/173 (0%)	0/60 (0%)	0/63 (0%)
FIRST INCIDENCE	---	---	---
<b>STATISTICAL TESTS</b>			
POLY 3	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
Test Compound: Urethane + ethanol (combination)  
CAS Number: URETHCOMB

Date Report Requested: 10/24/2014  
Time Report Requested: 03:41:00  
First Dose M/F: NA / NA  
Lab: NCTR

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
LAST REMOVAL AT 110 WEEKS

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DOSE	FEMALE		
	0% ETH/ 0PPM URE	2.5%ETH/90PPMURE	5.0%ETH/90PPMURE
<b>Kidney: Renal Tubule</b>			
<b>Accumulation Hyaline Droplet</b>			
<b>LESION RATES</b>			
OVERALL(a)	0/287 (0%)	0/143 (0%)	0/143 (0%)
POLY-3 RATE (b)	0/242.77	0/111.65	0/112.43
POLY-3 PERCENT (g)	0%	0%	0%
TERMINAL (d)	0/173 (0%)	0/60 (0%)	0/63 (0%)
FIRST INCIDENCE	---	---	---
<b>STATISTICAL TESTS</b>			
POLY 3	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)  
 CAS Number: URETHCOMB

Date Report Requested: 10/24/2014  
 Time Report Requested: 03:41:00  
 First Dose M/F: NA / NA  
 Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
 LAST REMOVAL AT 110 WEEKS**

DOSE	FEMALE		
	0% ETH/ 0PPM URE	2.5%ETH/90PPMURE	5.0%ETH/90PPMURE
<b>Kidney: Renal Tubule Degeneration</b>			
<b>LESION RATES</b>			
OVERALL(a)	0/287 (0%)	0/143 (0%)	0/143 (0%)
POLY-3 RATE (b)	0/242.77	0/111.65	0/112.43
POLY-3 PERCENT (g)	0%	0%	0%
TERMINAL (d)	0/173 (0%)	0/60 (0%)	0/63 (0%)
FIRST INCIDENCE	---	---	---
<b>STATISTICAL TESTS</b>			
POLY 3	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
Test Compound: Urethane + ethanol (combination)  
CAS Number: URETHCOMB

Date Report Requested: 10/24/2014  
Time Report Requested: 03:41:00  
First Dose M/F: NA / NA  
Lab: NCTR

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
LAST REMOVAL AT 110 WEEKS

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DOSE	FEMALE		
	0% ETH/ 0PPM URE	2.5%ETH/90PPMURE	5.0%ETH/90PPMURE
<b>Kidney: Renal Tubule</b>			
<b>Hyperplasia Focal</b>			
<b>LESION RATES</b>			
OVERALL(a)	0/287 (0%)	0/143 (0%)	0/143 (0%)
POLY-3 RATE (b)	0/242.77	0/111.65	0/112.43
POLY-3 PERCENT (g)	0%	0%	0%
TERMINAL (d)	0/173 (0%)	0/60 (0%)	0/63 (0%)
FIRST INCIDENCE	---	---	---
<b>STATISTICAL TESTS</b>			
POLY 3	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 Test Compound: Urethane + ethanol (combination)  
 CAS Number: URETHCOMB

Date Report Requested: 10/24/2014  
 Time Report Requested: 03:41:00  
 First Dose M/F: NA / NA  
 Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
 LAST REMOVAL AT 110 WEEKS**

DOSE	FEMALE		
	0% ETH/ 0PPM URE	2.5%ETH/90PPMURE	5.0%ETH/90PPMURE
<b>Lacrimal Gland</b>			
<b>Atrophy</b>			
<b>LESION RATES</b>			
OVERALL(a)	13/265 (5%)	9/132 (7%)	8/133 (6%)
POLY-3 RATE (b)	13/225.91	9/104.98	8/104.38
POLY-3 PERCENT (g)	5.8%	8.6%	7.7%
TERMINAL (d)	13/165 (8%)	8/59 (14%)	8/60 (13%)
FIRST INCIDENCE	765(T)	648	765(T)
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.253	P=0.238	P=0.340
POLY 1.5	P=0.284	P=0.263	P=0.368
POLY 6	P=0.212	P=0.203	P=0.302
COCH-ARM / FISHERS	P=0.328	P=0.285	P=0.401
MAX-ISO-POLY-3	P=0.354	P=0.211	P=0.291
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 Test Compound: Urethane + ethanol (combination)  
 CAS Number: URETHCOMB

Date Report Requested: 10/24/2014  
 Time Report Requested: 03:41:00  
 First Dose M/F: NA / NA  
 Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
 LAST REMOVAL AT 110 WEEKS**

DOSE	FEMALE		
	0% ETH/ 0PPM URE	2.5%ETH/90PPMURE	5.0%ETH/90PPMURE
<b>Lacrimal Gland</b>			
<b>Infiltration Cellular Lymphocytic</b>			
<b>LESION RATES</b>			
OVERALL(a)	144/265 (54%)	75/132 (57%)	76/133 (57%)
POLY-3 RATE (b)	144/238.98	75/116.10	76/116.56
POLY-3 PERCENT (g)	60.3%	64.6%	65.2%
TERMINAL (d)	105/165 (64%)	43/59 (73%)	40/60 (67%)
FIRST INCIDENCE	216	306	459
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.167	P=0.242	P=0.209
POLY 1.5	P=0.211	P=0.308	P=0.247
POLY 6	P=0.119	P=0.153	P=0.169
COCH-ARM / FISHERS	P=0.300	P=0.360	P=0.336
MAX-ISO-POLY-3	P=0.233	P=0.241	P=0.212
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 Test Compound: Urethane + ethanol (combination)  
 CAS Number: URETHCOMB

Date Report Requested: 10/24/2014  
 Time Report Requested: 03:41:00  
 First Dose M/F: NA / NA  
 Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
 LAST REMOVAL AT 110 WEEKS**

DOSE	FEMALE		
	0% ETH/ 0PPM URE	2.5%ETH/90PPMURE	5.0%ETH/90PPMURE
<b>Lacrimal Gland: Duct Dilatation</b>			
<b>LESION RATES</b>			
OVERALL(a)	7/265 (3%)	6/132 (5%)	3/133 (2%)
POLY-3 RATE (b)	7/225.91	6/104.58	3/104.38
POLY-3 PERCENT (g)	3.1%	5.7%	2.9%
TERMINAL (d)	7/165 (4%)	6/59 (10%)	3/60 (5%)
FIRST INCIDENCE	765(T)	765(T)	765(T)
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.497	P=0.202	P=0.591N
POLY 1.5	P=0.525	P=0.220	P=0.571N
POLY 6	P=0.457	P=0.177	P=0.619N
COCH-ARM / FISHERS	P=0.559N	P=0.236	P=0.557N
MAX-ISO-POLY-3	P=0.450	P=0.169	P=0.463N
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)  
 CAS Number: URETHCOMB

Date Report Requested: 10/24/2014  
 Time Report Requested: 03:41:00  
 First Dose M/F: NA / NA  
 Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
 LAST REMOVAL AT 110 WEEKS**

DOSE	FEMALE		
	0% ETH/ 0PPM URE	2.5%ETH/90PPMURE	5.0%ETH/90PPMURE
<b>Larynx</b>			
<b>Autolysis</b>			
<b>LESION RATES</b>			
OVERALL(a)	2/277 (1%)	1/139 (1%)	1/141 (1%)
POLY-3 RATE (b)	2/236.36	1/109.60	1/111.38
POLY-3 PERCENT (g)	0.8%	0.9%	0.9%
TERMINAL (d)	0/171 (0%)	0/60 (0%)	0/62 (0%)
FIRST INCIDENCE	584	690	686
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.599	P=0.710	P=0.714
POLY 1.5	P=0.610	P=0.720	P=0.722
POLY 6	P=0.582	P=0.693	P=0.700
COCH-ARM / FISHERS	P=0.613N	P=0.706	P=0.710
MAX-ISO-POLY-3	P=0.646	P=0.480	P=0.484
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			



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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/24/2014

Time Report Requested: 03:41:00

First Dose M/F: NA / NA

Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
 LAST REMOVAL AT 110 WEEKS**

DOSE	FEMALE		
	0% ETH/ 0PPM URE	2.5%ETH/90PPMURE	5.0%ETH/90PPMURE
Larynx			
Cyst			
<b>LESION RATES</b>			
OVERALL(a)	0/277 (0%)	0/139 (0%)	0/141 (0%)
POLY-3 RATE (b)	0/235.33	0/109.33	0/111.10
POLY-3 PERCENT (g)	0%	0%	0%
TERMINAL (d)	0/171 (0%)	0/60 (0%)	0/62 (0%)
FIRST INCIDENCE	---	---	---
<b>STATISTICAL TESTS</b>			
POLY 3	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 Test Compound: Urethane + ethanol (combination)  
 CAS Number: URETHCOMB

Date Report Requested: 10/24/2014  
 Time Report Requested: 03:41:00  
 First Dose M/F: NA / NA  
 Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
 LAST REMOVAL AT 110 WEEKS**

DOSE	FEMALE		
	0% ETH/ 0PPM URE	2.5%ETH/90PPMURE	5.0%ETH/90PPMURE
<b>Larynx</b>			
<b>Inflammation Acute</b>			
<b>LESION RATES</b>			
OVERALL(a)	0/277 (0%)	0/139 (0%)	0/141 (0%)
POLY-3 RATE (b)	0/235.33	0/109.33	0/111.10
POLY-3 PERCENT (g)	0%	0%	0%
TERMINAL (d)	0/171 (0%)	0/60 (0%)	0/62 (0%)
FIRST INCIDENCE	---	---	---
<b>STATISTICAL TESTS</b>			
POLY 3	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/24/2014

Time Report Requested: 03:41:00

First Dose M/F: NA / NA

Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
LAST REMOVAL AT 110 WEEKS**

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<b>FEMALE</b>			
<b>DOSE</b>	<b>0% ETH/ 0PPM URE</b>	<b>2.5%ETH/90PPMURE</b>	<b>5.0%ETH/90PPMURE</b>
<b>Liver</b>			
<b>Amyloid Deposition</b>			
<b>LESION RATES</b>			
<b>OVERALL(a)</b>	0/284 (0%)	0/140 (0%)	0/143 (0%)
<b>POLY-3 RATE (b)</b>	0/241.04	0/109.72	0/112.39
<b>POLY-3 PERCENT (g)</b>	0%	0%	0%
<b>TERMINAL (d)</b>	0/173 (0%)	0/60 (0%)	0/63 (0%)
<b>FIRST INCIDENCE</b>	---	---	---
<b>STATISTICAL TESTS</b>			
<b>POLY 3</b>	(n)	(n)	(n)
<b>POLY 1.5</b>	(n)	(n)	(n)
<b>POLY 6</b>	(n)	(n)	(n)
<b>COCH-ARM / FISHERS</b>	(n)	(n)	(n)
<b>MAX-ISO-POLY-3</b>	(n)	(n)	(n)
<b>HISTCONT SAME RTE</b>			
<b>HISTCONT ALL RTES</b>			
<b>CURR VS HC SAME RTE</b>			
<b>CURR VS HC ALL RTES</b>			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/24/2014

Time Report Requested: 03:41:00

First Dose M/F: NA / NA

Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
 LAST REMOVAL AT 110 WEEKS**

DOSE	FEMALE		
	0% ETH/ 0PPM URE	2.5%ETH/90PPMURE	5.0%ETH/90PPMURE
<b>Liver</b>			
<b>Angiectasis</b>			
<b>LESION RATES</b>			
OVERALL(a)	41/284 (14%)	32/140 (23%)	28/143 (20%)
POLY-3 RATE (b)	41/251.03	32/117.19	28/119.91
POLY-3 PERCENT (g)	16.3%	27.3%	23.4%
TERMINAL (d)	11/173 (6%)	8/60 (13%)	5/63 (8%)
FIRST INCIDENCE	424	516	559
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.031*	P=0.010**	P=0.069
POLY 1.5	P=0.041*	P=0.014*	P=0.083
POLY 6	P=0.021*	P=0.006**	P=0.055
COCH-ARM / FISHERS	P=0.063	P=0.023*	P=0.111
MAX-ISO-POLY-3	P=0.040*	P=0.018*	P=0.084
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)  
 CAS Number: URETHCOMB

Date Report Requested: 10/24/2014  
 Time Report Requested: 03:41:00  
 First Dose M/F: NA / NA  
 Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
 LAST REMOVAL AT 110 WEEKS**

DOSE	FEMALE		
	0% ETH/ 0PPM URE	2.5%ETH/90PPMURE	5.0%ETH/90PPMURE
Liver			
Autolysis			
<b>LESION RATES</b>			
OVERALL(a)	6/284 (2%)	2/140 (1%)	4/143 (3%)
POLY-3 RATE (b)	6/244.24	2/110.71	4/115.07
POLY-3 PERCENT (g)	2.5%	1.8%	3.5%
TERMINAL (d)	0/173 (0%)	0/60 (0%)	0/63 (0%)
FIRST INCIDENCE	515	551	347
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.393	P=0.501N	P=0.420
POLY 1.5	P=0.411	P=0.480N	P=0.437
POLY 6	P=0.365	P=0.533N	P=0.394
COCH-ARM / FISHERS	P=0.433	P=0.475N	P=0.445
MAX-ISO-POLY-3	P=0.392	P=0.376N	P=0.323
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/24/2014

Time Report Requested: 03:41:00

First Dose M/F: NA / NA

Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
 LAST REMOVAL AT 110 WEEKS**

DOSE	FEMALE		
	0% ETH/ 0PPM URE	2.5%ETH/90PPMURE	5.0%ETH/90PPMURE
<b>Liver</b>			
<b>Basophilic Focus</b>			
<b>LESION RATES</b>			
OVERALL(a)	6/284 (2%)	0/140 (0%)	0/143 (0%)
POLY-3 RATE (b)	6/241.57	0/109.72	0/112.39
POLY-3 PERCENT (g)	2.5%	0%	0%
TERMINAL (d)	4/173 (2%)	0/60 (0%)	0/63 (0%)
FIRST INCIDENCE	671	---	---
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.028N*	P=0.114N	P=0.110N
POLY 1.5	P=0.026N*	P=0.106N	P=0.103N
POLY 6	P=0.032N*	P=0.128N	P=0.121N
COCH-ARM / FISHERS	P=0.024N*	P=0.089N	P=0.085N
MAX-ISO-POLY-3	P=0.037N*	P=0.084N	P=0.080N
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
Test Compound: Urethane + ethanol (combination)  
CAS Number: URETHCOMB

Date Report Requested: 10/24/2014  
Time Report Requested: 03:41:00  
First Dose M/F: NA / NA  
Lab: NCTR

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
LAST REMOVAL AT 110 WEEKS

DOSE	FEMALE		
	0% ETH/ 0PPM URE	2.5%ETH/90PPMURE	5.0%ETH/90PPMURE
Liver			
Clear Cell Focus			
<b>LESION RATES</b>			
OVERALL(a)	4/284 (1%)	2/140 (1%)	0/143 (0%)
POLY-3 RATE (b)	4/241.67	2/110.53	0/112.39
POLY-3 PERCENT (g)	1.7%	1.8%	0%
TERMINAL (d)	3/173 (2%)	0/60 (0%)	0/63 (0%)
FIRST INCIDENCE	551	600	---
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.188N	P=0.631	P=0.206N
POLY 1.5	P=0.176N	P=0.647	P=0.197N
POLY 6	P=0.206N	P=0.607	P=0.219N
COCH-ARM / FISHERS	P=0.161N	P=0.644	P=0.194N
MAX-ISO-POLY-3	P=0.187N	P=0.466	P=0.127N
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 Test Compound: Urethane + ethanol (combination)  
 CAS Number: URETHCOMB

Date Report Requested: 10/24/2014  
 Time Report Requested: 03:41:00  
 First Dose M/F: NA / NA  
 Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
 LAST REMOVAL AT 110 WEEKS**

DOSE	FEMALE		
	0% ETH/ 0PPM URE	2.5%ETH/90PPMURE	5.0%ETH/90PPMURE
<b>Liver</b>			
<b>Eosinophilic Focus</b>			
<b>LESION RATES</b>			
OVERALL(a)	73/284 (26%)	69/140 (49%)	72/143 (50%)
POLY-3 RATE (b)	73/253.12	69/120.26	72/121.50
POLY-3 PERCENT (g)	28.8%	57.4%	59.3%
TERMINAL (d)	41/173 (24%)	37/60 (62%)	42/63 (67%)
FIRST INCIDENCE	521	360	559
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.000**	P=0.000**	P=0.000**
POLY 1.5	P=0.000**	P=0.000**	P=0.000**
POLY 6	P=0.000**	P=0.000**	P=0.000**
COCH-ARM / FISHERS	P=0.000**	P=0.000**	P=0.000**
MAX-ISO-POLY-3	P=0.000**	P=0.000**	P=0.000**
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			



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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)  
 CAS Number: URETHCOMB

Date Report Requested: 10/24/2014  
 Time Report Requested: 03:41:00  
 First Dose M/F: NA / NA  
 Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
 LAST REMOVAL AT 110 WEEKS**

DOSE	FEMALE		
	0% ETH/ 0PPM URE	2.5%ETH/90PPMURE	5.0%ETH/90PPMURE
<b>Liver</b>			
<b>Granuloma Focal</b>			
<b>LESION RATES</b>			
OVERALL(a)	9/284 (3%)	2/140 (1%)	1/143 (1%)
POLY-3 RATE (b)	9/241.04	2/110.66	1/112.39
POLY-3 PERCENT (g)	3.7%	1.8%	0.9%
TERMINAL (d)	9/173 (5%)	1/60 (2%)	1/63 (2%)
FIRST INCIDENCE	765(T)	306	765(T)
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.071N	P=0.266N	P=0.127N
POLY 1.5	P=0.064N	P=0.248N	P=0.117N
POLY 6	P=0.082N	P=0.296N	P=0.141N
COCH-ARM / FISHERS	P=0.057N	P=0.238N	P=0.099N
MAX-ISO-POLY-3	P=0.096N	P=0.211N	P=0.105N
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/24/2014

Time Report Requested: 03:41:00

First Dose M/F: NA / NA

Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
 LAST REMOVAL AT 110 WEEKS**

DOSE	FEMALE		
	0% ETH/ 0PPM URE	2.5%ETH/90PPMURE	5.0%ETH/90PPMURE
Liver			
Hematopoietic Cell Proliferation			
<b>LESION RATES</b>			
OVERALL(a)	58/284 (20%)	55/140 (39%)	56/143 (39%)
POLY-3 RATE (b)	58/252.84	55/122.01	56/124.27
POLY-3 PERCENT (g)	22.9%	45.1%	45.1%
TERMINAL (d)	26/173 (15%)	19/60 (32%)	22/63 (35%)
FIRST INCIDENCE	438	433	459
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.000**	P=0.000**	P=0.000**
POLY 1.5	P=0.000**	P=0.000**	P=0.000**
POLY 6	P=0.000**	P=0.000**	P=0.000**
COCH-ARM / FISHERS	P=0.000**	P=0.000**	P=0.000**
MAX-ISO-POLY-3	P=0.000**	P=0.000**	P=0.000**
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/24/2014

Time Report Requested: 03:41:00

First Dose M/F: NA / NA

Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
 LAST REMOVAL AT 110 WEEKS**

DOSE	FEMALE		
	0% ETH/ 0PPM URE	2.5%ETH/90PPMURE	5.0%ETH/90PPMURE
<b>Liver</b>			
<b>Infiltration Cellular Lymphocytic</b>			
<b>LESION RATES</b>			
OVERALL(a)	68/284 (24%)	20/140 (14%)	16/143 (11%)
POLY-3 RATE (b)	68/244.43	20/111.59	16/113.70
POLY-3 PERCENT (g)	27.8%	17.9%	14.1%
TERMINAL (d)	59/173 (34%)	13/60 (22%)	11/63 (17%)
FIRST INCIDENCE	438	626	629
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.001N**	P=0.030N*	P=0.003N**
POLY 1.5	P=0.001N**	P=0.021N*	P=0.002N**
POLY 6	P=0.002N**	P=0.051N	P=0.005N**
COCH-ARM / FISHERS	P=0.000N**	P=0.013N*	P=0.001N**
MAX-ISO-POLY-3	P=0.001N**	P=0.045N*	P=0.008N**
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)  
 CAS Number: URETHCOMB

Date Report Requested: 10/24/2014  
 Time Report Requested: 03:41:00  
 First Dose M/F: NA / NA  
 Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
 LAST REMOVAL AT 110 WEEKS**

DOSE	FEMALE		
	0% ETH/ 0PPM URE	2.5%ETH/90PPMURE	5.0%ETH/90PPMURE
<b>Liver</b>			
<b>Infiltration Cellular Mixed Cell</b>			
<b>LESION RATES</b>			
OVERALL(a)	0/284 (0%)	0/140 (0%)	0/143 (0%)
POLY-3 RATE (b)	0/241.04	0/109.72	0/112.39
POLY-3 PERCENT (g)	0%	0%	0%
TERMINAL (d)	0/173 (0%)	0/60 (0%)	0/63 (0%)
FIRST INCIDENCE	---	---	---
<b>STATISTICAL TESTS</b>			
POLY 3	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/24/2014

Time Report Requested: 03:41:00

First Dose M/F: NA / NA

Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
LAST REMOVAL AT 110 WEEKS**

DOSE	FEMALE		
	0% ETH/ 0PPM URE	2.5%ETH/90PPMURE	5.0%ETH/90PPMURE
<b>Liver</b>			
<b>Inflammation Chronic</b>			
<b>LESION RATES</b>			
OVERALL(a)	6/284 (2%)	2/140 (1%)	2/143 (1%)
POLY-3 RATE (b)	6/241.72	2/110.08	2/113.23
POLY-3 PERCENT (g)	2.5%	1.8%	1.8%
TERMINAL (d)	4/173 (2%)	1/60 (2%)	0/63 (0%)
FIRST INCIDENCE	648	659	531
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.389N	P=0.499N	P=0.484N
POLY 1.5	P=0.372N	P=0.479N	P=0.468N
POLY 6	P=0.416N	P=0.530N	P=0.508N
COCH-ARM / FISHERS	P=0.349N	P=0.475N	P=0.463N
MAX-ISO-POLY-3	P=0.493N	P=0.374N	P=0.362N
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/24/2014

Time Report Requested: 03:41:00

First Dose M/F: NA / NA

Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
LAST REMOVAL AT 110 WEEKS**

DOSE	FEMALE		
	0% ETH/ 0PPM URE	2.5%ETH/90PPMURE	5.0%ETH/90PPMURE
Liver			
Mixed Cell Focus			
LESION RATES			
OVERALL(a)	9/284 (3%)	14/140 (10%)	16/143 (11%)
POLY-3 RATE (b)	9/241.71	14/112.04	16/113.55
POLY-3 PERCENT (g)	3.7%	12.5%	14.1%
TERMINAL (d)	6/173 (3%)	8/60 (13%)	12/63 (19%)
FIRST INCIDENCE	635	594	629
STATISTICAL TESTS			
POLY 3	P=0.000**	P=0.002**	P=0.000**
POLY 1.5	P=0.000**	P=0.003**	P<0.001**
POLY 6	P=0.000**	P<0.001**	P=0.000**
COCH-ARM / FISHERS	P<0.001**	P=0.005**	P<0.001**
MAX-ISO-POLY-3	P=0.000**	P=0.004**	P<0.001**
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/24/2014

Time Report Requested: 03:41:00

First Dose M/F: NA / NA

Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
 LAST REMOVAL AT 110 WEEKS**

DOSE	FEMALE		
	0% ETH/ 0PPM URE	2.5%ETH/90PPMURE	5.0%ETH/90PPMURE
Liver			
Necrosis			
<b>LESION RATES</b>			
OVERALL(a)	24/284 (8%)	24/140 (17%)	19/143 (13%)
POLY-3 RATE (b)	24/246.14	24/115.23	19/117.19
POLY-3 PERCENT (g)	9.8%	20.8%	16.2%
TERMINAL (d)	5/173 (3%)	2/60 (3%)	3/63 (5%)
FIRST INCIDENCE	576	508	592
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.021*	P=0.003**	P=0.054
POLY 1.5	P=0.027*	P=0.004**	P=0.064
POLY 6	P=0.015*	P=0.002**	P=0.044*
COCH-ARM / FISHERS	P=0.040*	P=0.007**	P=0.083
MAX-ISO-POLY-3	P=0.027*	P=0.007**	P=0.065
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/24/2014

Time Report Requested: 03:41:00

First Dose M/F: NA / NA

Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
LAST REMOVAL AT 110 WEEKS**

DOSE	FEMALE		
	0% ETH/ 0PPM URE	2.5%ETH/90PPMURE	5.0%ETH/90PPMURE
Liver			
Regeneration			
<b>LESION RATES</b>			
OVERALL(a)	3/284 (1%)	2/140 (1%)	3/143 (2%)
POLY-3 RATE (b)	3/241.51	2/110.16	3/113.14
POLY-3 PERCENT (g)	1.2%	1.8%	2.7%
TERMINAL (d)	0/173 (0%)	0/60 (0%)	0/63 (0%)
FIRST INCIDENCE	712	692	654
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.234	P=0.525	P=0.305
POLY 1.5	P=0.246	P=0.541	P=0.317
POLY 6	P=0.216	P=0.502	P=0.288
COCH-ARM / FISHERS	P=0.262	P=0.534	P=0.322
MAX-ISO-POLY-3	P=0.296	P=0.363	P=0.211
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			



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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/24/2014

Time Report Requested: 03:41:00

First Dose M/F: NA / NA

Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
 LAST REMOVAL AT 110 WEEKS**

DOSE	FEMALE		
	0% ETH/ 0PPM URE	2.5%ETH/90PPMURE	5.0%ETH/90PPMURE
<b>Liver</b>			
<b>Tension Lipidosis</b>			
<b>LESION RATES</b>			
OVERALL(a)	0/284 (0%)	0/140 (0%)	0/143 (0%)
POLY-3 RATE (b)	0/241.04	0/109.72	0/112.39
POLY-3 PERCENT (g)	0%	0%	0%
TERMINAL (d)	0/173 (0%)	0/60 (0%)	0/63 (0%)
FIRST INCIDENCE	---	---	---
<b>STATISTICAL TESTS</b>			
POLY 3	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)  
 CAS Number: URETHCOMB

Date Report Requested: 10/24/2014  
 Time Report Requested: 03:41:00  
 First Dose M/F: NA / NA  
 Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
 LAST REMOVAL AT 110 WEEKS**

DOSE	FEMALE		
	0% ETH/ 0PPM URE	2.5%ETH/90PPMURE	5.0%ETH/90PPMURE
<b>Liver</b>			
<b>Thrombosis</b>			
<b>LESION RATES</b>			
OVERALL(a)	14/284 (5%)	13/140 (9%)	9/143 (6%)
POLY-3 RATE (b)	14/244.22	13/112.08	9/115.18
POLY-3 PERCENT (g)	5.7%	11.6%	7.8%
TERMINAL (d)	2/173 (1%)	2/60 (3%)	0/63 (0%)
FIRST INCIDENCE	548	607	559
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.177	P=0.043*	P=0.303
POLY 1.5	P=0.201	P=0.052	P=0.325
POLY 6	P=0.147	P=0.032*	P=0.273
COCH-ARM / FISHERS	P=0.237	P=0.067	P=0.352
MAX-ISO-POLY-3	P=0.184	P=0.052	P=0.264
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/24/2014

Time Report Requested: 03:41:00

First Dose M/F: NA / NA

Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
LAST REMOVAL AT 110 WEEKS**

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<b>FEMALE</b>			
<b>DOSE</b>	<b>0% ETH/ 0PPM URE</b>	<b>2.5%ETH/90PPMURE</b>	<b>5.0%ETH/90PPMURE</b>
<hr/>			
<b>Liver: Bile Duct</b>			
<b>Cyst</b>			
<hr/>			
<b>LESION RATES</b>			
<b>OVERALL(a)</b>	0/284 (0%)	0/140 (0%)	0/143 (0%)
<b>POLY-3 RATE (b)</b>	0/241.04	0/109.72	0/112.39
<b>POLY-3 PERCENT (g)</b>	0%	0%	0%
<b>TERMINAL (d)</b>	0/173 (0%)	0/60 (0%)	0/63 (0%)
<b>FIRST INCIDENCE</b>	---	---	---
<hr/>			
<b>STATISTICAL TESTS</b>			
<b>POLY 3</b>	(n)	(n)	(n)
<b>POLY 1.5</b>	(n)	(n)	(n)
<b>POLY 6</b>	(n)	(n)	(n)
<b>COCH-ARM / FISHERS</b>	(n)	(n)	(n)
<b>MAX-ISO-POLY-3</b>	(n)	(n)	(n)
<b>HISTCONT SAME RTE</b>			
<b>HISTCONT ALL RTES</b>			
<b>CURR VS HC SAME RTE</b>			
<b>CURR VS HC ALL RTES</b>			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/24/2014

Time Report Requested: 03:41:00

First Dose M/F: NA / NA

Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
LAST REMOVAL AT 110 WEEKS**

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<b>FEMALE</b>			
<b>DOSE</b>	<b>0% ETH/ 0PPM URE</b>	<b>2.5%ETH/90PPMURE</b>	<b>5.0%ETH/90PPMURE</b>
<b>Liver: Bile Duct</b>			
<b>Hyperplasia</b>			
<b>LESION RATES</b>			
<b>OVERALL(a)</b>	0/284 (0%)	0/140 (0%)	0/143 (0%)
<b>POLY-3 RATE (b)</b>	0/241.04	0/109.72	0/112.39
<b>POLY-3 PERCENT (g)</b>	0%	0%	0%
<b>TERMINAL (d)</b>	0/173 (0%)	0/60 (0%)	0/63 (0%)
<b>FIRST INCIDENCE</b>	---	---	---
<b>STATISTICAL TESTS</b>			
<b>POLY 3</b>	(n)	(n)	(n)
<b>POLY 1.5</b>	(n)	(n)	(n)
<b>POLY 6</b>	(n)	(n)	(n)
<b>COCH-ARM / FISHERS</b>	(n)	(n)	(n)
<b>MAX-ISO-POLY-3</b>	(n)	(n)	(n)
<b>HISTCONT SAME RTE</b>			
<b>HISTCONT ALL RTES</b>			
<b>CURR VS HC SAME RTE</b>			
<b>CURR VS HC ALL RTES</b>			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/24/2014

Time Report Requested: 03:41:00

First Dose M/F: NA / NA

Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
 LAST REMOVAL AT 110 WEEKS**

DOSE	FEMALE		
	0% ETH/ 0PPM URE	2.5%ETH/90PPMURE	5.0%ETH/90PPMURE
<b>Liver: Centrilobular Necrosis</b>			
<b>LESION RATES</b>			
OVERALL(a)	5/284 (2%)	0/140 (0%)	3/143 (2%)
POLY-3 RATE (b)	5/242.68	0/109.72	3/113.60
POLY-3 PERCENT (g)	2.1%	0%	2.6%
TERMINAL (d)	0/173 (0%)	0/60 (0%)	0/63 (0%)
FIRST INCIDENCE	605	---	573
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.557	P=0.156N	P=0.515
POLY 1.5	P=0.571	P=0.145N	P=0.531
POLY 6	P=0.535	P=0.172N	P=0.492
COCH-ARM / FISHERS	P=0.583N	P=0.133N	P=0.537
MAX-ISO-POLY-3	P=0.339	P=0.106N	P=0.387
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/24/2014

Time Report Requested: 03:41:00

First Dose M/F: NA / NA

Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
LAST REMOVAL AT 110 WEEKS**

DOSE	FEMALE		
	0% ETH/ 0PPM URE	2.5%ETH/90PPMURE	5.0%ETH/90PPMURE
<b>Liver: Hepatocyte</b>			
<b>Necrosis</b>			
<b>LESION RATES</b>			
OVERALL(a)	2/284 (1%)	2/140 (1%)	0/143 (0%)
POLY-3 RATE (b)	2/241.69	2/109.95	0/112.39
POLY-3 PERCENT (g)	0.8%	1.8%	0%
TERMINAL (d)	1/173 (1%)	1/60 (2%)	0/63 (0%)
FIRST INCIDENCE	541	703	---
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.418N	P=0.395	P=0.420N
POLY 1.5	P=0.403N	P=0.409	P=0.411N
POLY 6	P=0.441N	P=0.374	P=0.432N
COCH-ARM / FISHERS	P=0.380N	P=0.402	P=0.442N
MAX-ISO-POLY-3	P=0.256N	P=0.250	P=0.211N
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/24/2014

Time Report Requested: 03:41:00

First Dose M/F: NA / NA

Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
LAST REMOVAL AT 110 WEEKS**

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<b>FEMALE</b>			
<b>DOSE</b>	<b>0% ETH/ 0PPM URE</b>	<b>2.5%ETH/90PPMURE</b>	<b>5.0%ETH/90PPMURE</b>
<hr/>			
<b>Liver: Hepatocyte</b>			
<b>Nuclear Alteration</b>			
<hr/>			
<b>LESION RATES</b>			
<b>OVERALL(a)</b>	0/284 (0%)	0/140 (0%)	0/143 (0%)
<b>POLY-3 RATE (b)</b>	0/241.04	0/109.72	0/112.39
<b>POLY-3 PERCENT (g)</b>	0%	0%	0%
<b>TERMINAL (d)</b>	0/173 (0%)	0/60 (0%)	0/63 (0%)
<b>FIRST INCIDENCE</b>	---	---	---
<hr/>			
<b>STATISTICAL TESTS</b>			
<b>POLY 3</b>	(n)	(n)	(n)
<b>POLY 1.5</b>	(n)	(n)	(n)
<b>POLY 6</b>	(n)	(n)	(n)
<b>COCH-ARM / FISHERS</b>	(n)	(n)	(n)
<b>MAX-ISO-POLY-3</b>	(n)	(n)	(n)
<b>HISTCONT SAME RTE</b>			
<b>HISTCONT ALL RTES</b>			
<b>CURR VS HC SAME RTE</b>			
<b>CURR VS HC ALL RTES</b>			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/24/2014

Time Report Requested: 03:41:00

First Dose M/F: NA / NA

Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
LAST REMOVAL AT 110 WEEKS**

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<b>FEMALE</b>			
<b>DOSE</b>	<b>0% ETH/ 0PPM URE</b>	<b>2.5%ETH/90PPMURE</b>	<b>5.0%ETH/90PPMURE</b>
<hr/>			
<b>Liver: Hepatocyte</b>			
<b>Syncytial Alteration</b>			
<hr/>			
<b>LESION RATES</b>			
<b>OVERALL(a)</b>	0/284 (0%)	0/140 (0%)	0/143 (0%)
<b>POLY-3 RATE (b)</b>	0/241.04	0/109.72	0/112.39
<b>POLY-3 PERCENT (g)</b>	0%	0%	0%
<b>TERMINAL (d)</b>	0/173 (0%)	0/60 (0%)	0/63 (0%)
<b>FIRST INCIDENCE</b>	---	---	---
<hr/>			
<b>STATISTICAL TESTS</b>			
<b>POLY 3</b>	(n)	(n)	(n)
<b>POLY 1.5</b>	(n)	(n)	(n)
<b>POLY 6</b>	(n)	(n)	(n)
<b>COCH-ARM / FISHERS</b>	(n)	(n)	(n)
<b>MAX-ISO-POLY-3</b>	(n)	(n)	(n)
<b>HISTCONT SAME RTE</b>			
<b>HISTCONT ALL RTES</b>			
<b>CURR VS HC SAME RTE</b>			
<b>CURR VS HC ALL RTES</b>			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 Test Compound: Urethane + ethanol (combination)  
 CAS Number: URETHCOMB

Date Report Requested: 10/24/2014  
 Time Report Requested: 03:41:00  
 First Dose M/F: NA / NA  
 Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
 LAST REMOVAL AT 110 WEEKS**

DOSE	FEMALE		
	0% ETH/ 0PPM URE	2.5%ETH/90PPMURE	5.0%ETH/90PPMURE
<b>Liver: Hepatocyte</b>			
<b>Vacuolization Cytoplasmic</b>			
<b>LESION RATES</b>			
OVERALL(a)	37/284 (13%)	20/140 (14%)	20/143 (14%)
POLY-3 RATE (b)	37/246.46	20/114.15	20/116.96
POLY-3 PERCENT (g)	15%	17.5%	17.1%
TERMINAL (d)	24/173 (14%)	7/60 (12%)	8/63 (13%)
FIRST INCIDENCE	427	493	531
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.305	P=0.327	P=0.361
POLY 1.5	P=0.345	P=0.370	P=0.396
POLY 6	P=0.253	P=0.267	P=0.316
COCH-ARM / FISHERS	P=0.404	P=0.414	P=0.446
MAX-ISO-POLY-3	P=0.423	P=0.304	P=0.333
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/24/2014

Time Report Requested: 03:41:00

First Dose M/F: NA / NA

Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
LAST REMOVAL AT 110 WEEKS**

DOSE	FEMALE		
	0% ETH/ 0PPM URE	2.5%ETH/90PPMURE	5.0%ETH/90PPMURE
<b>Liver: Kupffer Cell Hyperplasia</b>			
<b>LESION RATES</b>			
OVERALL(a)	2/284 (1%)	1/140 (1%)	1/143 (1%)
POLY-3 RATE (b)	2/241.04	1/109.72	1/112.80
POLY-3 PERCENT (g)	0.8%	0.9%	0.9%
TERMINAL (d)	2/173 (1%)	1/60 (2%)	0/63 (0%)
FIRST INCIDENCE	765(T)	765(T)	644
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.596	P=0.705	P=0.712
POLY 1.5	P=0.606	P=0.716	P=0.720
POLY 6	P=0.580	P=0.688	P=0.700
COCH-ARM / FISHERS	P=0.617N	P=0.701	P=0.707
MAX-ISO-POLY-3	P=0.642	P=0.475	P=0.482
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)  
 CAS Number: URETHCOMB

Date Report Requested: 10/24/2014  
 Time Report Requested: 03:41:00  
 First Dose M/F: NA / NA  
 Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
 LAST REMOVAL AT 110 WEEKS**

DOSE	FEMALE		
	0% ETH/ 0PPM URE	2.5%ETH/90PPMURE	5.0%ETH/90PPMURE
<b>Lung</b>			
<b>Autolysis</b>			
<b>LESION RATES</b>			
OVERALL(a)	3/286 (1%)	0/143 (0%)	0/144 (0%)
POLY-3 RATE (b)	3/243.69	0/111.65	0/113.12
POLY-3 PERCENT (g)	1.2%	0%	0%
TERMINAL (d)	0/173 (0%)	0/60 (0%)	0/63 (0%)
FIRST INCIDENCE	608	---	---
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.123N	P=0.293N	P=0.290N
POLY 1.5	P=0.117N	P=0.282N	P=0.280N
POLY 6	P=0.132N	P=0.312N	P=0.304N
COCH-ARM / FISHERS	P=0.110N	P=0.295N	P=0.293N
MAX-ISO-POLY-3	P=0.170N	P=0.165N	P=0.163N
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)  
 CAS Number: URETHCOMB

Date Report Requested: 10/24/2014  
 Time Report Requested: 03:41:00  
 First Dose M/F: NA / NA  
 Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
 LAST REMOVAL AT 110 WEEKS**

DOSE	FEMALE		
	0% ETH/ 0PPM URE	2.5%ETH/90PPMURE	5.0%ETH/90PPMURE
<b>Lung</b>			
<b>Congestion</b>			
<b>LESION RATES</b>			
OVERALL(a)	1/286 (0%)	3/143 (2%)	0/144 (0%)
POLY-3 RATE (b)	1/242.60	3/111.85	0/113.12
POLY-3 PERCENT (g)	0.4%	2.7%	0%
TERMINAL (d)	0/173 (0%)	0/60 (0%)	0/63 (0%)
FIRST INCIDENCE	643	748	---
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.584	P=0.093	P=0.650N
POLY 1.5	P=0.600	P=0.099	P=0.644N
POLY 6	P=0.562	P=0.084	P=0.658N
COCH-ARM / FISHERS	P=0.617N	P=0.110	P=0.665N
MAX-ISO-POLY-3	P=0.255N	P=0.059	P=0.284N
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 Test Compound: Urethane + ethanol (combination)  
 CAS Number: URETHCOMB

Date Report Requested: 10/24/2014  
 Time Report Requested: 03:41:00  
 First Dose M/F: NA / NA  
 Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
 LAST REMOVAL AT 110 WEEKS**

DOSE	FEMALE		
	0% ETH/ 0PPM URE	2.5%ETH/90PPMURE	5.0%ETH/90PPMURE
<b>Lung</b>			
<b>Hemorrhage</b>			
<b>LESION RATES</b>			
OVERALL(a)	28/286 (10%)	15/143 (10%)	14/144 (10%)
POLY-3 RATE (b)	28/243.17	15/112.15	14/114.07
POLY-3 PERCENT (g)	11.5%	13.4%	12.3%
TERMINAL (d)	24/173 (14%)	14/60 (23%)	10/63 (16%)
FIRST INCIDENCE	676	608	645
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.419	P=0.374	P=0.488
POLY 1.5	P=0.465	P=0.424	P=0.525
POLY 6	P=0.351	P=0.299	P=0.433
COCH-ARM / FISHERS	P=0.525	P=0.471	P=0.571
MAX-ISO-POLY-3	P=0.525	P=0.338	P=0.431
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/24/2014

Time Report Requested: 03:41:00

First Dose M/F: NA / NA

Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
LAST REMOVAL AT 110 WEEKS**

DOSE	FEMALE		
	0% ETH/ 0PPM URE	2.5%ETH/90PPMURE	5.0%ETH/90PPMURE
<b>Lung</b>			
<b>Infiltration Cellular</b>			
<b>LESION RATES</b>			
OVERALL(a)	16/286 (6%)	12/143 (8%)	14/144 (10%)
POLY-3 RATE (b)	16/244.56	12/112.58	14/115.11
POLY-3 PERCENT (g)	6.5%	10.7%	12.2%
TERMINAL (d)	8/173 (5%)	7/60 (12%)	8/63 (13%)
FIRST INCIDENCE	438	608	594
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.039*	P=0.131	P=0.057
POLY 1.5	P=0.048*	P=0.155	P=0.066
POLY 6	P=0.028*	P=0.100	P=0.045*
COCH-ARM / FISHERS	P=0.063	P=0.183	P=0.085
MAX-ISO-POLY-3	P=0.051	P=0.132	P=0.065
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Test Compound: Urethane + ethanol (combination)  
 CAS Number: URETHCOMB

Date Report Requested: 10/24/2014  
 Time Report Requested: 03:41:00  
 First Dose M/F: NA / NA  
 Lab: NCTR

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
 LAST REMOVAL AT 110 WEEKS

DOSE	FEMALE		
	0% ETH/ 0PPM URE	2.5%ETH/90PPMURE	5.0%ETH/90PPMURE
<b>Lung</b>			
<b>Infiltration Cellular Lymphocytic</b>			
<b>LESION RATES</b>			
OVERALL(a)	142/286 (50%)	67/143 (47%)	62/144 (43%)
POLY-3 RATE (b)	142/251.14	67/123.58	62/122.84
POLY-3 PERCENT (g)	56.5%	54.2%	50.5%
TERMINAL (d)	113/173 (65%)	34/60 (57%)	33/63 (52%)
FIRST INCIDENCE	466	306	485
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.139N	P=0.372N	P=0.152N
POLY 1.5	P=0.125N	P=0.334N	P=0.138N
POLY 6	P=0.167N	P=0.449N	P=0.174N
COCH-ARM / FISHERS	P=0.107N	P=0.329N	P=0.117N
MAX-ISO-POLY-3	P=0.194N	P=0.352N	P=0.164N
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)  
 CAS Number: URETHCOMB

Date Report Requested: 10/24/2014  
 Time Report Requested: 03:41:00  
 First Dose M/F: NA / NA  
 Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
 LAST REMOVAL AT 110 WEEKS**

DOSE	FEMALE		
	0% ETH/ 0PPM URE	2.5%ETH/90PPMURE	5.0%ETH/90PPMURE
<b>Lung</b>			
<b>Inflammation Chronic</b>			
<b>LESION RATES</b>			
OVERALL(a)	2/286 (1%)	1/143 (1%)	1/144 (1%)
POLY-3 RATE (b)	2/242.20	1/111.65	1/113.12
POLY-3 PERCENT (g)	0.8%	0.9%	0.9%
TERMINAL (d)	2/173 (1%)	1/60 (2%)	1/63 (2%)
FIRST INCIDENCE	765(T)	765(T)	765(T)
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.596	P=0.708	P=0.711
POLY 1.5	P=0.607	P=0.719	P=0.720
POLY 6	P=0.579	P=0.691	P=0.698
COCH-ARM / FISHERS	P=0.617N	P=0.705	P=0.707
MAX-ISO-POLY-3	P=0.644	P=0.478	P=0.482
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			



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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)  
 CAS Number: URETHCOMB

Date Report Requested: 10/24/2014  
 Time Report Requested: 03:41:00  
 First Dose M/F: NA / NA  
 Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
 LAST REMOVAL AT 110 WEEKS**

DOSE	FEMALE		
	0% ETH/ 0PPM URE	2.5%ETH/90PPMURE	5.0%ETH/90PPMURE
<b>Lung</b>			
<b>Leukocytosis</b>			
<b>LESION RATES</b>			
OVERALL(a)	0/286 (0%)	0/143 (0%)	2/144 (1%)
POLY-3 RATE (b)	0/242.20	0/111.65	2/114.44
POLY-3 PERCENT (g)	0%	0%	1.7%
TERMINAL (d)	0/173 (0%)	0/60 (0%)	0/63 (0%)
FIRST INCIDENCE	---	---	459
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.042*	(e)	P=0.098
POLY 1.5	P=0.043*	(e)	P=0.101
POLY 6	P=0.040*	(e)	P=0.094
COCH-ARM / FISHERS	P=0.044*	(e)	P=0.112
MAX-ISO-POLY-3	P=0.029*	(e)	P=0.041*
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)  
 CAS Number: URETHCOMB

Date Report Requested: 10/24/2014  
 Time Report Requested: 03:41:00  
 First Dose M/F: NA / NA  
 Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
 LAST REMOVAL AT 110 WEEKS**

DOSE	FEMALE		
	0% ETH/ 0PPM URE	2.5%ETH/90PPMURE	5.0%ETH/90PPMURE
<b>Lung</b>			
<b>Pigmentation</b>			
<b>LESION RATES</b>			
OVERALL(a)	1/286 (0%)	0/143 (0%)	0/144 (0%)
POLY-3 RATE (b)	1/242.20	0/111.65	0/113.12
POLY-3 PERCENT (g)	0.4%	0%	0%
TERMINAL (d)	1/173 (1%)	0/60 (0%)	0/63 (0%)
FIRST INCIDENCE	765(T)	---	---
<b>STATISTICAL TESTS</b>			
POLY 3	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/24/2014

Time Report Requested: 03:41:00

First Dose M/F: NA / NA

Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
LAST REMOVAL AT 110 WEEKS**

DOSE	FEMALE		
	0% ETH/ 0PPM URE	2.5%ETH/90PPMURE	5.0%ETH/90PPMURE
<b>Lung: Alveolar Epith Hyperplasia</b>			
<b>LESION RATES</b>			
OVERALL(a)	14/286 (5%)	8/143 (6%)	13/144 (9%)
POLY-3 RATE (b)	14/246.11	8/112.69	13/115.60
POLY-3 PERCENT (g)	5.7%	7.1%	11.2%
TERMINAL (d)	6/173 (3%)	3/60 (5%)	6/63 (10%)
FIRST INCIDENCE	466	649	573
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.043*	P=0.391	P=0.050*
POLY 1.5	P=0.052	P=0.428	P=0.058
POLY 6	P=0.032*	P=0.339	P=0.040*
COCH-ARM / FISHERS	P=0.066	P=0.460	P=0.075
MAX-ISO-POLY-3	P=0.057	P=0.334	P=0.057
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
Test Compound: Urethane + ethanol (combination)  
CAS Number: URETHCOMB

Date Report Requested: 10/24/2014  
Time Report Requested: 03:41:00  
First Dose M/F: NA / NA  
Lab: NCTR

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
LAST REMOVAL AT 110 WEEKS

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FEMALE			
DOSE	0% ETH/ 0PPM URE	2.5%ETH/90PPMURE	5.0%ETH/90PPMURE
<b>Lymph Node: Inguinal</b>			
<b>Hyperplasia</b>			
<b>LESION RATES</b>			
OVERALL(a)	0/190 (0%)	0/106 (0%)	0/99 (0%)
POLY-3 RATE (b)	0/165.90	0/82.22	0/75.19
POLY-3 PERCENT (g)	0%	0%	0%
TERMINAL (d)	0/126 (0%)	0/44 (0%)	0/44 (0%)
FIRST INCIDENCE	---	---	---
<b>STATISTICAL TESTS</b>			
POLY 3	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/24/2014

Time Report Requested: 03:41:00

First Dose M/F: NA / NA

Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
LAST REMOVAL AT 110 WEEKS**

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<b>FEMALE</b>			
<b>DOSE</b>	<b>0% ETH/ 0PPM URE</b>	<b>2.5%ETH/90PPMURE</b>	<b>5.0%ETH/90PPMURE</b>
<hr/>			
<b>Lymph Node: Inguinal</b>			
<b>Infiltration Cellular</b>			
<hr/>			
<b>LESION RATES</b>			
<b>OVERALL(a)</b>	0/190 (0%)	0/106 (0%)	0/99 (0%)
<b>POLY-3 RATE (b)</b>	0/165.90	0/82.22	0/75.19
<b>POLY-3 PERCENT (g)</b>	0%	0%	0%
<b>TERMINAL (d)</b>	0/126 (0%)	0/44 (0%)	0/44 (0%)
<b>FIRST INCIDENCE</b>	---	---	---
<hr/>			
<b>STATISTICAL TESTS</b>			
<b>POLY 3</b>	(n)	(n)	(n)
<b>POLY 1.5</b>	(n)	(n)	(n)
<b>POLY 6</b>	(n)	(n)	(n)
<b>COCH-ARM / FISHERS</b>	(n)	(n)	(n)
<b>MAX-ISO-POLY-3</b>	(n)	(n)	(n)
<b>HISTCONT SAME RTE</b>			
<b>HISTCONT ALL RTES</b>			
<b>CURR VS HC SAME RTE</b>			
<b>CURR VS HC ALL RTES</b>			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/24/2014

Time Report Requested: 03:41:00

First Dose M/F: NA / NA

Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
LAST REMOVAL AT 110 WEEKS**

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<b>FEMALE</b>			
<b>DOSE</b>	<b>0% ETH/ 0PPM URE</b>	<b>2.5%ETH/90PPMURE</b>	<b>5.0%ETH/90PPMURE</b>
<hr/>			
<b>Lymph Node: Lumbar</b>			
<b>Hemorrhage</b>			
<hr/>			
<b>LESION RATES</b>			
<b>OVERALL(a)</b>	2/190 (1%)	2/106 (2%)	1/99 (1%)
<b>POLY-3 RATE (b)</b>	2/166.15	2/83.00	1/75.50
<b>POLY-3 PERCENT (g)</b>	1.2%	2.4%	1.3%
<b>TERMINAL (d)</b>	1/126 (1%)	0/44 (0%)	0/44 (0%)
<b>FIRST INCIDENCE</b>	696	593	675
<hr/>			
<b>STATISTICAL TESTS</b>			
<b>POLY 3</b>	P=0.520	P=0.430	P=0.703
<b>POLY 1.5</b>	P=0.542	P=0.449	P=0.717
<b>POLY 6</b>	P=0.490	P=0.404	P=0.684
<b>COCH-ARM / FISHERS</b>	P=0.575	P=0.452	P=0.717
<b>MAX-ISO-POLY-3</b>	P=0.509	P=0.276	P=0.475
<b>HISTCONT SAME RTE</b>			
<b>HISTCONT ALL RTES</b>			
<b>CURR VS HC SAME RTE</b>			
<b>CURR VS HC ALL RTES</b>			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/24/2014

Time Report Requested: 03:41:00

First Dose M/F: NA / NA

Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
LAST REMOVAL AT 110 WEEKS**

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<b>FEMALE</b>			
<b>DOSE</b>	<b>0% ETH/ 0PPM URE</b>	<b>2.5%ETH/90PPMURE</b>	<b>5.0%ETH/90PPMURE</b>
<hr/>			
<b>Lymph Node: Lumbar</b>			
<b>Hyperplasia</b>			
<hr/>			
<b>LESION RATES</b>			
<b>OVERALL(a)</b>	2/190 (1%)	4/106 (4%)	1/99 (1%)
<b>POLY-3 RATE (b)</b>	2/166.19	4/83.50	1/75.19
<b>POLY-3 PERCENT (g)</b>	1.2%	4.8%	1.3%
<b>TERMINAL (d)</b>	1/126 (1%)	1/44 (2%)	1/44 (2%)
<b>FIRST INCIDENCE</b>	683	593	765(T)
<hr/>			
<b>STATISTICAL TESTS</b>			
<b>POLY 3</b>	P=0.398	P=0.099	P=0.702
<b>POLY 1.5</b>	P=0.429	P=0.109	P=0.717
<b>POLY 6</b>	P=0.358	P=0.085	P=0.682
<b>COCH-ARM / FISHERS</b>	P=0.479	P=0.124	P=0.717
<b>MAX-ISO-POLY-3</b>	P=0.300	P=0.072	P=0.474
<b>HISTCONT SAME RTE</b>			
<b>HISTCONT ALL RTES</b>			
<b>CURR VS HC SAME RTE</b>			
<b>CURR VS HC ALL RTES</b>			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 Test Compound: Urethane + ethanol (combination)  
 CAS Number: URETHCOMB

Date Report Requested: 10/24/2014  
 Time Report Requested: 03:41:00  
 First Dose M/F: NA / NA  
 Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
 LAST REMOVAL AT 110 WEEKS**

DOSE	FEMALE		
	0% ETH/ 0PPM URE	2.5%ETH/90PPMURE	5.0%ETH/90PPMURE
<b>Lymph Node: Lumbar</b>			
<b>Infiltration Cellular Polymorphnuclr</b>			
<b>LESION RATES</b>			
OVERALL(a)	0/190 (0%)	2/106 (2%)	0/99 (0%)
POLY-3 RATE (b)	0/165.90	2/82.61	0/75.19
POLY-3 PERCENT (g)	0%	2.4%	0%
TERMINAL (d)	0/126 (0%)	1/44 (2%)	0/44 (0%)
FIRST INCIDENCE	---	648	---
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.460	P=0.108	(e)
POLY 1.5	P=0.481	P=0.114	(e)
POLY 6	P=0.436	P=0.099	(e)
COCH-ARM / FISHERS	P=0.513	P=0.127	(e)
MAX-ISO-POLY-3	P=0.236	P=0.046*	(e)
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			



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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/24/2014

Time Report Requested: 03:41:00

First Dose M/F: NA / NA

Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
LAST REMOVAL AT 110 WEEKS**

---

<b>FEMALE</b>			
<b>DOSE</b>	<b>0% ETH/ 0PPM URE</b>	<b>2.5%ETH/90PPMURE</b>	<b>5.0%ETH/90PPMURE</b>
<b>Lymph Node: Mandibular</b>			
<b>Atrophy</b>			
<b>LESION RATES</b>			
<b>OVERALL(a)</b>	2/274 (1%)	0/133 (0%)	0/131 (0%)
<b>POLY-3 RATE (b)</b>	2/234.48	0/105.04	0/101.53
<b>POLY-3 PERCENT (g)</b>	0.9%	0%	0%
<b>TERMINAL (d)</b>	0/169 (0%)	0/60 (0%)	0/55 (0%)
<b>FIRST INCIDENCE</b>	541	---	---
<b>STATISTICAL TESTS</b>			
<b>POLY 3</b>	P=0.222N	P=0.429N	P=0.437N
<b>POLY 1.5</b>	P=0.214N	P=0.419N	P=0.427N
<b>POLY 6</b>	P=0.234N	P=0.443N	P=0.452N
<b>COCH-ARM / FISHERS</b>	P=0.203N	P=0.453N	P=0.457N
<b>MAX-ISO-POLY-3</b>	P=0.265N	P=0.216N	P=0.223N
<b>HISTCONT SAME RTE</b>			
<b>HISTCONT ALL RTES</b>			
<b>CURR VS HC SAME RTE</b>			
<b>CURR VS HC ALL RTES</b>			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/24/2014

Time Report Requested: 03:41:00

First Dose M/F: NA / NA

Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
LAST REMOVAL AT 110 WEEKS**

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	FEMALE		
DOSE	0% ETH/ 0PPM URE	2.5%ETH/90PPMURE	5.0%ETH/90PPMURE
<hr/>			
Lymph Node: Mandibular			
Autolysis			
<hr/>			
<b>LESION RATES</b>			
OVERALL(a)	3/274 (1%)	0/133 (0%)	1/131 (1%)
POLY-3 RATE (b)	3/235.14	0/105.04	1/102.12
POLY-3 PERCENT (g)	1.3%	0%	1%
TERMINAL (d)	0/169 (0%)	0/60 (0%)	0/55 (0%)
FIRST INCIDENCE	584	---	569
<hr/>			
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.425N	P=0.299N	P=0.622N
POLY 1.5	P=0.412N	P=0.288N	P=0.608N
POLY 6	P=0.444N	P=0.315N	P=0.640N
COCH-ARM / FISHERS	P=0.395N	P=0.304N	P=0.792
MAX-ISO-POLY-3	P=0.390N	P=0.169N	P=0.425N
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/24/2014

Time Report Requested: 03:41:00

First Dose M/F: NA / NA

Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
LAST REMOVAL AT 110 WEEKS**

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<b>FEMALE</b>			
<b>DOSE</b>	<b>0% ETH/ 0PPM URE</b>	<b>2.5%ETH/90PPMURE</b>	<b>5.0%ETH/90PPMURE</b>
<hr/>			
<b>Lymph Node: Mandibular</b>			
<b>Hemorrhage</b>			
<hr/>			
<b>LESION RATES</b>			
<b>OVERALL(a)</b>	5/274 (2%)	1/133 (1%)	0/131 (0%)
<b>POLY-3 RATE (b)</b>	5/234.72	1/105.94	0/101.53
<b>POLY-3 PERCENT (g)</b>	2.1%	0.9%	0%
<b>TERMINAL (d)</b>	2/169 (1%)	0/60 (0%)	0/55 (0%)
<b>FIRST INCIDENCE</b>	635	353	---
<hr/>			
<b>STATISTICAL TESTS</b>			
<b>POLY 3</b>	P=0.091N	P=0.374N	P=0.165N
<b>POLY 1.5</b>	P=0.084N	P=0.359N	P=0.155N
<b>POLY 6</b>	P=0.103N	P=0.398N	P=0.181N
<b>COCH-ARM / FISHERS</b>	P=0.074N	P=0.363N	P=0.140N
<b>MAX-ISO-POLY-3</b>	P=0.125N	P=0.261N	P=0.113N
<b>HISTCONT SAME RTE</b>			
<b>HISTCONT ALL RTEs</b>			
<b>CURR VS HC SAME RTE</b>			
<b>CURR VS HC ALL RTEs</b>			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/24/2014

Time Report Requested: 03:41:00

First Dose M/F: NA / NA

Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
LAST REMOVAL AT 110 WEEKS**

---

<b>FEMALE</b>			
<b>DOSE</b>	<b>0% ETH/ 0PPM URE</b>	<b>2.5%ETH/90PPMURE</b>	<b>5.0%ETH/90PPMURE</b>
<b>Lymph Node: Mandibular</b>			
<b>Hyperplasia</b>			
<b>LESION RATES</b>			
<b>OVERALL(a)</b>	22/274 (8%)	15/133 (11%)	13/131 (10%)
<b>POLY-3 RATE (b)</b>	22/235.36	15/107.06	13/103.38
<b>POLY-3 PERCENT (g)</b>	9.3%	14%	12.6%
<b>TERMINAL (d)</b>	17/169 (10%)	9/60 (15%)	6/55 (11%)
<b>FIRST INCIDENCE</b>	573	593	459
<b>STATISTICAL TESTS</b>			
<b>POLY 3</b>	P=0.164	P=0.137	P=0.243
<b>POLY 1.5</b>	P=0.196	P=0.160	P=0.276
<b>POLY 6</b>	P=0.124	P=0.109	P=0.202
<b>COCH-ARM / FISHERS</b>	P=0.248	P=0.187	P=0.323
<b>MAX-ISO-POLY-3</b>	P=0.228	P=0.141	P=0.229
<b>HISTCONT SAME RTE</b>			
<b>HISTCONT ALL RTES</b>			
<b>CURR VS HC SAME RTE</b>			
<b>CURR VS HC ALL RTES</b>			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)  
 CAS Number: URETHCOMB

Date Report Requested: 10/24/2014  
 Time Report Requested: 03:41:00  
 First Dose M/F: NA / NA  
 Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
 LAST REMOVAL AT 110 WEEKS**

DOSE	FEMALE		
	0% ETH/ 0PPM URE	2.5%ETH/90PPMURE	5.0%ETH/90PPMURE
<b>Lymph Node: Mandibular</b>			
<b>Infiltration Cellular</b>			
<b>LESION RATES</b>			
OVERALL(a)	3/274 (1%)	3/133 (2%)	3/131 (2%)
POLY-3 RATE (b)	3/235.32	3/106.18	3/102.52
POLY-3 PERCENT (g)	1.3%	2.8%	2.9%
TERMINAL (d)	0/169 (0%)	1/60 (2%)	0/55 (0%)
FIRST INCIDENCE	548	516	643
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.186	P=0.289	P=0.275
POLY 1.5	P=0.200	P=0.303	P=0.290
POLY 6	P=0.167	P=0.270	P=0.257
COCH-ARM / FISHERS	P=0.221	P=0.306	P=0.299
MAX-ISO-POLY-3	P=0.259	P=0.201	P=0.193
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/24/2014

Time Report Requested: 03:41:00

First Dose M/F: NA / NA

Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
LAST REMOVAL AT 110 WEEKS**

---

<b>FEMALE</b>			
<b>DOSE</b>	<b>0% ETH/ 0PPM URE</b>	<b>2.5%ETH/90PPMURE</b>	<b>5.0%ETH/90PPMURE</b>
<b>Lymph Node: Mandibular</b>			
<b>Pigmentation</b>			
<b>LESION RATES</b>			
<b>OVERALL(a)</b>	0/274 (0%)	0/133 (0%)	0/131 (0%)
<b>POLY-3 RATE (b)</b>	0/233.58	0/105.04	0/101.53
<b>POLY-3 PERCENT (g)</b>	0%	0%	0%
<b>TERMINAL (d)</b>	0/169 (0%)	0/60 (0%)	0/55 (0%)
<b>FIRST INCIDENCE</b>	---	---	---
<b>STATISTICAL TESTS</b>			
<b>POLY 3</b>	(n)	(n)	(n)
<b>POLY 1.5</b>	(n)	(n)	(n)
<b>POLY 6</b>	(n)	(n)	(n)
<b>COCH-ARM / FISHERS</b>	(n)	(n)	(n)
<b>MAX-ISO-POLY-3</b>	(n)	(n)	(n)
<b>HISTCONT SAME RTE</b>			
<b>HISTCONT ALL RTES</b>			
<b>CURR VS HC SAME RTE</b>			
<b>CURR VS HC ALL RTES</b>			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/24/2014

Time Report Requested: 03:41:00

First Dose M/F: NA / NA

Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
LAST REMOVAL AT 110 WEEKS**

---

<b>FEMALE</b>			
<b>DOSE</b>	<b>0% ETH/ 0PPM URE</b>	<b>2.5%ETH/90PPMURE</b>	<b>5.0%ETH/90PPMURE</b>
<b>Lymph Node: Mesenteric</b>			
<b>Angiectasis</b>			
<b>LESION RATES</b>			
<b>OVERALL(a)</b>	6/261 (2%)	4/123 (3%)	2/123 (2%)
<b>POLY-3 RATE (b)</b>	6/225.35	4/98.04	2/98.67
<b>POLY-3 PERCENT (g)</b>	2.7%	4.1%	2%
<b>TERMINAL (d)</b>	4/165 (2%)	1/56 (2%)	0/59 (0%)
<b>FIRST INCIDENCE</b>	705	641	754
<b>STATISTICAL TESTS</b>			
<b>POLY 3</b>	P=0.520N	P=0.374	P=0.519N
<b>POLY 1.5</b>	P=0.499N	P=0.395	P=0.505N
<b>POLY 6</b>	P=0.547N	P=0.343	P=0.539N
<b>COCH-ARM / FISHERS</b>	P=0.467N	P=0.405	P=0.500N
<b>MAX-ISO-POLY-3</b>	P=0.456N	P=0.288	P=0.389N
<b>HISTCONT SAME RTE</b>			
<b>HISTCONT ALL RTES</b>			
<b>CURR VS HC SAME RTE</b>			
<b>CURR VS HC ALL RTES</b>			

---

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/24/2014

Time Report Requested: 03:41:00

First Dose M/F: NA / NA

Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
LAST REMOVAL AT 110 WEEKS**

---

<b>FEMALE</b>			
<b>DOSE</b>	<b>0% ETH/ 0PPM URE</b>	<b>2.5%ETH/90PPMURE</b>	<b>5.0%ETH/90PPMURE</b>
<b>Lymph Node: Mesenteric</b>			
<b>Atrophy</b>			
<b>LESION RATES</b>			
<b>OVERALL(a)</b>	4/261 (2%)	2/123 (2%)	1/123 (1%)
<b>POLY-3 RATE (b)</b>	4/226.80	2/97.71	1/98.83
<b>POLY-3 PERCENT (g)</b>	1.8%	2%	1%
<b>TERMINAL (d)</b>	0/165 (0%)	0/56 (0%)	0/59 (0%)
<b>FIRST INCIDENCE</b>	541	733	700
<b>STATISTICAL TESTS</b>			
<b>POLY 3</b>	P=0.434N	P=0.606	P=0.493N
<b>POLY 1.5</b>	P=0.417N	P=0.625	P=0.481N
<b>POLY 6</b>	P=0.455N	P=0.580	P=0.509N
<b>COCH-ARM / FISHERS</b>	P=0.392N	P=0.624	P=0.486N
<b>MAX-ISO-POLY-3</b>	P=0.451N	P=0.443	P=0.338N
<b>HISTCONT SAME RTE</b>			
<b>HISTCONT ALL RTES</b>			
<b>CURR VS HC SAME RTE</b>			
<b>CURR VS HC ALL RTES</b>			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)  
 CAS Number: URETHCOMB

Date Report Requested: 10/24/2014  
 Time Report Requested: 03:41:00  
 First Dose M/F: NA / NA  
 Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
 LAST REMOVAL AT 110 WEEKS**

DOSE	FEMALE		
	0% ETH/ 0PPM URE	2.5%ETH/90PPMURE	5.0%ETH/90PPMURE
<b>Lymph Node: Mesenteric</b>			
<b>Autolysis</b>			
<b>LESION RATES</b>			
OVERALL(a)	4/261 (2%)	3/123 (2%)	3/123 (2%)
POLY-3 RATE (b)	4/226.41	3/99.06	3/99.49
POLY-3 PERCENT (g)	1.8%	3%	3%
TERMINAL (d)	0/165 (0%)	0/56 (0%)	0/59 (0%)
FIRST INCIDENCE	571	551	573
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.283	P=0.381	P=0.383
POLY 1.5	P=0.297	P=0.398	P=0.396
POLY 6	P=0.264	P=0.357	P=0.368
COCH-ARM / FISHERS	P=0.318	P=0.399	P=0.399
MAX-ISO-POLY-3	P=0.394	P=0.276	P=0.277
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/24/2014

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First Dose M/F: NA / NA

Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
LAST REMOVAL AT 110 WEEKS**

---

<b>FEMALE</b>			
<b>DOSE</b>	<b>0% ETH/ 0PPM URE</b>	<b>2.5%ETH/90PPMURE</b>	<b>5.0%ETH/90PPMURE</b>
<hr/>			
<b>Lymph Node: Mesenteric</b>			
<b>Hematopoietic Cell Proliferation</b>			
<hr/>			
<b>LESION RATES</b>			
<b>OVERALL(a)</b>	3/261 (1%)	1/123 (1%)	2/123 (2%)
<b>POLY-3 RATE (b)</b>	3/225.38	1/97.53	2/99.33
<b>POLY-3 PERCENT (g)</b>	1.3%	1%	2%
<b>TERMINAL (d)</b>	1/165 (1%)	0/56 (0%)	0/59 (0%)
<b>FIRST INCIDENCE</b>	705	753	633
<hr/>			
<b>STATISTICAL TESTS</b>			
<b>POLY 3</b>	P=0.446	P=0.623N	P=0.511
<b>POLY 1.5</b>	P=0.458	P=0.609N	P=0.522
<b>POLY 6</b>	P=0.429	P=0.644N	P=0.498
<b>COCH-ARM / FISHERS</b>	P=0.474	P=0.788	P=0.514
<b>MAX-ISO-POLY-3</b>	P=0.450	P=0.426N	P=0.352
<b>HISTCONT SAME RTE</b>			
<b>HISTCONT ALL RTES</b>			
<b>CURR VS HC SAME RTE</b>			
<b>CURR VS HC ALL RTES</b>			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/24/2014

Time Report Requested: 03:41:00

First Dose M/F: NA / NA

Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
LAST REMOVAL AT 110 WEEKS**

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DOSE	FEMALE		
	0% ETH/ 0PPM URE	2.5%ETH/90PPMURE	5.0%ETH/90PPMURE
<b>Lymph Node: Mesenteric Hemorrhage</b>			
<b>LESION RATES</b>			
OVERALL(a)	4/261 (2%)	3/123 (2%)	1/123 (1%)
POLY-3 RATE (b)	4/225.56	3/98.36	1/98.91
POLY-3 PERCENT (g)	1.8%	3.1%	1%
TERMINAL (d)	2/165 (1%)	1/56 (2%)	0/59 (0%)
FIRST INCIDENCE	635	611	675
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.489N	P=0.380	P=0.491N
POLY 1.5	P=0.472N	P=0.397	P=0.479N
POLY 6	P=0.510N	P=0.355	P=0.505N
COCH-ARM / FISHERS	P=0.445N	P=0.399	P=0.486N
MAX-ISO-POLY-3	P=0.390N	P=0.275	P=0.336N
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/24/2014

Time Report Requested: 03:41:00

First Dose M/F: NA / NA

Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
LAST REMOVAL AT 110 WEEKS**

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<b>FEMALE</b>			
<b>DOSE</b>	<b>0% ETH/ 0PPM URE</b>	<b>2.5%ETH/90PPMURE</b>	<b>5.0%ETH/90PPMURE</b>
<b>Lymph Node: Mesenteric</b>			
<b>Hyperplasia</b>			
<b>LESION RATES</b>			
<b>OVERALL(a)</b>	15/261 (6%)	3/123 (2%)	11/123 (9%)
<b>POLY-3 RATE (b)</b>	15/225.93	3/97.48	11/99.14
<b>POLY-3 PERCENT (g)</b>	6.6%	3.1%	11.1%
<b>TERMINAL (d)</b>	13/165 (8%)	3/56 (5%)	8/59 (14%)
<b>FIRST INCIDENCE</b>	573	765(T)	629
<b>STATISTICAL TESTS</b>			
<b>POLY 3</b>	P=0.168	P=0.158N	P=0.129
<b>POLY 1.5</b>	P=0.187	P=0.139N	P=0.145
<b>POLY 6</b>	P=0.143	P=0.189N	P=0.112
<b>COCH-ARM / FISHERS</b>	P=0.216	P=0.118N	P=0.172
<b>MAX-ISO-POLY-3</b>	P=0.086	P=0.147N	P=0.130
<b>HISTCONT SAME RTE</b>			
<b>HISTCONT ALL RTES</b>			
<b>CURR VS HC SAME RTE</b>			
<b>CURR VS HC ALL RTES</b>			

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
Test Compound: Urethane + ethanol (combination)  
CAS Number: URETHCOMB

Date Report Requested: 10/24/2014  
Time Report Requested: 03:41:00  
First Dose M/F: NA / NA  
Lab: NCTR

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
LAST REMOVAL AT 110 WEEKS

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FEMALE			
DOSE	0% ETH/ 0PPM URE	2.5%ETH/90PPMURE	5.0%ETH/90PPMURE
<b>Lymph Node: Mesenteric</b>			
<b>Infiltration Cellular</b>			
<b>LESION RATES</b>			
OVERALL(a)	3/261 (1%)	0/123 (0%)	0/123 (0%)
POLY-3 RATE (b)	3/226.11	0/97.48	0/98.60
POLY-3 PERCENT (g)	1.3%	0%	0%
TERMINAL (d)	1/165 (1%)	0/56 (0%)	0/59 (0%)
FIRST INCIDENCE	216	---	---
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.132N	P=0.308N	P=0.305N
POLY 1.5	P=0.127N	P=0.297N	P=0.297N
POLY 6	P=0.139N	P=0.325N	P=0.315N
COCH-ARM / FISHERS	P=0.119N	P=0.313N	P=0.313N
MAX-ISO-POLY-3	P=0.184N	P=0.175N	P=0.172N
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/24/2014

Time Report Requested: 03:41:00

First Dose M/F: NA / NA

Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
LAST REMOVAL AT 110 WEEKS**

---

<b>FEMALE</b>			
<b>DOSE</b>	<b>0% ETH/ 0PPM URE</b>	<b>2.5%ETH/90PPMURE</b>	<b>5.0%ETH/90PPMURE</b>
<b>Lymph Node: Renal</b>			
<b>Hyperplasia</b>			
<b>LESION RATES</b>			
<b>OVERALL(a)</b>	2/190 (1%)	2/106 (2%)	1/99 (1%)
<b>POLY-3 RATE (b)</b>	2/166.68	2/82.58	1/75.25
<b>POLY-3 PERCENT (g)</b>	1.2%	2.4%	1.3%
<b>TERMINAL (d)</b>	0/126 (0%)	1/44 (2%)	0/44 (0%)
<b>FIRST INCIDENCE</b>	522	659	749
<b>STATISTICAL TESTS</b>			
<b>POLY 3</b>	P=0.517	P=0.427	P=0.701
<b>POLY 1.5</b>	P=0.540	P=0.448	P=0.716
<b>POLY 6</b>	P=0.486	P=0.399	P=0.681
<b>COCH-ARM / FISHERS</b>	P=0.575	P=0.452	P=0.717
<b>MAX-ISO-POLY-3</b>	P=0.507	P=0.274	P=0.473
<b>HISTCONT SAME RTE</b>			
<b>HISTCONT ALL RTES</b>			
<b>CURR VS HC SAME RTE</b>			
<b>CURR VS HC ALL RTES</b>			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/24/2014

Time Report Requested: 03:41:00

First Dose M/F: NA / NA

Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
LAST REMOVAL AT 110 WEEKS**

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<b>FEMALE</b>			
<b>DOSE</b>	<b>0% ETH/ 0PPM URE</b>	<b>2.5%ETH/90PPMURE</b>	<b>5.0%ETH/90PPMURE</b>
<hr/>			
<b>Lymph Node: Thoracic</b>			
<b>Hyperplasia</b>			
<hr/>			
<b>LESION RATES</b>			
<b>OVERALL(a)</b>	0/190 (0%)	2/106 (2%)	0/99 (0%)
<b>POLY-3 RATE (b)</b>	0/165.90	2/82.64	0/75.19
<b>POLY-3 PERCENT (g)</b>	0%	2.4%	0%
<b>TERMINAL (d)</b>	0/126 (0%)	1/44 (2%)	0/44 (0%)
<b>FIRST INCIDENCE</b>	---	640	---
<hr/>			
<b>STATISTICAL TESTS</b>			
<b>POLY 3</b>	P=0.460	P=0.108	(e)
<b>POLY 1.5</b>	P=0.481	P=0.114	(e)
<b>POLY 6</b>	P=0.436	P=0.099	(e)
<b>COCH-ARM / FISHERS</b>	P=0.513	P=0.127	(e)
<b>MAX-ISO-POLY-3</b>	P=0.236	P=0.046*	(e)
<b>HISTCONT SAME RTE</b>			
<b>HISTCONT ALL RTES</b>			
<b>CURR VS HC SAME RTE</b>			
<b>CURR VS HC ALL RTES</b>			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/24/2014

Time Report Requested: 03:41:00

First Dose M/F: NA / NA

Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
LAST REMOVAL AT 110 WEEKS**

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<b>FEMALE</b>			
<b>DOSE</b>	<b>0% ETH/ 0PPM URE</b>	<b>2.5%ETH/90PPMURE</b>	<b>5.0%ETH/90PPMURE</b>
<b>Mammary Gland</b>			
<b>Hyperplasia</b>			
<b>LESION RATES</b>			
<b>OVERALL(a)</b>	12/281 (4%)	4/140 (3%)	7/141 (5%)
<b>POLY-3 RATE (b)</b>	12/239.75	4/109.61	7/111.78
<b>POLY-3 PERCENT (g)</b>	5%	3.6%	6.3%
<b>TERMINAL (d)</b>	7/171 (4%)	2/59 (3%)	4/63 (6%)
<b>FIRST INCIDENCE</b>	680	712	703
<b>STATISTICAL TESTS</b>			
<b>POLY 3</b>	P=0.415	P=0.389N	P=0.409
<b>POLY 1.5</b>	P=0.442	P=0.359N	P=0.434
<b>POLY 6</b>	P=0.374	P=0.435N	P=0.375
<b>COCH-ARM / FISHERS</b>	P=0.477	P=0.338N	P=0.460
<b>MAX-ISO-POLY-3</b>	P=0.397	P=0.320N	P=0.343
<b>HISTCONT SAME RTE</b>			
<b>HISTCONT ALL RTES</b>			
<b>CURR VS HC SAME RTE</b>			
<b>CURR VS HC ALL RTES</b>			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/24/2014

Time Report Requested: 03:41:00

First Dose M/F: NA / NA

Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
LAST REMOVAL AT 110 WEEKS**

DOSE	FEMALE		
	0% ETH/ 0PPM URE	2.5%ETH/90PPMURE	5.0%ETH/90PPMURE
<b>Mammary Gland</b>			
<b>Infiltration Cellular Lymphocytic</b>			
<b>LESION RATES</b>			
OVERALL(a)	3/281 (1%)	1/140 (1%)	2/141 (1%)
POLY-3 RATE (b)	3/239.51	1/109.73	2/112.70
POLY-3 PERCENT (g)	1.3%	0.9%	1.8%
TERMINAL (d)	1/171 (1%)	0/59 (0%)	0/63 (0%)
FIRST INCIDENCE	551	670	459
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.474	P=0.602N	P=0.538
POLY 1.5	P=0.486	P=0.588N	P=0.549
POLY 6	P=0.455	P=0.624N	P=0.521
COCH-ARM / FISHERS	P=0.501	P=0.594N	P=0.541
MAX-ISO-POLY-3	P=0.471	P=0.408N	P=0.373
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)  
 CAS Number: URETHCOMB

Date Report Requested: 10/24/2014  
 Time Report Requested: 03:41:00  
 First Dose M/F: NA / NA  
 Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
 LAST REMOVAL AT 110 WEEKS**

DOSE	FEMALE		
	0% ETH/ 0PPM URE	2.5%ETH/90PPMURE	5.0%ETH/90PPMURE
<b>Mammary Gland</b>			
<b>Lactation</b>			
<b>LESION RATES</b>			
OVERALL(a)	15/281 (5%)	11/140 (8%)	5/141 (4%)
POLY-3 RATE (b)	15/239.13	11/110.94	5/111.66
POLY-3 PERCENT (g)	6.3%	9.9%	4.5%
TERMINAL (d)	13/171 (8%)	7/59 (12%)	3/63 (5%)
FIRST INCIDENCE	677	593	688
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.425N	P=0.163	P=0.336N
POLY 1.5	P=0.391N	P=0.186	P=0.314N
POLY 6	P=0.476N	P=0.132	P=0.369N
COCH-ARM / FISHERS	P=0.346N	P=0.211	P=0.289N
MAX-ISO-POLY-3	P=0.270N	P=0.156	P=0.286N
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/24/2014

Time Report Requested: 03:41:00

First Dose M/F: NA / NA

Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
LAST REMOVAL AT 110 WEEKS**

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DOSE	FEMALE		
	0% ETH/ 0PPM URE	2.5%ETH/90PPMURE	5.0%ETH/90PPMURE
<hr/>			
Mammary Gland: Duct			
Ectasia			
<hr/>			
LESION RATES			
OVERALL(a)	4/281 (1%)	1/140 (1%)	0/141 (0%)
POLY-3 RATE (b)	4/239.25	1/109.42	0/111.34
POLY-3 PERCENT (g)	1.7%	0.9%	0%
TERMINAL (d)	2/171 (1%)	0/59 (0%)	0/63 (0%)
FIRST INCIDENCE	669	762	---
<hr/>			
STATISTICAL TESTS			
POLY 3	P=0.128N	P=0.474N	P=0.206N
POLY 1.5	P=0.121N	P=0.457N	P=0.198N
POLY 6	P=0.140N	P=0.500N	P=0.218N
COCH-ARM / FISHERS	P=0.111N	P=0.462N	P=0.195N
MAX-ISO-POLY-3	P=0.165N	P=0.324N	P=0.127N
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/24/2014

Time Report Requested: 03:41:00

First Dose M/F: NA / NA

Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
LAST REMOVAL AT 110 WEEKS**

---

<b>FEMALE</b>			
<b>DOSE</b>	<b>0% ETH/ 0PPM URE</b>	<b>2.5%ETH/90PPMURE</b>	<b>5.0%ETH/90PPMURE</b>
<b>Mesentery: Fat</b>			
<b>Necrosis</b>			
<b>LESION RATES</b>			
<b>OVERALL(a)</b>	20/25 (80%)	12/17 (71%)	11/12 (92%)
<b>POLY-3 RATE (b)</b>	20/23.64	12/15.81	11/12.00
<b>POLY-3 PERCENT (g)</b>	84.6%	75.9%	91.7%
<b>TERMINAL (d)</b>	14/14 (100%)	7/9 (78%)	8/9 (89%)
<b>FIRST INCIDENCE</b>	541	508	598
<b>STATISTICAL TESTS</b>			
<b>POLY 3</b>	P=0.448	P=0.386N	P=0.472
<b>POLY 1.5</b>	P=0.400	P=0.382N	P=0.402
<b>POLY 6</b>	P=0.550	P=0.376N	P=0.610
<b>COCH-ARM / FISHERS</b>	P=0.358	P=0.366N	P=0.350
<b>MAX-ISO-POLY-3</b>	P=0.310	P=0.251N	P=0.287
<b>HISTCONT SAME RTE</b>			
<b>HISTCONT ALL RTES</b>			
<b>CURR VS HC SAME RTE</b>			
<b>CURR VS HC ALL RTES</b>			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/24/2014

Time Report Requested: 03:41:00

First Dose M/F: NA / NA

Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
LAST REMOVAL AT 110 WEEKS**

DOSE	FEMALE		
	0% ETH/ 0PPM URE	2.5%ETH/90PPMURE	5.0%ETH/90PPMURE
<b>Nose</b>			
<b>Autolysis</b>			
<b>LESION RATES</b>			
OVERALL(a)	2/284 (1%)	0/143 (0%)	0/143 (0%)
POLY-3 RATE (b)	2/241.02	0/111.65	0/112.43
POLY-3 PERCENT (g)	0.8%	0%	0%
TERMINAL (d)	0/172 (0%)	0/60 (0%)	0/63 (0%)
FIRST INCIDENCE	584	---	---
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.210N	P=0.421N	P=0.419N
POLY 1.5	P=0.204N	P=0.410N	P=0.411N
POLY 6	P=0.220N	P=0.437N	P=0.431N
COCH-ARM / FISHERS	P=0.195N	P=0.442N	P=0.442N
MAX-ISO-POLY-3	P=0.245N	P=0.211N	P=0.210N
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Test Compound: Urethane + ethanol (combination)  
 CAS Number: URETHCOMB

Date Report Requested: 10/24/2014  
 Time Report Requested: 03:41:00  
 First Dose M/F: NA / NA  
 Lab: NCTR

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
 LAST REMOVAL AT 110 WEEKS

DOSE	FEMALE		
	0% ETH/ 0PPM URE	2.5%ETH/90PPMURE	5.0%ETH/90PPMURE
<b>Nose</b>			
<b>Fibrous Osteodystrophy</b>			
<b>LESION RATES</b>			
OVERALL(a)	8/284 (3%)	0/143 (0%)	0/143 (0%)
POLY-3 RATE (b)	8/240.64	0/111.65	0/112.43
POLY-3 PERCENT (g)	3.3%	0%	0%
TERMINAL (d)	5/172 (3%)	0/60 (0%)	0/63 (0%)
FIRST INCIDENCE	636	---	---
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.011N*	P=0.061N	P=0.060N
POLY 1.5	P=0.010N**	P=0.055N	P=0.055N
POLY 6	P=0.013N*	P=0.072N	P=0.068N
COCH-ARM / FISHERS	P=0.009N**	P=0.037N*	P=0.037N*
MAX-ISO-POLY-3	P=0.013N*	P=0.052N	P=0.051N
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/24/2014

Time Report Requested: 03:41:00

First Dose M/F: NA / NA

Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
LAST REMOVAL AT 110 WEEKS**

<b>FEMALE</b>			
<b>DOSE</b>	<b>0% ETH/ 0PPM URE</b>	<b>2.5%ETH/90PPMURE</b>	<b>5.0%ETH/90PPMURE</b>
<b>Nose</b>			
<b>Inflammation</b>			
<b>LESION RATES</b>			
<b>OVERALL(a)</b>	1/284 (0%)	1/143 (1%)	0/143 (0%)
<b>POLY-3 RATE (b)</b>	1/240.64	1/112.30	0/112.43
<b>POLY-3 PERCENT (g)</b>	0.4%	0.9%	0%
<b>TERMINAL (d)</b>	0/172 (0%)	0/60 (0%)	0/63 (0%)
<b>FIRST INCIDENCE</b>	541	542	---
<b>STATISTICAL TESTS</b>			
<b>POLY 3</b>	(n)	(n)	(n)
<b>POLY 1.5</b>	(n)	(n)	(n)
<b>POLY 6</b>	(n)	(n)	(n)
<b>COCH-ARM / FISHERS</b>	(n)	(n)	(n)
<b>MAX-ISO-POLY-3</b>	(n)	(n)	(n)
<b>HISTCONT SAME RTE</b>			
<b>HISTCONT ALL RTES</b>			
<b>CURR VS HC SAME RTE</b>			
<b>CURR VS HC ALL RTES</b>			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/24/2014

Time Report Requested: 03:41:00

First Dose M/F: NA / NA

Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
 LAST REMOVAL AT 110 WEEKS**

DOSE	FEMALE		
	0% ETH/ 0PPM URE	2.5%ETH/90PPMURE	5.0%ETH/90PPMURE
<b>Nose: Mucosa</b>			
<b>Cyst</b>			
<b>LESION RATES</b>			
OVERALL(a)	0/284 (0%)	0/143 (0%)	0/143 (0%)
POLY-3 RATE (b)	0/239.99	0/111.65	0/112.43
POLY-3 PERCENT (g)	0%	0%	0%
TERMINAL (d)	0/172 (0%)	0/60 (0%)	0/63 (0%)
FIRST INCIDENCE	---	---	---
<b>STATISTICAL TESTS</b>			
POLY 3	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			



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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)  
 CAS Number: URETHCOMB

Date Report Requested: 10/24/2014  
 Time Report Requested: 03:41:00  
 First Dose M/F: NA / NA  
 Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
 LAST REMOVAL AT 110 WEEKS**

DOSE	FEMALE		
	0% ETH/ 0PPM URE	2.5%ETH/90PPMURE	5.0%ETH/90PPMURE
<b>Nose: Olfactory Epi</b>			
<b>Cytoplasmic Alteration</b>			
<b>LESION RATES</b>			
OVERALL(a)	0/284 (0%)	0/143 (0%)	0/143 (0%)
POLY-3 RATE (b)	0/239.99	0/111.65	0/112.43
POLY-3 PERCENT (g)	0%	0%	0%
TERMINAL (d)	0/172 (0%)	0/60 (0%)	0/63 (0%)
FIRST INCIDENCE	---	---	---
<b>STATISTICAL TESTS</b>			
POLY 3	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/24/2014

Time Report Requested: 03:41:00

First Dose M/F: NA / NA

Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
LAST REMOVAL AT 110 WEEKS**

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<b>FEMALE</b>			
<b>DOSE</b>	<b>0% ETH/ 0PPM URE</b>	<b>2.5%ETH/90PPMURE</b>	<b>5.0%ETH/90PPMURE</b>
<b>Nose: Respirat Epith</b>			
<b>Cytoplasmic Alteration</b>			
<b>LESION RATES</b>			
<b>OVERALL(a)</b>	0/284 (0%)	0/143 (0%)	0/143 (0%)
<b>POLY-3 RATE (b)</b>	0/239.99	0/111.65	0/112.43
<b>POLY-3 PERCENT (g)</b>	0%	0%	0%
<b>TERMINAL (d)</b>	0/172 (0%)	0/60 (0%)	0/63 (0%)
<b>FIRST INCIDENCE</b>	---	---	---
<b>STATISTICAL TESTS</b>			
<b>POLY 3</b>	(n)	(n)	(n)
<b>POLY 1.5</b>	(n)	(n)	(n)
<b>POLY 6</b>	(n)	(n)	(n)
<b>COCH-ARM / FISHERS</b>	(n)	(n)	(n)
<b>MAX-ISO-POLY-3</b>	(n)	(n)	(n)
<b>HISTCONT SAME RTE</b>			
<b>HISTCONT ALL RTES</b>			
<b>CURR VS HC SAME RTE</b>			
<b>CURR VS HC ALL RTES</b>			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/24/2014

Time Report Requested: 03:41:00

First Dose M/F: NA / NA

Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
LAST REMOVAL AT 110 WEEKS**

<b>FEMALE</b>			
<b>DOSE</b>	<b>0% ETH/ 0PPM URE</b>	<b>2.5%ETH/90PPMURE</b>	<b>5.0%ETH/90PPMURE</b>
<b>Ovary</b>			
<b>Angiectasis</b>			
<b>LESION RATES</b>			
<b>OVERALL(a)</b>	16/272 (6%)	12/141 (9%)	14/138 (10%)
<b>POLY-3 RATE (b)</b>	16/233.76	12/112.81	14/110.67
<b>POLY-3 PERCENT (g)</b>	6.8%	10.6%	12.7%
<b>TERMINAL (d)</b>	10/172 (6%)	5/60 (8%)	7/62 (11%)
<b>FIRST INCIDENCE</b>	635	360	629
<b>STATISTICAL TESTS</b>			
<b>POLY 3</b>	P=0.042*	P=0.160	P=0.058
<b>POLY 1.5</b>	P=0.051	P=0.185	P=0.069
<b>POLY 6</b>	P=0.030*	P=0.125	P=0.046*
<b>COCH-ARM / FISHERS</b>	P=0.067	P=0.210	P=0.088
<b>MAX-ISO-POLY-3</b>	P=0.055	P=0.154	P=0.066
<b>HISTCONT SAME RTE</b>			
<b>HISTCONT ALL RTES</b>			
<b>CURR VS HC SAME RTE</b>			
<b>CURR VS HC ALL RTES</b>			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/24/2014

Time Report Requested: 03:41:01

First Dose M/F: NA / NA

Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
LAST REMOVAL AT 110 WEEKS**

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<b>FEMALE</b>			
<b>DOSE</b>	<b>0% ETH/ 0PPM URE</b>	<b>2.5%ETH/90PPMURE</b>	<b>5.0%ETH/90PPMURE</b>
<hr/>			
<b>Ovary</b>			
<b>Atrophy</b>			
<hr/>			
<b>LESION RATES</b>			
<b>OVERALL(a)</b>	227/272 (83%)	119/141 (84%)	111/138 (80%)
<b>POLY-3 RATE (b)</b>	227/258.66	119/133.49	111/126.41
<b>POLY-3 PERCENT (g)</b>	87.8%	89.1%	87.8%
<b>TERMINAL (d)</b>	157/172 (91%)	54/60 (90%)	56/62 (90%)
<b>FIRST INCIDENCE</b>	391	360	459
<hr/>			
<b>STATISTICAL TESTS</b>			
<b>POLY 3</b>	P=0.495	P=0.400	P=0.564
<b>POLY 1.5</b>	P=0.462N	P=0.447	P=0.464N
<b>POLY 6</b>	P=0.400	P=0.336	P=0.481
<b>COCH-ARM / FISHERS</b>	P=0.275N	P=0.462	P=0.265N
<b>MAX-ISO-POLY-3</b>	P=0.577	P=0.354	P=0.495
<b>HISTCONT SAME RTE</b>			
<b>HISTCONT ALL RTES</b>			
<b>CURR VS HC SAME RTE</b>			
<b>CURR VS HC ALL RTES</b>			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/24/2014

Time Report Requested: 03:41:01

First Dose M/F: NA / NA

Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
 LAST REMOVAL AT 110 WEEKS**

DOSE	FEMALE		
	0% ETH/ 0PPM URE	2.5%ETH/90PPMURE	5.0%ETH/90PPMURE
Ovary			
Autolysis			
<b>LESION RATES</b>			
OVERALL(a)	3/272 (1%)	0/141 (0%)	0/138 (0%)
POLY-3 RATE (b)	3/233.11	0/110.34	0/108.79
POLY-3 PERCENT (g)	1.3%	0%	0%
TERMINAL (d)	0/172 (0%)	0/60 (0%)	0/62 (0%)
FIRST INCIDENCE	592	---	---
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.120N	P=0.286N	P=0.289N
POLY 1.5	P=0.115N	P=0.273N	P=0.279N
POLY 6	P=0.129N	P=0.305N	P=0.303N
COCH-ARM / FISHERS	P=0.108N	P=0.285N	P=0.291N
MAX-ISO-POLY-3	P=0.167N	P=0.160N	P=0.162N
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 Test Compound: Urethane + ethanol (combination)  
 CAS Number: URETHCOMB

Date Report Requested: 10/24/2014  
 Time Report Requested: 03:41:01  
 First Dose M/F: NA / NA  
 Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
 LAST REMOVAL AT 110 WEEKS**

DOSE	FEMALE		
	0% ETH/ 0PPM URE	2.5%ETH/90PPMURE	5.0%ETH/90PPMURE
Ovary			
Cyst			
<b>LESION RATES</b>			
OVERALL(a)	61/272 (22%)	23/141 (16%)	25/138 (18%)
POLY-3 RATE (b)	61/233.71	23/112.54	25/112.18
POLY-3 PERCENT (g)	26.1%	20.4%	22.3%
TERMINAL (d)	52/172 (30%)	17/60 (28%)	15/62 (24%)
FIRST INCIDENCE	635	353	559
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.186N	P=0.154N	P=0.262N
POLY 1.5	P=0.155N	P=0.117N	P=0.230N
POLY 6	P=0.243N	P=0.233N	P=0.314N
COCH-ARM / FISHERS	P=0.123N	P=0.090N	P=0.189N
MAX-ISO-POLY-3	P=0.260N	P=0.164N	P=0.256N
HISTCONT SAME RTE			
HISTCONT ALL RTEs			
CURR VS HC SAME RTE			
CURR VS HC ALL RTEs			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 Test Compound: Urethane + ethanol (combination)  
 CAS Number: URETHCOMB

Date Report Requested: 10/24/2014  
 Time Report Requested: 03:41:01  
 First Dose M/F: NA / NA  
 Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
 LAST REMOVAL AT 110 WEEKS**

DOSE	FEMALE		
	0% ETH/ 0PPM URE	2.5%ETH/90PPMURE	5.0%ETH/90PPMURE
Ovary			
Hematocyst			
<b>LESION RATES</b>			
OVERALL(a)	30/272 (11%)	8/141 (6%)	1/138 (1%)
POLY-3 RATE (b)	30/234.40	8/111.44	1/109.14
POLY-3 PERCENT (g)	12.8%	7.2%	0.9%
TERMINAL (d)	24/172 (14%)	4/60 (7%)	0/62 (0%)
FIRST INCIDENCE	438	614	664
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.000N**	P=0.086N	P=0.000N**
POLY 1.5	P=0.000N**	P=0.068N	P=0.000N**
POLY 6	P=0.000N**	P=0.121N	P=0.001N**
COCH-ARM / FISHERS	P=0.000N**	P=0.051N	P=0.000N**
MAX-ISO-POLY-3	P=0.000N**	P=0.096N	P=0.001N**
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/24/2014

Time Report Requested: 03:41:01

First Dose M/F: NA / NA

Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
LAST REMOVAL AT 110 WEEKS**

DOSE	FEMALE		
	0% ETH/ 0PPM URE	2.5%ETH/90PPMURE	5.0%ETH/90PPMURE
Ovary			
Hemorrhage			
<b>LESION RATES</b>			
OVERALL(a)	1/272 (0%)	3/141 (2%)	1/138 (1%)
POLY-3 RATE (b)	1/232.03	3/110.45	1/108.93
POLY-3 PERCENT (g)	0.4%	2.7%	0.9%
TERMINAL (d)	1/172 (1%)	2/60 (3%)	0/62 (0%)
FIRST INCIDENCE	765(T)	736	730
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.314	P=0.099	P=0.582
POLY 1.5	P=0.328	P=0.107	P=0.591
POLY 6	P=0.294	P=0.089	P=0.570
COCH-ARM / FISHERS	P=0.349	P=0.117	P=0.560
MAX-ISO-POLY-3	P=0.234	P=0.062	P=0.323
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			



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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/24/2014

Time Report Requested: 03:41:01

First Dose M/F: NA / NA

Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
LAST REMOVAL AT 110 WEEKS**

DOSE	FEMALE		
	0% ETH/ 0PPM URE	2.5%ETH/90PPMURE	5.0%ETH/90PPMURE
Ovary			
Hyperplasia			
<b>LESION RATES</b>			
OVERALL(a)	7/272 (3%)	6/141 (4%)	5/138 (4%)
POLY-3 RATE (b)	7/233.38	6/111.60	5/110.43
POLY-3 PERCENT (g)	3%	5.4%	4.5%
TERMINAL (d)	3/172 (2%)	1/60 (2%)	1/62 (2%)
FIRST INCIDENCE	635	628	629
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.245	P=0.220	P=0.344
POLY 1.5	P=0.265	P=0.241	P=0.362
POLY 6	P=0.217	P=0.190	P=0.320
COCH-ARM / FISHERS	P=0.293	P=0.259	P=0.377
MAX-ISO-POLY-3	P=0.323	P=0.183	P=0.273
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/24/2014

Time Report Requested: 03:41:01

First Dose M/F: NA / NA

Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
LAST REMOVAL AT 110 WEEKS**

DOSE	FEMALE		
	0% ETH/ 0PPM URE	2.5%ETH/90PPMURE	5.0%ETH/90PPMURE
Ovary			
Infiltration Cellular			
<b>LESION RATES</b>			
OVERALL(a)	3/272 (1%)	2/141 (1%)	1/138 (1%)
POLY-3 RATE (b)	3/232.72	2/110.34	1/108.79
POLY-3 PERCENT (g)	1.3%	1.8%	0.9%
TERMINAL (d)	2/172 (1%)	2/60 (3%)	1/62 (2%)
FIRST INCIDENCE	522	765(T)	765(T)
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.534N	P=0.541	P=0.595N
POLY 1.5	P=0.516N	P=0.559	P=0.582N
POLY 6	P=0.559N	P=0.513	P=0.612N
COCH-ARM / FISHERS	P=0.492N	P=0.556	P=0.587N
MAX-ISO-POLY-3	P=0.505N	P=0.377	P=0.402N
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/24/2014

Time Report Requested: 03:41:01

First Dose M/F: NA / NA

Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
LAST REMOVAL AT 110 WEEKS**

DOSE	FEMALE		
	0% ETH/ 0PPM URE	2.5%ETH/90PPMURE	5.0%ETH/90PPMURE
Ovary			
Mineralization			
<b>LESION RATES</b>			
OVERALL(a)	4/272 (1%)	2/141 (1%)	2/138 (1%)
POLY-3 RATE (b)	4/233.03	2/110.34	2/108.93
POLY-3 PERCENT (g)	1.7%	1.8%	1.8%
TERMINAL (d)	2/172 (1%)	2/60 (3%)	1/62 (2%)
FIRST INCIDENCE	522	765(T)	730
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.554	P=0.645	P=0.640
POLY 1.5	P=0.572	P=0.663	P=0.654
POLY 6	P=0.527	P=0.615	P=0.619
COCH-ARM / FISHERS	P=0.576N	P=0.666	P=0.657
MAX-ISO-POLY-3	P=0.637	P=0.479	P=0.474
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/24/2014

Time Report Requested: 03:41:01

First Dose M/F: NA / NA

Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
 LAST REMOVAL AT 110 WEEKS**

DOSE	FEMALE		
	0% ETH/ 0PPM URE	2.5%ETH/90PPMURE	5.0%ETH/90PPMURE
<b>Ovary</b>			
<b>Pigmentation</b>			
<b>LESION RATES</b>			
OVERALL(a)	3/272 (1%)	2/141 (1%)	1/138 (1%)
POLY-3 RATE (b)	3/232.03	2/110.34	1/108.79
POLY-3 PERCENT (g)	1.3%	1.8%	0.9%
TERMINAL (d)	3/172 (2%)	2/60 (3%)	1/62 (2%)
FIRST INCIDENCE	765(T)	765(T)	765(T)
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.533N	P=0.542	P=0.594N
POLY 1.5	P=0.515N	P=0.560	P=0.582N
POLY 6	P=0.557N	P=0.514	P=0.611N
COCH-ARM / FISHERS	P=0.492N	P=0.556	P=0.587N
MAX-ISO-POLY-3	P=0.504N	P=0.377	P=0.401N
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/24/2014

Time Report Requested: 03:41:01

First Dose M/F: NA / NA

Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
LAST REMOVAL AT 110 WEEKS**

DOSE	FEMALE		
	0% ETH/ 0PPM URE	2.5%ETH/90PPMURE	5.0%ETH/90PPMURE
Ovary			
Thrombosis			
<b>LESION RATES</b>			
OVERALL(a)	6/272 (2%)	2/141 (1%)	7/138 (5%)
POLY-3 RATE (b)	6/232.59	2/110.45	7/109.73
POLY-3 PERCENT (g)	2.6%	1.8%	6.4%
TERMINAL (d)	4/172 (2%)	1/60 (2%)	3/62 (5%)
FIRST INCIDENCE	676	736	629
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.076	P=0.477N	P=0.081
POLY 1.5	P=0.084	P=0.454N	P=0.089
POLY 6	P=0.064	P=0.513N	P=0.070
COCH-ARM / FISHERS	P=0.095	P=0.447N	P=0.105
MAX-ISO-POLY-3	P=0.066	P=0.357N	P=0.075
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/24/2014

Time Report Requested: 03:41:01

First Dose M/F: NA / NA

Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
LAST REMOVAL AT 110 WEEKS**

DOSE	FEMALE		
	0% ETH/ 0PPM URE	2.5%ETH/90PPMURE	5.0%ETH/90PPMURE
Ovary: Periovarn Tiss Cyst			
<b>LESION RATES</b>			
OVERALL(a)	4/272 (1%)	1/141 (1%)	2/138 (1%)
POLY-3 RATE (b)	4/232.78	1/110.52	2/109.59
POLY-3 PERCENT (g)	1.7%	0.9%	1.8%
TERMINAL (d)	2/172 (1%)	0/60 (0%)	0/62 (0%)
FIRST INCIDENCE	608	718	629
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.573N	P=0.459N	P=0.643
POLY 1.5	P=0.557N	P=0.441N	P=0.656
POLY 6	P=0.591	P=0.487N	P=0.624
COCH-ARM / FISHERS	P=0.537N	P=0.444N	P=0.657
MAX-ISO-POLY-3	P=0.565	P=0.312N	P=0.477
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/24/2014

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First Dose M/F: NA / NA

Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
LAST REMOVAL AT 110 WEEKS**

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<b>FEMALE</b>			
<b>DOSE</b>	<b>0% ETH/ 0PPM URE</b>	<b>2.5%ETH/90PPMURE</b>	<b>5.0%ETH/90PPMURE</b>
<b>Pancreas</b>			
<b>Angiectasis</b>			
<b>LESION RATES</b>			
<b>OVERALL(a)</b>	1/276 (0%)	2/135 (1%)	0/137 (0%)
<b>POLY-3 RATE (b)</b>	1/236.58	2/107.22	0/108.80
<b>POLY-3 PERCENT (g)</b>	0.4%	1.9%	0%
<b>TERMINAL (d)</b>	0/173 (0%)	1/60 (2%)	0/63 (0%)
<b>FIRST INCIDENCE</b>	718	718	---
<b>STATISTICAL TESTS</b>			
<b>POLY 3</b>	P=0.608N	P=0.243	P=0.653N
<b>POLY 1.5</b>	P=0.594N	P=0.252	P=0.647N
<b>POLY 6</b>	P=0.627N	P=0.230	P=0.660N
<b>COCH-ARM / FISHERS</b>	P=0.572N	P=0.252	P=0.668N
<b>MAX-ISO-POLY-3</b>	P=0.305N	P=0.135	P=0.286N
<b>HISTCONT SAME RTE</b>			
<b>HISTCONT ALL RTES</b>			
<b>CURR VS HC SAME RTE</b>			
<b>CURR VS HC ALL RTES</b>			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/24/2014

Time Report Requested: 03:41:01

First Dose M/F: NA / NA

Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
LAST REMOVAL AT 110 WEEKS**

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<b>FEMALE</b>			
<b>DOSE</b>	<b>0% ETH/ 0PPM URE</b>	<b>2.5%ETH/90PPMURE</b>	<b>5.0%ETH/90PPMURE</b>
<b>Pancreas</b>			
<b>Autolysis</b>			
<b>LESION RATES</b>			
<b>OVERALL(a)</b>	12/276 (4%)	8/135 (6%)	5/137 (4%)
<b>POLY-3 RATE (b)</b>	12/242.35	8/111.12	5/111.42
<b>POLY-3 PERCENT (g)</b>	5%	7.2%	4.5%
<b>TERMINAL (d)</b>	0/173 (0%)	0/60 (0%)	0/63 (0%)
<b>FIRST INCIDENCE</b>	515	360	347
<b>STATISTICAL TESTS</b>			
<b>POLY 3</b>	P=0.541	P=0.276	P=0.531N
<b>POLY 1.5</b>	P=0.527N	P=0.300	P=0.505N
<b>POLY 6</b>	P=0.494	P=0.243	P=0.567N
<b>COCH-ARM / FISHERS</b>	P=0.484N	P=0.318	P=0.482N
<b>MAX-ISO-POLY-3</b>	P=0.485N	P=0.239	P=0.437N
<b>HISTCONT SAME RTE</b>			
<b>HISTCONT ALL RTES</b>			
<b>CURR VS HC SAME RTE</b>			
<b>CURR VS HC ALL RTES</b>			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/24/2014

Time Report Requested: 03:41:01

First Dose M/F: NA / NA

Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
 LAST REMOVAL AT 110 WEEKS**

DOSE	FEMALE		
	0% ETH/ 0PPM URE	2.5%ETH/90PPMURE	5.0%ETH/90PPMURE
<b>Pancreas</b>			
<b>Infiltration Cellular Lymphocytic</b>			
<b>LESION RATES</b>			
OVERALL(a)	66/276 (24%)	28/135 (21%)	22/137 (16%)
POLY-3 RATE (b)	66/239.95	28/109.29	22/110.26
POLY-3 PERCENT (g)	27.5%	25.6%	20%
TERMINAL (d)	56/173 (32%)	22/60 (37%)	16/63 (25%)
FIRST INCIDENCE	522	468	654
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.080N	P=0.406N	P=0.084N
POLY 1.5	P=0.059N	P=0.340N	P=0.065N
POLY 6	P=0.121N	P=0.510N	P=0.117N
COCH-ARM / FISHERS	P=0.038N*	P=0.278N	P=0.042N*
MAX-ISO-POLY-3	P=0.109N	P=0.378N	P=0.101N
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/24/2014

Time Report Requested: 03:41:01

First Dose M/F: NA / NA

Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
LAST REMOVAL AT 110 WEEKS**

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<b>FEMALE</b>			
<b>DOSE</b>	<b>0% ETH/ 0PPM URE</b>	<b>2.5%ETH/90PPMURE</b>	<b>5.0%ETH/90PPMURE</b>
<b>Pancreas: Acinar Cell</b>			
<b>Atrophy</b>			
<b>LESION RATES</b>			
<b>OVERALL(a)</b>	5/276 (2%)	1/135 (1%)	2/137 (1%)
<b>POLY-3 RATE (b)</b>	5/236.41	1/107.04	2/109.41
<b>POLY-3 PERCENT (g)</b>	2.1%	0.9%	1.8%
<b>TERMINAL (d)</b>	4/173 (2%)	1/60 (2%)	1/63 (2%)
<b>FIRST INCIDENCE</b>	763	765(T)	559
<b>STATISTICAL TESTS</b>			
<b>POLY 3</b>	P=0.455N	P=0.373N	P=0.591N
<b>POLY 1.5</b>	P=0.440N	P=0.357N	P=0.578N
<b>POLY 6</b>	P=0.477N	P=0.397N	P=0.611N
<b>COCH-ARM / FISHERS</b>	P=0.420N	P=0.359N	P=0.574N
<b>MAX-ISO-POLY-3</b>	P=0.475N	P=0.261N	P=0.441N
<b>HISTCONT SAME RTE</b>			
<b>HISTCONT ALL RTES</b>			
<b>CURR VS HC SAME RTE</b>			
<b>CURR VS HC ALL RTES</b>			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/24/2014

Time Report Requested: 03:41:01

First Dose M/F: NA / NA

Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
LAST REMOVAL AT 110 WEEKS**

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<b>FEMALE</b>			
<b>DOSE</b>	<b>0% ETH/ 0PPM URE</b>	<b>2.5%ETH/90PPMURE</b>	<b>5.0%ETH/90PPMURE</b>
<b>Pancreas: Acinar Cell</b>			
<b>Vacuolization Cytoplasmic</b>			
<b>LESION RATES</b>			
<b>OVERALL(a)</b>	1/276 (0%)	0/135 (0%)	0/137 (0%)
<b>POLY-3 RATE (b)</b>	1/236.55	0/107.04	0/108.80
<b>POLY-3 PERCENT (g)</b>	0.4%	0%	0%
<b>TERMINAL (d)</b>	0/173 (0%)	0/60 (0%)	0/63 (0%)
<b>FIRST INCIDENCE</b>	725	---	---
<b>STATISTICAL TESTS</b>			
<b>POLY 3</b>	(n)	(n)	(n)
<b>POLY 1.5</b>	(n)	(n)	(n)
<b>POLY 6</b>	(n)	(n)	(n)
<b>COCH-ARM / FISHERS</b>	(n)	(n)	(n)
<b>MAX-ISO-POLY-3</b>	(n)	(n)	(n)
<b>HISTCONT SAME RTE</b>			
<b>HISTCONT ALL RTES</b>			
<b>CURR VS HC SAME RTE</b>			
<b>CURR VS HC ALL RTES</b>			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/24/2014

Time Report Requested: 03:41:01

First Dose M/F: NA / NA

Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
LAST REMOVAL AT 110 WEEKS**

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<b>FEMALE</b>			
<b>DOSE</b>	<b>0% ETH/ 0PPM URE</b>	<b>2.5%ETH/90PPMURE</b>	<b>5.0%ETH/90PPMURE</b>
<b>Parathyroid Gland</b>			
<b>Autolysis</b>			
<b>LESION RATES</b>			
<b>OVERALL(a)</b>	2/210 (1%)	1/105 (1%)	1/118 (1%)
<b>POLY-3 RATE (b)</b>	2/173.92	1/81.07	1/93.50
<b>POLY-3 PERCENT (g)</b>	1.1%	1.2%	1.1%
<b>TERMINAL (d)</b>	0/122 (0%)	0/45 (0%)	0/55 (0%)
<b>FIRST INCIDENCE</b>	618	690	686
<b>STATISTICAL TESTS</b>			
<b>POLY 3</b>	P=0.600N	P=0.711	P=0.707N
<b>POLY 1.5</b>	P=0.594N	P=0.721	P=0.702N
<b>POLY 6</b>	P=0.609N	P=0.697	P=0.713N
<b>COCH-ARM / FISHERS</b>	P=0.582N	P=0.705	P=0.739
<b>MAX-ISO-POLY-3</b>	P=0.636N	P=0.481	P=0.480N
<b>HISTCONT SAME RTE</b>			
<b>HISTCONT ALL RTES</b>			
<b>CURR VS HC SAME RTE</b>			
<b>CURR VS HC ALL RTES</b>			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/24/2014

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First Dose M/F: NA / NA

Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
LAST REMOVAL AT 110 WEEKS**

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<b>FEMALE</b>			
<b>DOSE</b>	<b>0% ETH/ 0PPM URE</b>	<b>2.5%ETH/90PPMURE</b>	<b>5.0%ETH/90PPMURE</b>
<b>Parathyroid Gland</b>			
<b>Cyst</b>			
<b>LESION RATES</b>			
<b>OVERALL(a)</b>	0/210 (0%)	1/105 (1%)	1/118 (1%)
<b>POLY-3 RATE (b)</b>	0/173.29	1/81.18	1/93.22
<b>POLY-3 PERCENT (g)</b>	0%	1.2%	1.1%
<b>TERMINAL (d)</b>	0/122 (0%)	0/45 (0%)	1/55 (2%)
<b>FIRST INCIDENCE</b>	---	651	765(T)
<b>STATISTICAL TESTS</b>			
<b>POLY 3</b>	(n)	(n)	(n)
<b>POLY 1.5</b>	(n)	(n)	(n)
<b>POLY 6</b>	(n)	(n)	(n)
<b>COCH-ARM / FISHERS</b>	(n)	(n)	(n)
<b>MAX-ISO-POLY-3</b>	(n)	(n)	(n)
<b>HISTCONT SAME RTE</b>			
<b>HISTCONT ALL RTES</b>			
<b>CURR VS HC SAME RTE</b>			
<b>CURR VS HC ALL RTES</b>			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

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First Dose M/F: NA / NA

Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
 LAST REMOVAL AT 110 WEEKS**

DOSE	FEMALE		
	0% ETH/ 0PPM URE	2.5%ETH/90PPMURE	5.0%ETH/90PPMURE
<b>Parathyroid Gland</b>			
<b>Infiltration Cellular Lymphocytic</b>			
<b>LESION RATES</b>			
OVERALL(a)	1/210 (0%)	0/105 (0%)	1/118 (1%)
POLY-3 RATE (b)	1/173.29	0/80.80	1/93.22
POLY-3 PERCENT (g)	0.6%	0%	1.1%
TERMINAL (d)	1/122 (1%)	0/45 (0%)	1/55 (2%)
FIRST INCIDENCE	765(T)	---	765(T)
<b>STATISTICAL TESTS</b>			
POLY 3	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

Experiment Number: 00602-05  
Test Type: CHRONIC  
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Test Compound: Urethane + ethanol (combination)  
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STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
LAST REMOVAL AT 110 WEEKS

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FEMALE			
DOSE	0% ETH/ 0PPM URE	2.5%ETH/90PPMURE	5.0%ETH/90PPMURE
<hr/>			
Peripheral Nerve Degeneration			
<hr/>			
LESION RATES			
OVERALL(a)	0/286 (0%)	0/142 (0%)	0/143 (0%)
POLY-3 RATE (b)	0/241.77	0/110.65	0/112.43
POLY-3 PERCENT (g)	0%	0%	0%
TERMINAL (d)	0/172 (0%)	0/59 (0%)	0/63 (0%)
FIRST INCIDENCE	---	---	---
<hr/>			
STATISTICAL TESTS			
POLY 3	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)

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First Dose M/F: NA / NA

Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
LAST REMOVAL AT 110 WEEKS**

---

<b>FEMALE</b>			
<b>DOSE</b>	<b>0% ETH/ 0PPM URE</b>	<b>2.5%ETH/90PPMURE</b>	<b>5.0%ETH/90PPMURE</b>
<b>Pituitary Gland</b>			
<b>Angiectasis</b>			
<b>LESION RATES</b>			
<b>OVERALL(a)</b>	11/247 (4%)	3/120 (2%)	3/119 (3%)
<b>POLY-3 RATE (b)</b>	11/211.23	3/93.83	3/96.27
<b>POLY-3 PERCENT (g)</b>	5.2%	3.2%	3.1%
<b>TERMINAL (d)</b>	8/152 (5%)	2/53 (4%)	0/56 (0%)
<b>FIRST INCIDENCE</b>	718	689	485
<b>STATISTICAL TESTS</b>			
<b>POLY 3</b>	P=0.215N	P=0.319N	P=0.303N
<b>POLY 1.5</b>	P=0.202N	P=0.294N	P=0.291N
<b>POLY 6</b>	P=0.236N	P=0.358N	P=0.322N
<b>COCH-ARM / FISHERS</b>	P=0.183N	P=0.273N	P=0.278N
<b>MAX-ISO-POLY-3</b>	P=0.301N	P=0.262N	P=0.247N
<b>HISTCONT SAME RTE</b>			
<b>HISTCONT ALL RTES</b>			
<b>CURR VS HC SAME RTE</b>			
<b>CURR VS HC ALL RTES</b>			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/24/2014

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First Dose M/F: NA / NA

Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
 LAST REMOVAL AT 110 WEEKS**

DOSE	FEMALE		
	0% ETH/ 0PPM URE	2.5%ETH/90PPMURE	5.0%ETH/90PPMURE
<b>Pituitary Gland</b>			
<b>Cyst</b>			
<b>LESION RATES</b>			
OVERALL(a)	0/247 (0%)	2/120 (2%)	0/119 (0%)
POLY-3 RATE (b)	0/211.00	2/93.56	0/94.94
POLY-3 PERCENT (g)	0%	2.1%	0%
TERMINAL (d)	0/152 (0%)	2/53 (4%)	0/56 (0%)
FIRST INCIDENCE	---	765(T)	---
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.466	P=0.090	(e)
POLY 1.5	P=0.475	P=0.094	(e)
POLY 6	P=0.455	P=0.083	(e)
COCH-ARM / FISHERS	P=0.491	P=0.106	(e)
MAX-ISO-POLY-3	P=0.213	P=0.039*	(e)
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/24/2014

Time Report Requested: 03:41:01

First Dose M/F: NA / NA

Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
LAST REMOVAL AT 110 WEEKS**

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DOSE	FEMALE		
	0% ETH/ 0PPM URE	2.5%ETH/90PPMURE	5.0%ETH/90PPMURE
<b>Pituitary Gland: Pars Distalis</b>			
<b>Cyst</b>			
<b>LESION RATES</b>			
OVERALL(a)	0/247 (0%)	0/120 (0%)	0/119 (0%)
POLY-3 RATE (b)	0/211.00	0/93.56	0/94.94
POLY-3 PERCENT (g)	0%	0%	0%
TERMINAL (d)	0/152 (0%)	0/53 (0%)	0/56 (0%)
FIRST INCIDENCE	---	---	---
<b>STATISTICAL TESTS</b>			
POLY 3	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/24/2014

Time Report Requested: 03:41:01

First Dose M/F: NA / NA

Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
LAST REMOVAL AT 110 WEEKS**

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<b>FEMALE</b>			
<b>DOSE</b>	<b>0% ETH/ 0PPM URE</b>	<b>2.5%ETH/90PPMURE</b>	<b>5.0%ETH/90PPMURE</b>
<b>Pituitary Gland: Pars Distalis</b>			
<b>Hyperplasia</b>			
<b>LESION RATES</b>			
<b>OVERALL(a)</b>	11/247 (4%)	6/120 (5%)	5/119 (4%)
<b>POLY-3 RATE (b)</b>	11/211.84	6/94.65	5/95.66
<b>POLY-3 PERCENT (g)</b>	5.2%	6.3%	5.2%
<b>TERMINAL (d)</b>	8/152 (5%)	2/53 (4%)	2/56 (4%)
<b>FIRST INCIDENCE</b>	626	640	642
<b>STATISTICAL TESTS</b>			
<b>POLY 3</b>	P=0.515	P=0.447	P=0.603
<b>POLY 1.5</b>	P=0.538	P=0.477	P=0.595N
<b>POLY 6</b>	P=0.482	P=0.405	P=0.579
<b>COCH-ARM / FISHERS</b>	P=0.531N	P=0.501	P=0.639
<b>MAX-ISO-POLY-3</b>	P=0.585	P=0.369	P=0.496
<b>HISTCONT SAME RTE</b>			
<b>HISTCONT ALL RTES</b>			
<b>CURR VS HC SAME RTE</b>			
<b>CURR VS HC ALL RTES</b>			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/24/2014

Time Report Requested: 03:41:01

First Dose M/F: NA / NA

Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
 LAST REMOVAL AT 110 WEEKS**

DOSE	FEMALE		
	0% ETH/ 0PPM URE	2.5%ETH/90PPMURE	5.0%ETH/90PPMURE
<b>Salivary Glands</b>			
<b>Atrophy</b>			
<b>LESION RATES</b>			
OVERALL(a)	4/286 (1%)	0/141 (0%)	0/142 (0%)
POLY-3 RATE (b)	4/242.55	0/110.33	0/111.66
POLY-3 PERCENT (g)	1.6%	0%	0%
TERMINAL (d)	1/173 (1%)	0/60 (0%)	0/63 (0%)
FIRST INCIDENCE	662	---	---
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.075N	P=0.211N	P=0.208N
POLY 1.5	P=0.071N	P=0.201N	P=0.200N
POLY 6	P=0.081N	P=0.228N	P=0.221N
COCH-ARM / FISHERS	P=0.066N	P=0.200N	P=0.198N
MAX-ISO-POLY-3	P=0.101N	P=0.131N	P=0.129N
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Test Compound: Urethane + ethanol (combination)  
 CAS Number: URETHCOMB

Date Report Requested: 10/24/2014  
 Time Report Requested: 03:41:01  
 First Dose M/F: NA / NA  
 Lab: NCTR

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
 LAST REMOVAL AT 110 WEEKS

DOSE	FEMALE		
	0% ETH/ 0PPM URE	2.5%ETH/90PPMURE	5.0%ETH/90PPMURE
<b>Salivary Glands</b>			
<b>Infiltration Cellular Lymphocytic</b>			
<b>LESION RATES</b>			
OVERALL(a)	211/286 (74%)	103/141 (73%)	115/142 (81%)
POLY-3 RATE (b)	211/261.06	103/128.76	115/132.19
POLY-3 PERCENT (g)	80.8%	80%	87%
TERMINAL (d)	155/173 (90%)	51/60 (85%)	57/63 (90%)
FIRST INCIDENCE	438	306	229
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.077	P=0.474N	P=0.064
POLY 1.5	P=0.078	P=0.440N	P=0.061
POLY 6	P=0.081	P=0.559N	P=0.075
COCH-ARM / FISHERS	P=0.078	P=0.480N	P=0.062
MAX-ISO-POLY-3	P=0.089	P=0.427N	P=0.072
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/24/2014

Time Report Requested: 03:41:01

First Dose M/F: NA / NA

Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
LAST REMOVAL AT 110 WEEKS**

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DOSE	FEMALE		
	0% ETH/ 0PPM URE	2.5%ETH/90PPMURE	5.0%ETH/90PPMURE
<b>Skeletal Muscle</b>			
<b>Infiltration Cellular Lymphocytic</b>			
<b>LESION RATES</b>			
OVERALL(a)	0/287 (0%)	0/143 (0%)	2/143 (1%)
POLY-3 RATE (b)	0/242.77	0/111.65	2/112.88
POLY-3 PERCENT (g)	0%	0%	1.8%
TERMINAL (d)	0/173 (0%)	0/60 (0%)	1/63 (2%)
FIRST INCIDENCE	---	---	629
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.041*	(e)	P=0.096
POLY 1.5	P=0.042*	(e)	P=0.099
POLY 6	P=0.039*	(e)	P=0.091
COCH-ARM / FISHERS	P=0.044*	(e)	P=0.110
MAX-ISO-POLY-3	P=0.028*	(e)	P=0.041*
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/24/2014

Time Report Requested: 03:41:01

First Dose M/F: NA / NA

Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
LAST REMOVAL AT 110 WEEKS**

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<b>FEMALE</b>			
<b>DOSE</b>	<b>0% ETH/ 0PPM URE</b>	<b>2.5%ETH/90PPMURE</b>	<b>5.0%ETH/90PPMURE</b>
<b>Skeletal Muscle</b>			
<b>Necrosis</b>			
<b>LESION RATES</b>			
<b>OVERALL(a)</b>	0/287 (0%)	0/143 (0%)	0/143 (0%)
<b>POLY-3 RATE (b)</b>	0/242.77	0/111.65	0/112.43
<b>POLY-3 PERCENT (g)</b>	0%	0%	0%
<b>TERMINAL (d)</b>	0/173 (0%)	0/60 (0%)	0/63 (0%)
<b>FIRST INCIDENCE</b>	---	---	---
<b>STATISTICAL TESTS</b>			
<b>POLY 3</b>	(n)	(n)	(n)
<b>POLY 1.5</b>	(n)	(n)	(n)
<b>POLY 6</b>	(n)	(n)	(n)
<b>COCH-ARM / FISHERS</b>	(n)	(n)	(n)
<b>MAX-ISO-POLY-3</b>	(n)	(n)	(n)
<b>HISTCONT SAME RTE</b>			
<b>HISTCONT ALL RTES</b>			
<b>CURR VS HC SAME RTE</b>			
<b>CURR VS HC ALL RTES</b>			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)  
 CAS Number: URETHCOMB

Date Report Requested: 10/24/2014  
 Time Report Requested: 03:41:01  
 First Dose M/F: NA / NA  
 Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
 LAST REMOVAL AT 110 WEEKS**

DOSE	FEMALE		
	0% ETH/ 0PPM URE	2.5%ETH/90PPMURE	5.0%ETH/90PPMURE
<b>Skin</b>			
<b>Autolysis</b>			
<b>LESION RATES</b>			
OVERALL(a)	3/285 (1%)	1/142 (1%)	3/143 (2%)
POLY-3 RATE (b)	3/244.10	1/111.56	3/114.47
POLY-3 PERCENT (g)	1.2%	0.9%	2.6%
TERMINAL (d)	0/173 (0%)	0/60 (0%)	0/63 (0%)
FIRST INCIDENCE	424	551	347
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.260	P=0.603N	P=0.305
POLY 1.5	P=0.271	P=0.588N	P=0.317
POLY 6	P=0.243	P=0.625N	P=0.289
COCH-ARM / FISHERS	P=0.284	P=0.594N	P=0.320
MAX-ISO-POLY-3	P=0.249	P=0.409N	P=0.211
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			



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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/24/2014

Time Report Requested: 03:41:01

First Dose M/F: NA / NA

Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
LAST REMOVAL AT 110 WEEKS**

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DOSE	FEMALE		
	0% ETH/ 0PPM URE	2.5%ETH/90PPMURE	5.0%ETH/90PPMURE
<hr/>			
Skin			
Edema			
<hr/>			
<b>LESION RATES</b>			
OVERALL(a)	0/285 (0%)	0/142 (0%)	0/143 (0%)
POLY-3 RATE (b)	0/242.02	0/110.93	0/112.43
POLY-3 PERCENT (g)	0%	0%	0%
TERMINAL (d)	0/173 (0%)	0/60 (0%)	0/63 (0%)
FIRST INCIDENCE	---	---	---
<hr/>			
<b>STATISTICAL TESTS</b>			
POLY 3	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 Test Compound: Urethane + ethanol (combination)  
 CAS Number: URETHCOMB

Date Report Requested: 10/24/2014  
 Time Report Requested: 03:41:01  
 First Dose M/F: NA / NA  
 Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
 LAST REMOVAL AT 110 WEEKS**

DOSE	FEMALE		
	0% ETH/ 0PPM URE	2.5%ETH/90PPMURE	5.0%ETH/90PPMURE
<b>Skin</b>			
<b>Erosion</b>			
<b>LESION RATES</b>			
OVERALL(a)	0/285 (0%)	0/142 (0%)	0/143 (0%)
POLY-3 RATE (b)	0/242.02	0/110.93	0/112.43
POLY-3 PERCENT (g)	0%	0%	0%
TERMINAL (d)	0/173 (0%)	0/60 (0%)	0/63 (0%)
FIRST INCIDENCE	---	---	---
<b>STATISTICAL TESTS</b>			
POLY 3	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)  
 CAS Number: URETHCOMB

Date Report Requested: 10/24/2014  
 Time Report Requested: 03:41:01  
 First Dose M/F: NA / NA  
 Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
 LAST REMOVAL AT 110 WEEKS**

DOSE	FEMALE		
	0% ETH/ 0PPM URE	2.5%ETH/90PPMURE	5.0%ETH/90PPMURE
<b>Skin</b>			
<b>Inflammation</b>			
<b>LESION RATES</b>			
OVERALL(a)	3/285 (1%)	1/142 (1%)	0/143 (0%)
POLY-3 RATE (b)	3/242.83	1/111.29	0/112.43
POLY-3 PERCENT (g)	1.2%	0.9%	0%
TERMINAL (d)	1/173 (1%)	0/60 (0%)	0/63 (0%)
FIRST INCIDENCE	541	659	---
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.205N	P=0.602N	P=0.291N
POLY 1.5	P=0.195N	P=0.587N	P=0.281N
POLY 6	P=0.220N	P=0.624N	P=0.304N
COCH-ARM / FISHERS	P=0.182N	P=0.594N	P=0.294N
MAX-ISO-POLY-3	P=0.227N	P=0.408N	P=0.163N
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 Test Compound: Urethane + ethanol (combination)  
 CAS Number: URETHCOMB

Date Report Requested: 10/24/2014  
 Time Report Requested: 03:41:01  
 First Dose M/F: NA / NA  
 Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
 LAST REMOVAL AT 110 WEEKS**

DOSE	FEMALE		
	0% ETH/ 0PPM URE	2.5%ETH/90PPMURE	5.0%ETH/90PPMURE
<b>Skin</b>			
<b>Inflammation Chronic</b>			
<b>LESION RATES</b>			
OVERALL(a)	0/285 (0%)	0/142 (0%)	1/143 (1%)
POLY-3 RATE (b)	0/242.02	0/110.93	1/112.43
POLY-3 PERCENT (g)	0%	0%	0.9%
TERMINAL (d)	0/173 (0%)	0/60 (0%)	1/63 (2%)
FIRST INCIDENCE	---	---	765(T)
<b>STATISTICAL TESTS</b>			
POLY 3	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 Test Compound: Urethane + ethanol (combination)  
 CAS Number: URETHCOMB

Date Report Requested: 10/24/2014  
 Time Report Requested: 03:41:01  
 First Dose M/F: NA / NA  
 Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
 LAST REMOVAL AT 110 WEEKS**

DOSE	FEMALE		
	0% ETH/ 0PPM URE	2.5%ETH/90PPMURE	5.0%ETH/90PPMURE
<b>Skin</b>			
<b>Metaplasia Osseous</b>			
<b>LESION RATES</b>			
OVERALL(a)	0/285 (0%)	0/142 (0%)	0/143 (0%)
POLY-3 RATE (b)	0/242.02	0/110.93	0/112.43
POLY-3 PERCENT (g)	0%	0%	0%
TERMINAL (d)	0/173 (0%)	0/60 (0%)	0/63 (0%)
FIRST INCIDENCE	---	---	---
<b>STATISTICAL TESTS</b>			
POLY 3	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/24/2014

Time Report Requested: 03:41:01

First Dose M/F: NA / NA

Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
LAST REMOVAL AT 110 WEEKS**

DOSE	FEMALE		
	0% ETH/ 0PPM URE	2.5%ETH/90PPMURE	5.0%ETH/90PPMURE
Skin			
Ulcer			
<b>LESION RATES</b>			
OVERALL(a)	2/285 (1%)	1/142 (1%)	0/143 (0%)
POLY-3 RATE (b)	2/242.41	1/111.20	0/112.43
POLY-3 PERCENT (g)	0.8%	0.9%	0%
TERMINAL (d)	1/173 (1%)	0/60 (0%)	0/63 (0%)
FIRST INCIDENCE	649	690	---
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.328N	P=0.707	P=0.420N
POLY 1.5	P=0.316N	P=0.718	P=0.412N
POLY 6	P=0.345N	P=0.690	P=0.433N
COCH-ARM / FISHERS	P=0.300N	P=0.704	P=0.443N
MAX-ISO-POLY-3	P=0.305N	P=0.477	P=0.211N
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/24/2014

Time Report Requested: 03:41:01

First Dose M/F: NA / NA

Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
LAST REMOVAL AT 110 WEEKS**

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<b>FEMALE</b>			
<b>DOSE</b>	<b>0% ETH/ 0PPM URE</b>	<b>2.5%ETH/90PPMURE</b>	<b>5.0%ETH/90PPMURE</b>
<b>Skin: Epithelium</b>			
<b>Hyperplasia</b>			
<b>LESION RATES</b>			
<b>OVERALL(a)</b>	0/285 (0%)	0/142 (0%)	0/143 (0%)
<b>POLY-3 RATE (b)</b>	0/242.02	0/110.93	0/112.43
<b>POLY-3 PERCENT (g)</b>	0%	0%	0%
<b>TERMINAL (d)</b>	0/173 (0%)	0/60 (0%)	0/63 (0%)
<b>FIRST INCIDENCE</b>	---	---	---
<b>STATISTICAL TESTS</b>			
<b>POLY 3</b>	(n)	(n)	(n)
<b>POLY 1.5</b>	(n)	(n)	(n)
<b>POLY 6</b>	(n)	(n)	(n)
<b>COCH-ARM / FISHERS</b>	(n)	(n)	(n)
<b>MAX-ISO-POLY-3</b>	(n)	(n)	(n)
<b>HISTCONT SAME RTE</b>			
<b>HISTCONT ALL RTES</b>			
<b>CURR VS HC SAME RTE</b>			
<b>CURR VS HC ALL RTES</b>			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/24/2014

Time Report Requested: 03:41:01

First Dose M/F: NA / NA

Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
LAST REMOVAL AT 110 WEEKS**

<b>FEMALE</b>			
<b>DOSE</b>	<b>0% ETH/ 0PPM URE</b>	<b>2.5%ETH/90PPMURE</b>	<b>5.0%ETH/90PPMURE</b>
<b>Spinal Cord: Thoracic</b>			
<b>Autolysis</b>			
<b>LESION RATES</b>			
<b>OVERALL(a)</b>	2/287 (1%)	1/142 (1%)	0/135 (0%)
<b>POLY-3 RATE (b)</b>	2/243.80	1/111.54	0/105.40
<b>POLY-3 PERCENT (g)</b>	0.8%	0.9%	0%
<b>TERMINAL (d)</b>	0/173 (0%)	0/60 (0%)	0/58 (0%)
<b>FIRST INCIDENCE</b>	584	551	---
<b>STATISTICAL TESTS</b>			
<b>POLY 3</b>	P=0.343N	P=0.706	P=0.437N
<b>POLY 1.5</b>	P=0.331N	P=0.717	P=0.429N
<b>POLY 6</b>	P=0.361N	P=0.690	P=0.450N
<b>COCH-ARM / FISHERS</b>	P=0.313N	P=0.702	P=0.462N
<b>MAX-ISO-POLY-3</b>	P=0.319N	P=0.476	P=0.222N
<b>HISTCONT SAME RTE</b>			
<b>HISTCONT ALL RTES</b>			
<b>CURR VS HC SAME RTE</b>			
<b>CURR VS HC ALL RTES</b>			



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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/24/2014

Time Report Requested: 03:41:01

First Dose M/F: NA / NA

Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
LAST REMOVAL AT 110 WEEKS**

DOSE	FEMALE		
	0% ETH/ 0PPM URE	2.5%ETH/90PPMURE	5.0%ETH/90PPMURE
<b>Spinal Cord: Thoracic Hemorrhage</b>			
<b>LESION RATES</b>			
OVERALL(a)	1/287 (0%)	1/142 (1%)	2/135 (1%)
POLY-3 RATE (b)	1/242.96	1/111.00	2/106.03
POLY-3 PERCENT (g)	0.4%	0.9%	1.9%
TERMINAL (d)	0/173 (0%)	0/60 (0%)	0/58 (0%)
FIRST INCIDENCE	712	743	645
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.153	P=0.576	P=0.232
POLY 1.5	P=0.160	P=0.586	P=0.240
POLY 6	P=0.144	P=0.560	P=0.222
COCH-ARM / FISHERS	P=0.168	P=0.553	P=0.241
MAX-ISO-POLY-3	P=0.178	P=0.318	P=0.129
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
Test Compound: Urethane + ethanol (combination)  
CAS Number: URETHCOMB

Date Report Requested: 10/24/2014  
Time Report Requested: 03:41:01  
First Dose M/F: NA / NA  
Lab: NCTR

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
LAST REMOVAL AT 110 WEEKS

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FEMALE			
DOSE	0% ETH/ 0PPM URE	2.5%ETH/90PPMURE	5.0%ETH/90PPMURE
<b>Spinal Cord: Thoracic</b>			
<b>Necrosis</b>			
<b>LESION RATES</b>			
OVERALL(a)	0/287 (0%)	0/142 (0%)	0/135 (0%)
POLY-3 RATE (b)	0/242.77	0/110.92	0/105.40
POLY-3 PERCENT (g)	0%	0%	0%
TERMINAL (d)	0/173 (0%)	0/60 (0%)	0/58 (0%)
FIRST INCIDENCE	---	---	---
<b>STATISTICAL TESTS</b>			
POLY 3	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)  
 CAS Number: URETHCOMB

Date Report Requested: 10/24/2014  
 Time Report Requested: 03:41:01  
 First Dose M/F: NA / NA  
 Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
 LAST REMOVAL AT 110 WEEKS**

DOSE	FEMALE		
	0% ETH/ 0PPM URE	2.5%ETH/90PPMURE	5.0%ETH/90PPMURE
<b>Spleen</b>			
<b>Angiectasis</b>			
<b>LESION RATES</b>			
OVERALL(a)	4/281 (1%)	3/138 (2%)	2/140 (1%)
POLY-3 RATE (b)	4/239.42	3/109.41	2/111.10
POLY-3 PERCENT (g)	1.7%	2.7%	1.8%
TERMINAL (d)	2/173 (1%)	1/60 (2%)	1/63 (2%)
FIRST INCIDENCE	717	620	613
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.497	P=0.402	P=0.637
POLY 1.5	P=0.514	P=0.419	P=0.649
POLY 6	P=0.472	P=0.377	P=0.619
COCH-ARM / FISHERS	P=0.537	P=0.420	P=0.649
MAX-ISO-POLY-3	P=0.516	P=0.291	P=0.471
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/24/2014

Time Report Requested: 03:41:01

First Dose M/F: NA / NA

Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
LAST REMOVAL AT 110 WEEKS**

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DOSE	FEMALE		
	0% ETH/ 0PPM URE	2.5%ETH/90PPMURE	5.0%ETH/90PPMURE
<hr/>			
Spleen			
Autolysis			
<hr/>			
LESION RATES			
OVERALL(a)	7/281 (2%)	5/138 (4%)	5/140 (4%)
POLY-3 RATE (b)	7/242.35	5/111.91	5/112.98
POLY-3 PERCENT (g)	2.9%	4.5%	4.4%
TERMINAL (d)	0/173 (0%)	0/60 (0%)	0/63 (0%)
FIRST INCIDENCE	584	360	347
<hr/>			
STATISTICAL TESTS			
POLY 3	P=0.255	P=0.329	P=0.335
POLY 1.5	P=0.274	P=0.348	P=0.353
POLY 6	P=0.227	P=0.299	P=0.309
COCH-ARM / FISHERS	P=0.298	P=0.356	P=0.365
MAX-ISO-POLY-3	P=0.356	P=0.261	P=0.266
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/24/2014

Time Report Requested: 03:41:01

First Dose M/F: NA / NA

Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
 LAST REMOVAL AT 110 WEEKS**

DOSE	FEMALE		
	0% ETH/ 0PPM URE	2.5%ETH/90PPMURE	5.0%ETH/90PPMURE
<b>Spleen</b>			
<b>Hematopoietic Cell Proliferation</b>			
<b>LESION RATES</b>			
OVERALL(a)	53/281 (19%)	48/138 (35%)	48/140 (34%)
POLY-3 RATE (b)	53/254.66	48/123.03	48/125.54
POLY-3 PERCENT (g)	20.8%	39%	38.2%
TERMINAL (d)	13/173 (8%)	10/60 (17%)	10/63 (16%)
FIRST INCIDENCE	391	306	229
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.000**	P=0.000**	P=0.000**
POLY 1.5	P=0.000**	P=0.000**	P=0.000**
POLY 6	P=0.000**	P=0.000**	P=0.000**
COCH-ARM / FISHERS	P=0.000**	P=0.000**	P=0.000**
MAX-ISO-POLY-3	P=0.000**	P<0.001**	P<0.001**
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)  
 CAS Number: URETHCOMB

Date Report Requested: 10/24/2014  
 Time Report Requested: 03:41:01  
 First Dose M/F: NA / NA  
 Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
 LAST REMOVAL AT 110 WEEKS**

DOSE	FEMALE		
	0% ETH/ 0PPM URE	2.5%ETH/90PPMURE	5.0%ETH/90PPMURE
<b>Spleen</b>			
<b>Infiltration Cellular</b>			
<b>LESION RATES</b>			
OVERALL(a)	1/281 (0%)	0/138 (0%)	0/140 (0%)
POLY-3 RATE (b)	1/239.25	0/108.84	0/110.61
POLY-3 PERCENT (g)	0.4%	0%	0%
TERMINAL (d)	0/173 (0%)	0/60 (0%)	0/63 (0%)
FIRST INCIDENCE	717	---	---
<b>STATISTICAL TESTS</b>			
POLY 3	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/24/2014

Time Report Requested: 03:41:01

First Dose M/F: NA / NA

Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
LAST REMOVAL AT 110 WEEKS**

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<b>FEMALE</b>			
<b>DOSE</b>	<b>0% ETH/ 0PPM URE</b>	<b>2.5%ETH/90PPMURE</b>	<b>5.0%ETH/90PPMURE</b>
<hr/>			
<b>Spleen</b>			
<b>Pigmentation</b>			
<hr/>			
<b>LESION RATES</b>			
<b>OVERALL(a)</b>	5/281 (2%)	3/138 (2%)	1/140 (1%)
<b>POLY-3 RATE (b)</b>	5/241.25	3/109.68	1/110.89
<b>POLY-3 PERCENT (g)</b>	2.1%	2.7%	0.9%
<b>TERMINAL (d)</b>	1/173 (1%)	1/60 (2%)	0/63 (0%)
<b>FIRST INCIDENCE</b>	522	614	688
<hr/>			
<b>STATISTICAL TESTS</b>			
<b>POLY 3</b>	P=0.355N	P=0.500	P=0.367N
<b>POLY 1.5</b>	P=0.336N	P=0.520	P=0.353N
<b>POLY 6</b>	P=0.383N	P=0.471	P=0.387N
<b>COCH-ARM / FISHERS</b>	P=0.309N	P=0.523	P=0.351N
<b>MAX-ISO-POLY-3</b>	P=0.327N	P=0.374	P=0.256N
<b>HISTCONT SAME RTE</b>			
<b>HISTCONT ALL RTES</b>			
<b>CURR VS HC SAME RTE</b>			
<b>CURR VS HC ALL RTES</b>			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/24/2014

Time Report Requested: 03:41:01

First Dose M/F: NA / NA

Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
LAST REMOVAL AT 110 WEEKS**

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DOSE	FEMALE		
	0% ETH/ 0PPM URE	2.5%ETH/90PPMURE	5.0%ETH/90PPMURE
<hr/>			
Spleen: Lymph Follic			
Atrophy			
<hr/>			
<b>LESION RATES</b>			
OVERALL(a)	0/281 (0%)	0/138 (0%)	0/140 (0%)
POLY-3 RATE (b)	0/239.07	0/108.84	0/110.61
POLY-3 PERCENT (g)	0%	0%	0%
TERMINAL (d)	0/173 (0%)	0/60 (0%)	0/63 (0%)
FIRST INCIDENCE	---	---	---
<hr/>			
<b>STATISTICAL TESTS</b>			
POLY 3	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 Test Compound: Urethane + ethanol (combination)  
 CAS Number: URETHCOMB

Date Report Requested: 10/24/2014  
 Time Report Requested: 03:41:01  
 First Dose M/F: NA / NA  
 Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
 LAST REMOVAL AT 110 WEEKS**

DOSE	FEMALE		
	0% ETH/ 0PPM URE	2.5%ETH/90PPMURE	5.0%ETH/90PPMURE
<b>Spleen: Lymph Follic Hyperplasia</b>			
<b>LESION RATES</b>			
OVERALL(a)	104/281 (37%)	33/138 (24%)	37/140 (26%)
POLY-3 RATE (b)	104/240.54	33/111.39	37/112.07
POLY-3 PERCENT (g)	43.2%	29.6%	33%
TERMINAL (d)	99/173 (57%)	25/60 (42%)	32/63 (51%)
FIRST INCIDENCE	489	614	629
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.014N*	P=0.009N**	P=0.041N*
POLY 1.5	P=0.010N**	P=0.006N**	P=0.030N*
POLY 6	P=0.024N*	P=0.016N*	P=0.063N
COCH-ARM / FISHERS	P=0.006N**	P=0.005N**	P=0.019N*
MAX-ISO-POLY-3	P=0.017N*	P=0.018N*	P=0.058N
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/24/2014

Time Report Requested: 03:41:01

First Dose M/F: NA / NA

Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
LAST REMOVAL AT 110 WEEKS**

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<b>FEMALE</b>			
<b>DOSE</b>	<b>0% ETH/ 0PPM URE</b>	<b>2.5%ETH/90PPMURE</b>	<b>5.0%ETH/90PPMURE</b>
<b>Stomach: Epithelium, Forestomach</b>			
<b>Hyperplasia</b>			
<b>LESION RATES</b>			
<b>OVERALL(a)</b>	44/281 (16%)	21/139 (15%)	19/133 (14%)
<b>POLY-3 RATE (b)</b>	44/246.59	21/114.55	19/111.01
<b>POLY-3 PERCENT (g)</b>	17.8%	18.3%	17.1%
<b>TERMINAL (d)</b>	24/173 (14%)	6/60 (10%)	2/58 (3%)
<b>FIRST INCIDENCE</b>	438	468	285
<b>STATISTICAL TESTS</b>			
<b>POLY 3</b>	P=0.479N	P=0.514	P=0.493N
<b>POLY 1.5</b>	P=0.438N	P=0.553N	P=0.460N
<b>POLY 6</b>	P=0.522	P=0.443	P=0.540N
<b>COCH-ARM / FISHERS</b>	P=0.386N	P=0.503N	P=0.419N
<b>MAX-ISO-POLY-3</b>	P=0.587N	P=0.462	P=0.444N
<b>HISTCONT SAME RTE</b>			
<b>HISTCONT ALL RTEs</b>			
<b>CURR VS HC SAME RTE</b>			
<b>CURR VS HC ALL RTEs</b>			

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
Test Compound: Urethane + ethanol (combination)  
CAS Number: URETHCOMB

Date Report Requested: 10/24/2014  
Time Report Requested: 03:41:01  
First Dose M/F: NA / NA  
Lab: NCTR

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
LAST REMOVAL AT 110 WEEKS

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FEMALE			
DOSE	0% ETH/ 0PPM URE	2.5%ETH/90PPMURE	5.0%ETH/90PPMURE
<b>Stomach: Epithelium, Glandular</b>			
<b>Hyperplasia</b>			
<b>LESION RATES</b>			
OVERALL(a)	1/281 (0%)	0/138 (0%)	0/131 (0%)
POLY-3 RATE (b)	1/239.15	0/108.60	0/103.07
POLY-3 PERCENT (g)	0.4%	0%	0%
TERMINAL (d)	1/173 (1%)	0/60 (0%)	0/58 (0%)
FIRST INCIDENCE	765(T)	---	---
<b>STATISTICAL TESTS</b>			
POLY 3	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/24/2014

Time Report Requested: 03:41:01

First Dose M/F: NA / NA

Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
LAST REMOVAL AT 110 WEEKS**

---

<b>FEMALE</b>			
<b>DOSE</b>	<b>0% ETH/ 0PPM URE</b>	<b>2.5%ETH/90PPMURE</b>	<b>5.0%ETH/90PPMURE</b>
<b>Stomach: Forestomach</b>			
<b>Autolysis</b>			
<b>LESION RATES</b>			
<b>OVERALL(a)</b>	14/281 (5%)	8/139 (6%)	5/133 (4%)
<b>POLY-3 RATE (b)</b>	14/246.35	8/112.93	5/107.80
<b>POLY-3 PERCENT (g)</b>	5.7%	7.1%	4.6%
<b>TERMINAL (d)</b>	0/173 (0%)	0/60 (0%)	0/58 (0%)
<b>FIRST INCIDENCE</b>	424	499	347
<b>STATISTICAL TESTS</b>			
<b>POLY 3</b>	P=0.458N	P=0.392	P=0.443N
<b>POLY 1.5</b>	P=0.424N	P=0.423	P=0.417N
<b>POLY 6</b>	P=0.509N	P=0.350	P=0.482N
<b>COCH-ARM / FISHERS</b>	P=0.380N	P=0.450	P=0.391N
<b>MAX-ISO-POLY-3</b>	P=0.448N	P=0.334	P=0.370N
<b>HISTCONT SAME RTE</b>			
<b>HISTCONT ALL RTES</b>			
<b>CURR VS HC SAME RTE</b>			
<b>CURR VS HC ALL RTES</b>			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/24/2014

Time Report Requested: 03:41:01

First Dose M/F: NA / NA

Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
 LAST REMOVAL AT 110 WEEKS**

DOSE	FEMALE		
	0% ETH/ 0PPM URE	2.5%ETH/90PPMURE	5.0%ETH/90PPMURE
<b>Stomach: Forestomach</b>			
<b>Cyst</b>			
<b>LESION RATES</b>			
OVERALL(a)	0/281 (0%)	0/139 (0%)	0/133 (0%)
POLY-3 RATE (b)	0/239.54	0/109.15	0/104.03
POLY-3 PERCENT (g)	0%	0%	0%
TERMINAL (d)	0/173 (0%)	0/60 (0%)	0/58 (0%)
FIRST INCIDENCE	---	---	---
<b>STATISTICAL TESTS</b>			
POLY 3	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/24/2014

Time Report Requested: 03:41:01

First Dose M/F: NA / NA

Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
LAST REMOVAL AT 110 WEEKS**

<b>FEMALE</b>			
<b>DOSE</b>	<b>0% ETH/ 0PPM URE</b>	<b>2.5%ETH/90PPMURE</b>	<b>5.0%ETH/90PPMURE</b>
<b>Stomach: Forestomach</b>			
<b>Foreign Body</b>			
<b>LESION RATES</b>			
<b>OVERALL(a)</b>	2/281 (1%)	2/139 (1%)	3/133 (2%)
<b>POLY-3 RATE (b)</b>	2/239.69	2/109.90	3/104.40
<b>POLY-3 PERCENT (g)</b>	0.8%	1.8%	2.9%
<b>TERMINAL (d)</b>	1/173 (1%)	0/60 (0%)	1/58 (2%)
<b>FIRST INCIDENCE</b>	725	594	663
<b>STATISTICAL TESTS</b>			
<b>POLY 3</b>	P=0.117	P=0.398	P=0.171
<b>POLY 1.5</b>	P=0.125	P=0.411	P=0.181
<b>POLY 6</b>	P=0.106	P=0.379	P=0.160
<b>COCH-ARM / FISHERS</b>	P=0.136	P=0.403	P=0.191
<b>MAX-ISO-POLY-3</b>	P=0.162	P=0.252	P=0.116
<b>HISTCONT SAME RTE</b>			
<b>HISTCONT ALL RTES</b>			
<b>CURR VS HC SAME RTE</b>			
<b>CURR VS HC ALL RTES</b>			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/24/2014

Time Report Requested: 03:41:01

First Dose M/F: NA / NA

Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
LAST REMOVAL AT 110 WEEKS**

DOSE	FEMALE		
	0% ETH/ 0PPM URE	2.5%ETH/90PPMURE	5.0%ETH/90PPMURE
<b>Stomach: Forestomach</b>			
<b>Hyperkeratosis</b>			
<b>LESION RATES</b>			
OVERALL(a)	5/281 (2%)	2/139 (1%)	8/133 (6%)
POLY-3 RATE (b)	5/240.84	2/109.63	8/106.94
POLY-3 PERCENT (g)	2.1%	1.8%	7.5%
TERMINAL (d)	2/173 (1%)	0/60 (0%)	0/58 (0%)
FIRST INCIDENCE	522	652	592
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.014*	P=0.599N	P=0.016*
POLY 1.5	P=0.016*	P=0.580N	P=0.018*
POLY 6	P=0.012*	P=0.627N	P=0.014*
COCH-ARM / FISHERS	P=0.019*	P=0.734	P=0.026*
MAX-ISO-POLY-3	P=0.016*	P=0.449N	P=0.020*
HISTCONT SAME RTE			
HISTCONT ALL RTEs			
CURR VS HC SAME RTE			
CURR VS HC ALL RTEs			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)  
 CAS Number: URETHCOMB

Date Report Requested: 10/24/2014  
 Time Report Requested: 03:41:01  
 First Dose M/F: NA / NA  
 Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
 LAST REMOVAL AT 110 WEEKS**

DOSE	FEMALE		
	0% ETH/ 0PPM URE	2.5%ETH/90PPMURE	5.0%ETH/90PPMURE
<b>Stomach: Forestomach</b>			
<b>Infiltration Cellular Lymphocytic</b>			
<b>LESION RATES</b>			
OVERALL(a)	2/281 (1%)	1/139 (1%)	0/133 (0%)
POLY-3 RATE (b)	2/239.80	1/109.15	0/104.03
POLY-3 PERCENT (g)	0.8%	0.9%	0%
TERMINAL (d)	1/173 (1%)	1/60 (2%)	0/58 (0%)
FIRST INCIDENCE	694	765(T)	---
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.343N	P=0.705	P=0.437N
POLY 1.5	P=0.330N	P=0.716	P=0.428N
POLY 6	P=0.361N	P=0.688	P=0.449N
COCH-ARM / FISHERS	P=0.312N	P=0.702	P=0.460N
MAX-ISO-POLY-3	P=0.318N	P=0.475	P=0.222N
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			



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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/24/2014

Time Report Requested: 03:41:01

First Dose M/F: NA / NA

Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
 LAST REMOVAL AT 110 WEEKS**

DOSE	FEMALE		
	0% ETH/ 0PPM URE	2.5%ETH/90PPMURE	5.0%ETH/90PPMURE
<b>Stomach: Forestomach</b>			
<b>Inflammation</b>			
<b>LESION RATES</b>			
OVERALL(a)	15/281 (5%)	5/139 (4%)	2/133 (2%)
POLY-3 RATE (b)	15/242.17	5/110.46	2/104.71
POLY-3 PERCENT (g)	6.2%	4.5%	1.9%
TERMINAL (d)	8/173 (5%)	2/60 (3%)	0/58 (0%)
FIRST INCIDENCE	522	565	531
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.060N	P=0.354N	P=0.080N
POLY 1.5	P=0.050N*	P=0.324N	P=0.070N
POLY 6	P=0.075N	P=0.400N	P=0.096N
COCH-ARM / FISHERS	P=0.040N*	P=0.300N	P=0.051N
MAX-ISO-POLY-3	P=0.080N	P=0.301N	P=0.082N
HISTCONT SAME RTE			
HISTCONT ALL RTEs			
CURR VS HC SAME RTE			
CURR VS HC ALL RTEs			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/24/2014

Time Report Requested: 03:41:01

First Dose M/F: NA / NA

Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
LAST REMOVAL AT 110 WEEKS**

DOSE	FEMALE		
	0% ETH/ 0PPM URE	2.5%ETH/90PPMURE	5.0%ETH/90PPMURE
<b>Stomach: Forestomach</b>			
<b>Ulcer</b>			
<b>LESION RATES</b>			
OVERALL(a)	4/281 (1%)	1/139 (1%)	2/133 (2%)
POLY-3 RATE (b)	4/239.87	1/109.15	2/104.42
POLY-3 PERCENT (g)	1.7%	0.9%	1.9%
TERMINAL (d)	3/173 (2%)	1/60 (2%)	0/58 (0%)
FIRST INCIDENCE	672	765(T)	675
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.581	P=0.476N	P=0.611
POLY 1.5	P=0.590N	P=0.459N	P=0.625
POLY 6	P=0.559	P=0.501N	P=0.591
COCH-ARM / FISHERS	P=0.569N	P=0.465N	P=0.626
MAX-ISO-POLY-3	P=0.535	P=0.325N	P=0.447
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/24/2014

Time Report Requested: 03:41:01

First Dose M/F: NA / NA

Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
LAST REMOVAL AT 110 WEEKS**

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<b>FEMALE</b>			
<b>DOSE</b>	<b>0% ETH/ 0PPM URE</b>	<b>2.5%ETH/90PPMURE</b>	<b>5.0%ETH/90PPMURE</b>
<b>Stomach: Glandular</b>			
<b>Autolysis</b>			
<b>LESION RATES</b>			
<b>OVERALL(a)</b>	14/281 (5%)	8/138 (6%)	5/131 (4%)
<b>POLY-3 RATE (b)</b>	14/245.96	8/112.38	5/106.84
<b>POLY-3 PERCENT (g)</b>	5.7%	7.1%	4.7%
<b>TERMINAL (d)</b>	0/173 (0%)	0/60 (0%)	0/58 (0%)
<b>FIRST INCIDENCE</b>	424	499	347
<b>STATISTICAL TESTS</b>			
<b>POLY 3</b>	P=0.464N	P=0.389	P=0.449N
<b>POLY 1.5</b>	P=0.433N	P=0.419	P=0.425N
<b>POLY 6</b>	P=0.511N	P=0.348	P=0.485N
<b>COCH-ARM / FISHERS</b>	P=0.392N	P=0.444	P=0.403N
<b>MAX-ISO-POLY-3</b>	P=0.453N	P=0.332	P=0.374N
<b>HISTCONT SAME RTE</b>			
<b>HISTCONT ALL RTES</b>			
<b>CURR VS HC SAME RTE</b>			
<b>CURR VS HC ALL RTES</b>			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
**Test Compound:** Urethane + ethanol (combination)  
**CAS Number:** URETHCOMB

**Date Report Requested:** 10/24/2014  
**Time Report Requested:** 03:41:01  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)**  
**LAST REMOVAL AT 110 WEEKS**

DOSE	FEMALE		
	0% ETH/ 0PPM URE	2.5%ETH/90PPMURE	5.0%ETH/90PPMURE
<b>Stomach: Glandular Cyst</b>			
<b>LESION RATES</b>			
OVERALL(a)	0/281 (0%)	0/138 (0%)	1/131 (1%)
POLY-3 RATE (b)	0/239.15	0/108.60	1/103.07
POLY-3 PERCENT (g)	0%	0%	1%
TERMINAL (d)	0/173 (0%)	0/60 (0%)	1/58 (2%)
FIRST INCIDENCE	---	---	765(T)
<b>STATISTICAL TESTS</b>			
POLY 3	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/24/2014

Time Report Requested: 03:41:01

First Dose M/F: NA / NA

Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
LAST REMOVAL AT 110 WEEKS**

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<b>FEMALE</b>			
<b>DOSE</b>	<b>0% ETH/ 0PPM URE</b>	<b>2.5%ETH/90PPMURE</b>	<b>5.0%ETH/90PPMURE</b>
<b>Stomach: Glandular Erosion</b>			
<b>LESION RATES</b>			
<b>OVERALL(a)</b>	0/281 (0%)	0/138 (0%)	0/131 (0%)
<b>POLY-3 RATE (b)</b>	0/239.15	0/108.60	0/103.07
<b>POLY-3 PERCENT (g)</b>	0%	0%	0%
<b>TERMINAL (d)</b>	0/173 (0%)	0/60 (0%)	0/58 (0%)
<b>FIRST INCIDENCE</b>	---	---	---
<b>STATISTICAL TESTS</b>			
<b>POLY 3</b>	(n)	(n)	(n)
<b>POLY 1.5</b>	(n)	(n)	(n)
<b>POLY 6</b>	(n)	(n)	(n)
<b>COCH-ARM / FISHERS</b>	(n)	(n)	(n)
<b>MAX-ISO-POLY-3</b>	(n)	(n)	(n)
<b>HISTCONT SAME RTE</b>			
<b>HISTCONT ALL RTES</b>			
<b>CURR VS HC SAME RTE</b>			
<b>CURR VS HC ALL RTES</b>			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)  
 CAS Number: URETHCOMB

Date Report Requested: 10/24/2014  
 Time Report Requested: 03:41:01  
 First Dose M/F: NA / NA  
 Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
 LAST REMOVAL AT 110 WEEKS**

DOSE	FEMALE		
	0% ETH/ 0PPM URE	2.5%ETH/90PPMURE	5.0%ETH/90PPMURE
<b>Stomach: Glandular</b>			
<b>Infiltration Cellular Lymphocytic</b>			
<b>LESION RATES</b>			
OVERALL(a)	1/281 (0%)	2/138 (1%)	0/131 (0%)
POLY-3 RATE (b)	1/239.84	2/108.60	0/103.07
POLY-3 PERCENT (g)	0.4%	1.8%	0%
TERMINAL (d)	0/173 (0%)	2/60 (3%)	0/58 (0%)
FIRST INCIDENCE	523	765(T)	---
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.626N	P=0.243	P=0.666N
POLY 1.5	P=0.612N	P=0.253	P=0.660N
POLY 6	P=0.639	P=0.229	P=0.673N
COCH-ARM / FISHERS	P=0.589N	P=0.253	P=0.682N
MAX-ISO-POLY-3	P=0.319N	P=0.135	P=0.295N
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)  
 CAS Number: URETHCOMB

Date Report Requested: 10/24/2014  
 Time Report Requested: 03:41:01  
 First Dose M/F: NA / NA  
 Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
 LAST REMOVAL AT 110 WEEKS**

DOSE	FEMALE		
	0% ETH/ 0PPM URE	2.5%ETH/90PPMURE	5.0%ETH/90PPMURE
<b>Stomach: Glandular Inflammation Acute</b>			
<b>LESION RATES</b>			
OVERALL(a)	0/281 (0%)	0/138 (0%)	0/131 (0%)
POLY-3 RATE (b)	0/239.15	0/108.60	0/103.07
POLY-3 PERCENT (g)	0%	0%	0%
TERMINAL (d)	0/173 (0%)	0/60 (0%)	0/58 (0%)
FIRST INCIDENCE	---	---	---
<b>STATISTICAL TESTS</b>			
POLY 3	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
Test Compound: Urethane + ethanol (combination)  
CAS Number: URETHCOMB

Date Report Requested: 10/24/2014  
Time Report Requested: 03:41:01  
First Dose M/F: NA / NA  
Lab: NCTR

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
LAST REMOVAL AT 110 WEEKS

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DOSE	FEMALE		
	0% ETH/ 0PPM URE	2.5%ETH/90PPMURE	5.0%ETH/90PPMURE
<b>Stomach: Glandular</b>			
<b>Inflammation Chronic</b>			
<b>LESION RATES</b>			
OVERALL(a)	0/281 (0%)	0/138 (0%)	0/131 (0%)
POLY-3 RATE (b)	0/239.15	0/108.60	0/103.07
POLY-3 PERCENT (g)	0%	0%	0%
TERMINAL (d)	0/173 (0%)	0/60 (0%)	0/58 (0%)
FIRST INCIDENCE	---	---	---
<b>STATISTICAL TESTS</b>			
POLY 3	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)  
 CAS Number: URETHCOMB

Date Report Requested: 10/24/2014  
 Time Report Requested: 03:41:01  
 First Dose M/F: NA / NA  
 Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
 LAST REMOVAL AT 110 WEEKS**

DOSE	FEMALE		
	0% ETH/ 0PPM URE	2.5%ETH/90PPMURE	5.0%ETH/90PPMURE
<b>Stomach: Glandular Mineralization</b>			
<b>LESION RATES</b>			
OVERALL(a)	2/281 (1%)	1/138 (1%)	3/131 (2%)
POLY-3 RATE (b)	2/239.43	1/108.60	3/104.46
POLY-3 PERCENT (g)	0.8%	0.9%	2.9%
TERMINAL (d)	1/173 (1%)	1/60 (2%)	1/58 (2%)
FIRST INCIDENCE	686	765(T)	459
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.128	P=0.704	P=0.171
POLY 1.5	P=0.135	P=0.715	P=0.179
POLY 6	P=0.119	P=0.688	P=0.161
COCH-ARM / FISHERS	P=0.143	P=0.699	P=0.186
MAX-ISO-POLY-3	P=0.142	P=0.474	P=0.115
HISTCONT SAME RTE			
HISTCONT ALL RTEs			
CURR VS HC SAME RTE			
CURR VS HC ALL RTEs			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/24/2014

Time Report Requested: 03:41:01

First Dose M/F: NA / NA

Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
 LAST REMOVAL AT 110 WEEKS**

DOSE	FEMALE		
	0% ETH/ 0PPM URE	2.5%ETH/90PPMURE	5.0%ETH/90PPMURE
<b>Thymus</b>			
<b>Atrophy</b>			
<b>LESION RATES</b>			
OVERALL(a)	31/227 (14%)	30/110 (27%)	32/120 (27%)
POLY-3 RATE (b)	31/197.88	30/96.06	32/101.18
POLY-3 PERCENT (g)	15.7%	31.2%	31.6%
TERMINAL (d)	9/135 (7%)	2/46 (4%)	3/50 (6%)
FIRST INCIDENCE	521	593	553
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.000**	P<0.001**	P<0.001**
POLY 1.5	P<0.001**	P=0.002**	P<0.001**
POLY 6	P=0.000**	P<0.001**	P<0.001**
COCH-ARM / FISHERS	P<0.001**	P=0.002**	P=0.003**
MAX-ISO-POLY-3	P=0.000**	P=0.003**	P=0.003**
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/24/2014

Time Report Requested: 03:41:01

First Dose M/F: NA / NA

Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
 LAST REMOVAL AT 110 WEEKS**

DOSE	FEMALE		
	0% ETH/ 0PPM URE	2.5%ETH/90PPMURE	5.0%ETH/90PPMURE
Thymus			
Autolysis			
<b>LESION RATES</b>			
OVERALL(a)	6/227 (3%)	4/110 (4%)	4/120 (3%)
POLY-3 RATE (b)	6/194.69	4/89.60	4/94.95
POLY-3 PERCENT (g)	3.1%	4.5%	4.2%
TERMINAL (d)	0/135 (0%)	0/46 (0%)	0/50 (0%)
FIRST INCIDENCE	522	353	347
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.350	P=0.406	P=0.440
POLY 1.5	P=0.374	P=0.423	P=0.462
POLY 6	P=0.315	P=0.376	P=0.408
COCH-ARM / FISHERS	P=0.401	P=0.422	P=0.475
MAX-ISO-POLY-3	P=0.453	P=0.311	P=0.339
HISTCONT SAME RTE			
HISTCONT ALL RTEs			
CURR VS HC SAME RTE			
CURR VS HC ALL RTEs			

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Test Compound: Urethane + ethanol (combination)  
 CAS Number: URETHCOMB

Date Report Requested: 10/24/2014  
 Time Report Requested: 03:41:01  
 First Dose M/F: NA / NA  
 Lab: NCTR

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
 LAST REMOVAL AT 110 WEEKS

DOSE	FEMALE		
	0% ETH/ 0PPM URE	2.5%ETH/90PPMURE	5.0%ETH/90PPMURE
Thymus			
Cyst			
<b>LESION RATES</b>			
OVERALL(a)	0/227 (0%)	0/110 (0%)	1/120 (1%)
POLY-3 RATE (b)	0/191.87	0/87.52	1/92.49
POLY-3 PERCENT (g)	0%	0%	1.1%
TERMINAL (d)	0/135 (0%)	0/46 (0%)	0/50 (0%)
FIRST INCIDENCE	---	---	664
<b>STATISTICAL TESTS</b>			
POLY 3	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/24/2014

Time Report Requested: 03:41:01

First Dose M/F: NA / NA

Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
LAST REMOVAL AT 110 WEEKS**

DOSE	FEMALE		
	0% ETH/ 0PPM URE	2.5%ETH/90PPMURE	5.0%ETH/90PPMURE
Thymus Hyperplasia			
<b>LESION RATES</b>			
OVERALL(a)	18/227 (8%)	11/110 (10%)	7/120 (6%)
POLY-3 RATE (b)	18/192.26	11/87.91	7/92.93
POLY-3 PERCENT (g)	9.4%	12.5%	7.5%
TERMINAL (d)	17/135 (13%)	10/46 (22%)	6/50 (12%)
FIRST INCIDENCE	649	648	459
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.434N	P=0.278	P=0.388N
POLY 1.5	P=0.388N	P=0.308	P=0.352N
POLY 6	P=0.507N	P=0.232	P=0.443N
COCH-ARM / FISHERS	P=0.334N	P=0.329	P=0.314N
MAX-ISO-POLY-3	P=0.366N	P=0.250	P=0.334N
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/24/2014

Time Report Requested: 03:41:01

First Dose M/F: NA / NA

Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
LAST REMOVAL AT 110 WEEKS**

DOSE	FEMALE		
	0% ETH/ 0PPM URE	2.5%ETH/90PPMURE	5.0%ETH/90PPMURE
Thyroid Gland			
Autolysis			
<b>LESION RATES</b>			
OVERALL(a)	4/277 (1%)	1/138 (1%)	2/139 (1%)
POLY-3 RATE (b)	4/236.48	1/109.20	2/109.61
POLY-3 PERCENT (g)	1.7%	0.9%	1.8%
TERMINAL (d)	0/169 (0%)	0/60 (0%)	0/60 (0%)
FIRST INCIDENCE	618	690	675
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.581N	P=0.470N	P=0.636
POLY 1.5	P=0.565N	P=0.454N	P=0.650
POLY 6	P=0.583	P=0.494N	P=0.616
COCH-ARM / FISHERS	P=0.544N	P=0.462N	P=0.652
MAX-ISO-POLY-3	P=0.562	P=0.320N	P=0.471
HISTCONT SAME RTE			
HISTCONT ALL RTEs			
CURR VS HC SAME RTE			
CURR VS HC ALL RTEs			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/24/2014

Time Report Requested: 03:41:01

First Dose M/F: NA / NA

Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
 LAST REMOVAL AT 110 WEEKS**

DOSE	FEMALE		
	0% ETH/ 0PPM URE	2.5%ETH/90PPMURE	5.0%ETH/90PPMURE
<b>Thyroid Gland</b>			
<b>Crystals</b>			
<b>LESION RATES</b>			
OVERALL(a)	0/277 (0%)	0/138 (0%)	0/139 (0%)
POLY-3 RATE (b)	0/234.96	0/108.93	0/109.02
POLY-3 PERCENT (g)	0%	0%	0%
TERMINAL (d)	0/169 (0%)	0/60 (0%)	0/60 (0%)
FIRST INCIDENCE	---	---	---
<b>STATISTICAL TESTS</b>			
POLY 3	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/24/2014

Time Report Requested: 03:41:01

First Dose M/F: NA / NA

Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
 LAST REMOVAL AT 110 WEEKS**

DOSE	FEMALE		
	0% ETH/ 0PPM URE	2.5%ETH/90PPMURE	5.0%ETH/90PPMURE
<b>Thyroid Gland</b>			
<b>Cyst Multilocular</b>			
<b>LESION RATES</b>			
OVERALL(a)	5/277 (2%)	2/138 (1%)	1/139 (1%)
POLY-3 RATE (b)	5/234.96	2/108.93	1/109.07
POLY-3 PERCENT (g)	2.1%	1.8%	0.9%
TERMINAL (d)	5/169 (3%)	2/60 (3%)	0/60 (0%)
FIRST INCIDENCE	765(T)	765(T)	752
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.295N	P=0.590N	P=0.363N
POLY 1.5	P=0.279N	P=0.573N	P=0.349N
POLY 6	P=0.319N	P=0.617N	P=0.384N
COCH-ARM / FISHERS	P=0.259N	P=0.573N	P=0.348N
MAX-ISO-POLY-3	P=0.353N	P=0.441N	P=0.253N
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			



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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/24/2014

Time Report Requested: 03:41:01

First Dose M/F: NA / NA

Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
LAST REMOVAL AT 110 WEEKS**

DOSE	FEMALE		
	0% ETH/ 0PPM URE	2.5%ETH/90PPMURE	5.0%ETH/90PPMURE
<b>Thyroid Gland</b>			
<b>Infiltration Cellular Lymphocytic</b>			
<b>LESION RATES</b>			
OVERALL(a)	4/277 (1%)	4/138 (3%)	2/139 (1%)
POLY-3 RATE (b)	4/235.27	4/108.94	2/109.02
POLY-3 PERCENT (g)	1.7%	3.7%	1.8%
TERMINAL (d)	3/169 (2%)	3/60 (5%)	2/60 (3%)
FIRST INCIDENCE	676	762	765(T)
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.451	P=0.231	P=0.636
POLY 1.5	P=0.473	P=0.246	P=0.651
POLY 6	P=0.419	P=0.209	P=0.615
COCH-ARM / FISHERS	P=0.501	P=0.255	P=0.652
MAX-ISO-POLY-3	P=0.420	P=0.174	P=0.471
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/24/2014

Time Report Requested: 03:41:01

First Dose M/F: NA / NA

Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
 LAST REMOVAL AT 110 WEEKS**

DOSE	FEMALE		
	0% ETH/ 0PPM URE	2.5%ETH/90PPMURE	5.0%ETH/90PPMURE
<b>Thyroid Gland</b>			
<b>Inflammation Chronic</b>			
<b>LESION RATES</b>			
OVERALL(a)	0/277 (0%)	0/138 (0%)	0/139 (0%)
POLY-3 RATE (b)	0/234.96	0/108.93	0/109.02
POLY-3 PERCENT (g)	0%	0%	0%
TERMINAL (d)	0/169 (0%)	0/60 (0%)	0/60 (0%)
FIRST INCIDENCE	---	---	---
<b>STATISTICAL TESTS</b>			
POLY 3	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/24/2014

Time Report Requested: 03:41:01

First Dose M/F: NA / NA

Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
LAST REMOVAL AT 110 WEEKS**

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DOSE	FEMALE		
	0% ETH/ 0PPM URE	2.5%ETH/90PPMURE	5.0%ETH/90PPMURE
<hr/>			
Thyroid Gland			
Ultimobranchial Cyst			
<hr/>			
<b>LESION RATES</b>			
OVERALL(a)	0/277 (0%)	0/138 (0%)	0/139 (0%)
POLY-3 RATE (b)	0/234.96	0/108.93	0/109.02
POLY-3 PERCENT (g)	0%	0%	0%
TERMINAL (d)	0/169 (0%)	0/60 (0%)	0/60 (0%)
FIRST INCIDENCE	---	---	---
<hr/>			
<b>STATISTICAL TESTS</b>			
POLY 3	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/24/2014

Time Report Requested: 03:41:01

First Dose M/F: NA / NA

Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
LAST REMOVAL AT 110 WEEKS**

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	FEMALE		
DOSE	0% ETH/ 0PPM URE	2.5%ETH/90PPMURE	5.0%ETH/90PPMURE
<hr/>			
Thyroid Gland: C Cell			
Hyperplasia			
<hr/>			
LESION RATES			
OVERALL(a)	3/277 (1%)	1/138 (1%)	1/139 (1%)
POLY-3 RATE (b)	3/234.96	1/108.93	1/109.02
POLY-3 PERCENT (g)	1.3%	0.9%	0.9%
TERMINAL (d)	3/169 (2%)	1/60 (2%)	1/60 (2%)
FIRST INCIDENCE	765(T)	765(T)	765(T)
<hr/>			
STATISTICAL TESTS			
POLY 3	P=0.478N	P=0.598N	P=0.598N
POLY 1.5	P=0.464N	P=0.585N	P=0.586N
POLY 6	P=0.500N	P=0.618N	P=0.615N
COCH-ARM / FISHERS	P=0.445N	P=0.594N	P=0.591N
MAX-ISO-POLY-3	P=0.549N	P=0.405N	P=0.405N
HISTCONT SAME RTE			
HISTCONT ALL RTEs			
CURR VS HC SAME RTE			
CURR VS HC ALL RTEs			

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
Test Compound: Urethane + ethanol (combination)  
CAS Number: URETHCOMB

Date Report Requested: 10/24/2014  
Time Report Requested: 03:41:01  
First Dose M/F: NA / NA  
Lab: NCTR

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
LAST REMOVAL AT 110 WEEKS

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FEMALE			
DOSE	0% ETH/ 0PPM URE	2.5%ETH/90PPMURE	5.0%ETH/90PPMURE
<b>Thyroid Gland: Follicle Cyst</b>			
<b>LESION RATES</b>			
OVERALL(a)	0/277 (0%)	0/138 (0%)	0/139 (0%)
POLY-3 RATE (b)	0/234.96	0/108.93	0/109.02
POLY-3 PERCENT (g)	0%	0%	0%
TERMINAL (d)	0/169 (0%)	0/60 (0%)	0/60 (0%)
FIRST INCIDENCE	---	---	---
<b>STATISTICAL TESTS</b>			
POLY 3	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/24/2014

Time Report Requested: 03:41:01

First Dose M/F: NA / NA

Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
LAST REMOVAL AT 110 WEEKS**

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	FEMALE		
DOSE	0% ETH/ 0PPM URE	2.5%ETH/90PPMURE	5.0%ETH/90PPMURE
<hr/>			
Thyroid Gland: Follicular Cel			
Hyperplasia			
<hr/>			
LESION RATES			
OVERALL(a)	3/277 (1%)	0/138 (0%)	0/139 (0%)
POLY-3 RATE (b)	3/235.04	0/108.93	0/109.02
POLY-3 PERCENT (g)	1.3%	0%	0%
TERMINAL (d)	2/169 (1%)	0/60 (0%)	0/60 (0%)
FIRST INCIDENCE	744	---	---
<hr/>			
STATISTICAL TESTS			
POLY 3	P=0.122N	P=0.290N	P=0.290N
POLY 1.5	P=0.117N	P=0.280N	P=0.281N
POLY 6	P=0.131N	P=0.306N	P=0.304N
COCH-ARM / FISHERS	P=0.111N	P=0.296N	P=0.294N
MAX-ISO-POLY-3	P=0.170N	P=0.162N	P=0.162N
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/24/2014

Time Report Requested: 03:41:01

First Dose M/F: NA / NA

Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
LAST REMOVAL AT 110 WEEKS**

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<b>FEMALE</b>			
<b>DOSE</b>	<b>0% ETH/ 0PPM URE</b>	<b>2.5%ETH/90PPMURE</b>	<b>5.0%ETH/90PPMURE</b>
<hr/>			
<b>Tongue</b>			
<b>Foreign Body</b>			
<hr/>			
<b>LESION RATES</b>			
<b>OVERALL(a)</b>	0/284 (0%)	0/143 (0%)	0/142 (0%)
<b>POLY-3 RATE (b)</b>	0/240.57	0/111.65	0/111.51
<b>POLY-3 PERCENT (g)</b>	0%	0%	0%
<b>TERMINAL (d)</b>	0/173 (0%)	0/60 (0%)	0/63 (0%)
<b>FIRST INCIDENCE</b>	---	---	---
<hr/>			
<b>STATISTICAL TESTS</b>			
<b>POLY 3</b>	(n)	(n)	(n)
<b>POLY 1.5</b>	(n)	(n)	(n)
<b>POLY 6</b>	(n)	(n)	(n)
<b>COCH-ARM / FISHERS</b>	(n)	(n)	(n)
<b>MAX-ISO-POLY-3</b>	(n)	(n)	(n)
<b>HISTCONT SAME RTE</b>			
<b>HISTCONT ALL RTES</b>			
<b>CURR VS HC SAME RTE</b>			
<b>CURR VS HC ALL RTES</b>			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 Test Compound: Urethane + ethanol (combination)  
 CAS Number: URETHCOMB

Date Report Requested: 10/24/2014  
 Time Report Requested: 03:41:01  
 First Dose M/F: NA / NA  
 Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
 LAST REMOVAL AT 110 WEEKS**

DOSE	FEMALE		
	0% ETH/ 0PPM URE	2.5%ETH/90PPMURE	5.0%ETH/90PPMURE
<b>Tongue</b>			
<b>Inflammation Chronic</b>			
<b>LESION RATES</b>			
OVERALL(a)	0/284 (0%)	0/143 (0%)	0/142 (0%)
POLY-3 RATE (b)	0/240.57	0/111.65	0/111.51
POLY-3 PERCENT (g)	0%	0%	0%
TERMINAL (d)	0/173 (0%)	0/60 (0%)	0/63 (0%)
FIRST INCIDENCE	---	---	---
<b>STATISTICAL TESTS</b>			
POLY 3	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			



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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/24/2014

Time Report Requested: 03:41:01

First Dose M/F: NA / NA

Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
LAST REMOVAL AT 110 WEEKS**

DOSE	FEMALE		
	0% ETH/ 0PPM URE	2.5%ETH/90PPMURE	5.0%ETH/90PPMURE
Trachea			
Autolysis			
<b>LESION RATES</b>			
OVERALL(a)	2/282 (1%)	1/140 (1%)	1/140 (1%)
POLY-3 RATE (b)	2/240.65	1/110.03	1/110.65
POLY-3 PERCENT (g)	0.8%	0.9%	0.9%
TERMINAL (d)	0/173 (0%)	0/60 (0%)	0/62 (0%)
FIRST INCIDENCE	584	690	686
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.592	P=0.706	P=0.708
POLY 1.5	P=0.603	P=0.717	P=0.716
POLY 6	P=0.575	P=0.689	P=0.695
COCH-ARM / FISHERS	P=0.616	P=0.703	P=0.703
MAX-ISO-POLY-3	P=0.640	P=0.476	P=0.477
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/24/2014

Time Report Requested: 03:41:01

First Dose M/F: NA / NA

Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
LAST REMOVAL AT 110 WEEKS**

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	FEMALE		
DOSE	0% ETH/ 0PPM URE	2.5%ETH/90PPMURE	5.0%ETH/90PPMURE
<hr/>			
Urethra: Bulboureth GI			
Inflammation Acute			
<hr/>			
<b>LESION RATES</b>			
OVERALL(a)	0/0 (0%)	0/0 (0%)	0/0 (0%)
POLY-3 RATE (b)	0/0.00	0/0.00	0/0.00
POLY-3 PERCENT (g)	0%	0%	0%
TERMINAL (d)	0/0 (0%)	0/0 (0%)	0/0 (0%)
FIRST INCIDENCE	---	---	---
<hr/>			
<b>STATISTICAL TESTS</b>			
POLY 3	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)  
 CAS Number: URETHCOMB

Date Report Requested: 10/24/2014  
 Time Report Requested: 03:41:01  
 First Dose M/F: NA / NA  
 Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
 LAST REMOVAL AT 110 WEEKS**

DOSE	FEMALE		
	0% ETH/ 0PPM URE	2.5%ETH/90PPMURE	5.0%ETH/90PPMURE
<b>Urinary Bladder</b>			
<b>Autolysis</b>			
<b>LESION RATES</b>			
OVERALL(a)	9/271 (3%)	4/135 (3%)	7/138 (5%)
POLY-3 RATE (b)	9/235.34	4/108.21	7/113.15
POLY-3 PERCENT (g)	3.8%	3.7%	6.2%
TERMINAL (d)	0/168 (0%)	0/59 (0%)	0/62 (0%)
FIRST INCIDENCE	424	360	347
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.218	P=0.596N	P=0.240
POLY 1.5	P=0.235	P=0.570N	P=0.255
POLY 6	P=0.194	P=0.602	P=0.218
COCH-ARM / FISHERS	P=0.256	P=0.555N	P=0.271
MAX-ISO-POLY-3	P=0.267	P=0.481N	P=0.203
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/24/2014

Time Report Requested: 03:41:01

First Dose M/F: NA / NA

Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
 LAST REMOVAL AT 110 WEEKS**

DOSE	FEMALE		
	0% ETH/ 0PPM URE	2.5%ETH/90PPMURE	5.0%ETH/90PPMURE
<b>Urinary Bladder</b>			
<b>Dilatation</b>			
<b>LESION RATES</b>			
OVERALL(a)	0/271 (0%)	0/135 (0%)	0/138 (0%)
POLY-3 RATE (b)	0/231.17	0/106.22	0/108.97
POLY-3 PERCENT (g)	0%	0%	0%
TERMINAL (d)	0/168 (0%)	0/59 (0%)	0/62 (0%)
FIRST INCIDENCE	---	---	---
<b>STATISTICAL TESTS</b>			
POLY 3	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/24/2014

Time Report Requested: 03:41:01

First Dose M/F: NA / NA

Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
LAST REMOVAL AT 110 WEEKS**

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DOSE	FEMALE		
	0% ETH/ 0PPM URE	2.5%ETH/90PPMURE	5.0%ETH/90PPMURE
<hr/>			
Urinary Bladder			
Edema			
<hr/>			
<b>LESION RATES</b>			
OVERALL(a)	0/271 (0%)	0/135 (0%)	0/138 (0%)
POLY-3 RATE (b)	0/231.17	0/106.22	0/108.97
POLY-3 PERCENT (g)	0%	0%	0%
TERMINAL (d)	0/168 (0%)	0/59 (0%)	0/62 (0%)
FIRST INCIDENCE	---	---	---
<hr/>			
<b>STATISTICAL TESTS</b>			
POLY 3	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/24/2014

Time Report Requested: 03:41:01

First Dose M/F: NA / NA

Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
LAST REMOVAL AT 110 WEEKS**

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	FEMALE		
DOSE	0% ETH/ 0PPM URE	2.5%ETH/90PPMURE	5.0%ETH/90PPMURE
<hr/>			
Urinary Bladder			
Infiltration Cellular Lymphocytic			
<hr/>			
LESION RATES			
OVERALL(a)	143/271 (53%)	67/135 (50%)	62/138 (45%)
POLY-3 RATE (b)	143/239.98	67/114.82	62/115.07
POLY-3 PERCENT (g)	59.6%	58.4%	53.9%
TERMINAL (d)	108/168 (64%)	41/59 (69%)	40/62 (65%)
FIRST INCIDENCE	523	529	459
<hr/>			
STATISTICAL TESTS			
POLY 3	P=0.169N	P=0.456N	P=0.175N
POLY 1.5	P=0.118N	P=0.380N	P=0.127N
POLY 6	P=0.273N	P=0.533	P=0.270N
COCH-ARM / FISHERS	P=0.075N	P=0.312N	P=0.081N
MAX-ISO-POLY-3	P=0.237N	P=0.422N	P=0.186N
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/24/2014

Time Report Requested: 03:41:01

First Dose M/F: NA / NA

Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
 LAST REMOVAL AT 110 WEEKS**

DOSE	FEMALE		
	0% ETH/ 0PPM URE	2.5%ETH/90PPMURE	5.0%ETH/90PPMURE
<b>Urinary Bladder</b>			
<b>Inflammation Acute</b>			
<b>LESION RATES</b>			
OVERALL(a)	0/271 (0%)	0/135 (0%)	0/138 (0%)
POLY-3 RATE (b)	0/231.17	0/106.22	0/108.97
POLY-3 PERCENT (g)	0%	0%	0%
TERMINAL (d)	0/168 (0%)	0/59 (0%)	0/62 (0%)
FIRST INCIDENCE	---	---	---
<b>STATISTICAL TESTS</b>			
POLY 3	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)  
 CAS Number: URETHCOMB

Date Report Requested: 10/24/2014  
 Time Report Requested: 03:41:01  
 First Dose M/F: NA / NA  
 Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
 LAST REMOVAL AT 110 WEEKS**

DOSE	FEMALE		
	0% ETH/ 0PPM URE	2.5%ETH/90PPMURE	5.0%ETH/90PPMURE
<b>Urinary Bladder</b>			
<b>Inflammation Chronic</b>			
<b>LESION RATES</b>			
OVERALL(a)	0/271 (0%)	0/135 (0%)	0/138 (0%)
POLY-3 RATE (b)	0/231.17	0/106.22	0/108.97
POLY-3 PERCENT (g)	0%	0%	0%
TERMINAL (d)	0/168 (0%)	0/59 (0%)	0/62 (0%)
FIRST INCIDENCE	---	---	---
<b>STATISTICAL TESTS</b>			
POLY 3	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			



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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/24/2014

Time Report Requested: 03:41:01

First Dose M/F: NA / NA

Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
LAST REMOVAL AT 110 WEEKS**

DOSE	FEMALE		
	0% ETH/ 0PPM URE	2.5%ETH/90PPMURE	5.0%ETH/90PPMURE
Urinary Bladder Ulcer			
<b>LESION RATES</b>			
OVERALL(a)	0/271 (0%)	0/135 (0%)	1/138 (1%)
POLY-3 RATE (b)	0/231.17	0/106.22	1/109.41
POLY-3 PERCENT (g)	0%	0%	0.9%
TERMINAL (d)	0/168 (0%)	0/59 (0%)	0/62 (0%)
FIRST INCIDENCE	---	---	629
<b>STATISTICAL TESTS</b>			
POLY 3	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Test Compound: Urethane + ethanol (combination)  
 CAS Number: URETHCOMB

Date Report Requested: 10/24/2014  
 Time Report Requested: 03:41:01  
 First Dose M/F: NA / NA  
 Lab: NCTR

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
 LAST REMOVAL AT 110 WEEKS

DOSE	FEMALE		
	0% ETH/ 0PPM URE	2.5%ETH/90PPMURE	5.0%ETH/90PPMURE
Uterus			
Angiectasis			
<b>LESION RATES</b>			
OVERALL(a)	22/284 (8%)	18/143 (13%)	16/140 (11%)
POLY-3 RATE (b)	22/243.73	18/116.31	16/113.20
POLY-3 PERCENT (g)	9%	15.5%	14.1%
TERMINAL (d)	12/173 (7%)	4/60 (7%)	9/62 (15%)
FIRST INCIDENCE	578	516	459
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.059	P=0.051	P=0.103
POLY 1.5	P=0.073	P=0.061	P=0.118
POLY 6	P=0.043*	P=0.038*	P=0.083
COCH-ARM / FISHERS	P=0.094	P=0.076	P=0.143
MAX-ISO-POLY-3	P=0.080	P=0.061	P=0.110
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/24/2014

Time Report Requested: 03:41:01

First Dose M/F: NA / NA

Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
LAST REMOVAL AT 110 WEEKS**

DOSE	FEMALE		
	0% ETH/ 0PPM URE	2.5%ETH/90PPMURE	5.0%ETH/90PPMURE
<b>Uterus</b>			
<b>Dilatation</b>			
<b>LESION RATES</b>			
OVERALL(a)	2/284 (1%)	0/143 (0%)	0/140 (0%)
POLY-3 RATE (b)	2/240.95	0/111.65	0/110.34
POLY-3 PERCENT (g)	0.8%	0%	0%
TERMINAL (d)	2/173 (1%)	0/60 (0%)	0/62 (0%)
FIRST INCIDENCE	765(T)	---	---
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.212N	P=0.421N	P=0.423N
POLY 1.5	P=0.206N	P=0.410N	P=0.416N
POLY 6	P=0.222N	P=0.437N	P=0.435N
COCH-ARM / FISHERS	P=0.198N	P=0.442N	P=0.448N
MAX-ISO-POLY-3	P=0.248N	P=0.211N	P=0.212N
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/24/2014

Time Report Requested: 03:41:01

First Dose M/F: NA / NA

Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
LAST REMOVAL AT 110 WEEKS**

DOSE	FEMALE		
	0% ETH/ 0PPM URE	2.5%ETH/90PPMURE	5.0%ETH/90PPMURE
Uterus			
Hemorrhage			
<b>LESION RATES</b>			
OVERALL(a)	3/284 (1%)	4/143 (3%)	2/140 (1%)
POLY-3 RATE (b)	3/242.42	4/112.72	2/110.47
POLY-3 PERCENT (g)	1.2%	3.5%	1.8%
TERMINAL (d)	0/173 (0%)	2/60 (3%)	1/62 (2%)
FIRST INCIDENCE	489	593	730
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.330	P=0.151	P=0.525
POLY 1.5	P=0.348	P=0.162	P=0.538
POLY 6	P=0.303	P=0.134	P=0.506
COCH-ARM / FISHERS	P=0.375	P=0.174	P=0.534
MAX-ISO-POLY-3	P=0.309	P=0.113	P=0.363
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/24/2014

Time Report Requested: 03:41:01

First Dose M/F: NA / NA

Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
LAST REMOVAL AT 110 WEEKS**

DOSE	FEMALE		
	0% ETH/ 0PPM URE	2.5%ETH/90PPMURE	5.0%ETH/90PPMURE
<b>Uterus</b>			
<b>Inflammation</b>			
<b>LESION RATES</b>			
OVERALL(a)	3/284 (1%)	2/143 (1%)	0/140 (0%)
POLY-3 RATE (b)	3/242.01	2/112.40	0/110.34
POLY-3 PERCENT (g)	1.2%	1.8%	0%
TERMINAL (d)	1/173 (1%)	0/60 (0%)	0/62 (0%)
FIRST INCIDENCE	438	648	---
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.285N	P=0.533	P=0.294N
POLY 1.5	P=0.271N	P=0.549	P=0.285N
POLY 6	P=0.305N	P=0.508	P=0.307N
COCH-ARM / FISHERS	P=0.252N	P=0.543	P=0.299N
MAX-ISO-POLY-3	P=0.223N	P=0.369	P=0.165N
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/24/2014

Time Report Requested: 03:41:01

First Dose M/F: NA / NA

Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
LAST REMOVAL AT 110 WEEKS**

DOSE	FEMALE		
	0% ETH/ 0PPM URE	2.5%ETH/90PPMURE	5.0%ETH/90PPMURE
Uterus			
Thrombosis			
<b>LESION RATES</b>			
OVERALL(a)	10/284 (4%)	11/143 (8%)	8/140 (6%)
POLY-3 RATE (b)	10/242.87	11/114.46	8/112.27
POLY-3 PERCENT (g)	4.1%	9.6%	7.1%
TERMINAL (d)	3/173 (2%)	2/60 (3%)	3/62 (5%)
FIRST INCIDENCE	578	593	559
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.095	P=0.035*	P=0.176
POLY 1.5	P=0.109	P=0.042*	P=0.190
POLY 6	P=0.077	P=0.027*	P=0.156
COCH-ARM / FISHERS	P=0.131	P=0.053	P=0.210
MAX-ISO-POLY-3	P=0.130	P=0.042*	P=0.158
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)  
 CAS Number: URETHCOMB

Date Report Requested: 10/24/2014  
 Time Report Requested: 03:41:01  
 First Dose M/F: NA / NA  
 Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
 LAST REMOVAL AT 110 WEEKS**

DOSE	FEMALE		
	0% ETH/ 0PPM URE	2.5%ETH/90PPMURE	5.0%ETH/90PPMURE
<b>Uterus: Endometrium</b>			
<b>Hyperplasia Cystic</b>			
<b>LESION RATES</b>			
OVERALL(a)	224/284 (79%)	111/143 (78%)	104/140 (74%)
POLY-3 RATE (b)	224/261.49	111/133.17	104/127.85
POLY-3 PERCENT (g)	85.7%	83.4%	81.3%
TERMINAL (d)	161/173 (93%)	56/60 (93%)	57/62 (92%)
FIRST INCIDENCE	391	306	229
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.125N	P=0.306N	P=0.148N
POLY 1.5	P=0.126N	P=0.310N	P=0.146N
POLY 6	P=0.150N	P=0.367N	P=0.175N
COCH-ARM / FISHERS	P=0.165N	P=0.429N	P=0.174N
MAX-ISO-POLY-3	P=0.174N	P=0.279N	P=0.150N
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
**Test Compound:** Urethane + ethanol (combination)  
**CAS Number:** URETHCOMB

**Date Report Requested:** 10/24/2014  
**Time Report Requested:** 03:41:01  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)**  
**LAST REMOVAL AT 110 WEEKS**

DOSE	FEMALE		
	0% ETH/ 0PPM URE	2.5%ETH/90PPMURE	5.0%ETH/90PPMURE
Vagina			
Exudate			
<b>LESION RATES</b>			
OVERALL(a)	4/279 (1%)	3/141 (2%)	2/138 (1%)
POLY-3 RATE (b)	4/238.29	3/110.18	2/109.41
POLY-3 PERCENT (g)	1.7%	2.7%	1.8%
TERMINAL (d)	4/173 (2%)	3/59 (5%)	2/62 (3%)
FIRST INCIDENCE	765(T)	765(T)	765(T)
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.493	P=0.409	P=0.633
POLY 1.5	P=0.512	P=0.429	P=0.646
POLY 6	P=0.465	P=0.377	P=0.613
COCH-ARM / FISHERS	P=0.537	P=0.435	P=0.646
MAX-ISO-POLY-3	P=0.517	P=0.296	P=0.467
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			



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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)  
 CAS Number: URETHCOMB

Date Report Requested: 10/24/2014  
 Time Report Requested: 03:41:01  
 First Dose M/F: NA / NA  
 Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
 LAST REMOVAL AT 110 WEEKS**

DOSE	FEMALE		
	0% ETH/ 0PPM URE	2.5%ETH/90PPMURE	5.0%ETH/90PPMURE
<b>Vagina</b>			
<b>Inflammation</b>			
<b>LESION RATES</b>			
OVERALL(a)	3/279 (1%)	1/141 (1%)	1/138 (1%)
POLY-3 RATE (b)	3/238.29	1/110.58	1/109.41
POLY-3 PERCENT (g)	1.3%	0.9%	0.9%
TERMINAL (d)	3/173 (2%)	0/59 (0%)	1/62 (2%)
FIRST INCIDENCE	765(T)	648	765(T)
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.481N	P=0.597N	P=0.602N
POLY 1.5	P=0.467N	P=0.582N	P=0.590N
POLY 6	P=0.502N	P=0.620N	P=0.618N
COCH-ARM / FISHERS	P=0.449N	P=0.588N	P=0.801
MAX-ISO-POLY-3	P=0.551N	P=0.405N	P=0.407N
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
Test Compound: Urethane + ethanol (combination)  
CAS Number: URETHCOMB

Date Report Requested: 10/24/2014  
Time Report Requested: 03:41:01  
First Dose M/F: NA / NA  
Lab: NCTR

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
LAST REMOVAL AT 110 WEEKS

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DOSE	FEMALE		
	0% ETH/ 0PPM URE	2.5%ETH/90PPMURE	5.0%ETH/90PPMURE
<b>Zymbal's Gland</b>			
<b>Dilatation</b>			
<b>LESION RATES</b>			
OVERALL(a)	0/275 (0%)	0/128 (0%)	0/129 (0%)
POLY-3 RATE (b)	0/234.07	0/99.59	0/101.64
POLY-3 PERCENT (g)	0%	0%	0%
TERMINAL (d)	0/167 (0%)	0/56 (0%)	0/60 (0%)
FIRST INCIDENCE	---	---	---
<b>STATISTICAL TESTS</b>			
POLY 3	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Urethane + ethanol (combination)

CAS Number: URETHCOMB

Date Report Requested: 10/24/2014

Time Report Requested: 03:41:01

First Dose M/F: NA / NA

Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1/NCTR)  
LAST REMOVAL AT 110 WEEKS**

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DOSE	FEMALE		
	0% ETH/ 0PPM URE	2.5%ETH/90PPMURE	5.0%ETH/90PPMURE
<b>Zymbal's Gland</b>			
<b>Hyperplasia</b>			
<b>LESION RATES</b>			
OVERALL(a)	1/275 (0%)	0/128 (0%)	0/129 (0%)
POLY-3 RATE (b)	1/234.07	0/99.59	0/101.64
POLY-3 PERCENT (g)	0.4%	0%	0%
TERMINAL (d)	1/167 (1%)	0/56 (0%)	0/60 (0%)
FIRST INCIDENCE	765(T)	---	---
<b>STATISTICAL TESTS</b>			
POLY 3	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

**Test Compound:** Urethane + ethanol (combination)  
**CAS Number:** URETHCOMB

**Date Report Requested:** 10/24/2014  
**Time Report Requested:** 03:41:01  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**LEGEND**

- (a) Number of tumor-bearing animals/number of animals examined at site.
  - (b) Number of tumor-bearing animals/Poly-3 number
  - (d) Observed incidence at terminal kill.
  - (e) Value of statistic cannot be computed.
  - (f) Beneath the control incidence are the P-values associated with the trend test. Beneath the dosed group incidence are the P-values corresponding to pairwise comparisons between the controls and that dosed group.
  - (g) Poly-3 adjusted lifetime tumor incidence.
  - (n) No statistics are calculated if all dose groups have fewer than two tumors.
  - (I) Interim sacrifice
  - (T) Terminal sacrifice
  - # Tumor rates based on numbers of animals necropsied.
  - \* To the right of any statistical result, indicates significance at ( $P \leq 0.05$ ).
  - \*\* To the right of any statistical result, indicates significance at ( $P \leq 0.01$ ).
  - N Indicates a negative trend for all tests
- The Cochran-Armitage and Fishers exact tests compare directly the overall incidence rates.

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