

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

**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**  
**Test Compound:** Urethane + ethanol (combination)  
**CAS Number:** URETHCOMB

**Date Report Requested:** 10/24/2014  
**Time Report Requested:** 03:41:05  
**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

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**FOR ALL DOSES THE TUMOR RATES IN THE FOLLOWING TISSUES/ORGANS ARE BASED ON NUMBER OF TISSUES  
IN OTHER TISSUES/ORGANS RATES ARE BASED ON THE NUMBER OF ANIMALS NECROPSIED.**

Adrenal Cortex  
Adrenal Medulla  
Bone Marrow  
Clitoral/Preputial Gland  
Epididymis  
Heart  
Islets, Pancreatic  
Kidney  
Liver  
Lung  
Ovary  
Pituitary Gland  
Spleen  
Thymus  
Thyroid Gland  
Urinary Bladder

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

**MALE MOUSE**

**Organ**

Adrenal Medulla

Clitoral/Preputial Gland

Epididymis

Harderian Gland

Liver

Lung

Oral Cavity (Oral Mucosa, Tongue, Pharynx, Tooth, Gingiva)

Skin

Stomach, Forestomach

Thymus

Tongue

All Organs

**Morphology**

Pheochromocytoma: Benign, Complex, Malignant, NOS

Hemangioma

Hemangiosarcoma

Hemangioma

Carcinoma or Adenoma

Adenoma

Hepatocellular Adenoma

Hemangioma

Alveolar/Bronchiolar Carcinoma or Alveolar/Bronchiolar Adenoma

Alveolar/Bronchiolar Adenoma

Alveolar/Bronchiolar Carcinoma

Squamous Cell Carcinoma, Papilloma Squamous, or Papilloma

Squamous Cell Carcinoma

Squamous Cell Papilloma, Papilloma, Squamous Cell Carcinoma or Keratoacanthoma

Squamous Cell Carcinoma

Squamous Cell Papilloma

Thymoma Benign

Squamous Cell Carcinoma

Hemangiosarcoma

Malignant and Benign Tumors

Histiocytic Sarcoma

Hemangiosarcoma or Hemangioma

Benign Tumors

Malignant Tumors

**FEMALE MOUSE**

**Organ**

Adrenal Cortex

Harderian Gland

**Morphology**

Adenoma

Carcinoma

Adenoma

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

Heart	Carcinoma or Adenoma
Islets, Pancreatic	Hemangiosarcoma
	Adenoma
Kidney: Renal Tubule	Carcinoma or Adenoma
	Hemangiosarcoma
Liver	Mast Cell Tumor Malignant
	Hepatocellular Carcinoma, Hepatocellular Adenoma, or Hepatoblastoma
	Hepatocellular Carcinoma or Hepatocellular Adenoma
	Hepatocellular Adenoma
Lung	Alveolar/Bronchiolar Carcinoma or Alveolar/Bronchiolar Adenoma
	Alveolar/Bronchiolar Carcinoma
	Alveolar/Bronchiolar Adenoma
Lymph Node	Mast Cell Tumor Malignant
Mammary Gland	Carcinoma or Adenoma
	Carcinoma
	Fibroma, Fibroadenoma, Carcinoma, or Adenoma
Mesentery	Hemangiosarcoma
Ovary	Granulosa Cell Tumor Benign
	Granulosa Cell Tumor: Benign, Malignant, NOS
	Hemangiosarcoma
Pituitary Gland: Pars Distalis or Unspecified Site	Adenoma
	Carcinoma or Adenoma
Skeletal Muscle	Sarcoma
Skin	Fibroma, Fibrosarcoma, Sarcoma, Myxoma, Myxosarcoma, or Fibrous Histiocytoma
	Fibrosarcoma, Sarcoma, Myxosarcoma, or Fibrous Histiocytoma
	Sarcoma
Uterus	Hemangiosarcoma
All Organs	Malignant and Benign Tumors
	Hemangioma
	Hemangiosarcoma
	Malignant Tumors

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**Lab:** NCTR

**SUMMARY OF STATISTICALLY SIGNIFICANT ( $P \leq .05$ ) RESULTS IN THE ANALYSIS OF URETHANE + ETHANOL**

Benign Tumors  
Hemangiosarcoma or Hemangioma

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

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MOUSE(B6C3F1/NCTR)  
LAST REMOVAL AT 110 WEEKS

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DOSE	MALE		
	0% ETH/ 0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/10PPMURE
<b>Adrenal Cortex</b>			
<b>Adenoma</b>			
<b>TUMOR RATES</b>			
OVERALL(a)	11/268 (4%)	2/137 (1%)	4/139 (3%)
POLY-3 RATE (b)	11/215.47	2/108.06	4/106.97
POLY-3 PERCENT (g)	5.1%	1.9%	3.7%
TERMINAL (d)	10/150 (7%)	2/69 (3%)	3/66 (5%)
FIRST INCIDENCE	665	764(T)	763
HC TUMORS SAME ROUTE	0/0(0%)		
HC TUMORS ALL ROUTES	0/0(0%)		
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.251N	P=0.135N	P=0.395N
POLY 1.5	P=0.244N	P=0.133N	P=0.383N
POLY 6	P=0.263N	P=0.140N	P=0.412N
COCH-ARM / FISHERS	P=0.232N	P=0.127N	P=0.375N
MAX-ISO-POLY-3	P=0.273N	P=0.113N	P=0.320N
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 PRIMARY TUMORS IN MOUSE(B6C3F1/NCTR)  
LAST REMOVAL AT 110 WEEKS

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DOSE	MALE		
	0% ETH/ 0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/10PPMURE
<b>Adrenal Medulla</b>			
<b>Pheochromocytoma Benign</b>			
<b>TUMOR RATES</b>			
OVERALL(a)	12/262 (5%)	8/133 (6%)	11/137 (8%)
POLY-3 RATE (b)	12/213.17	8/104.91	11/106.00
POLY-3 PERCENT (g)	5.6%	7.6%	10.4%
TERMINAL (d)	4/146 (3%)	5/65 (8%)	7/64 (11%)
FIRST INCIDENCE	432	524	507
HC TUMORS SAME ROUTE	0/0(0%)		
HC TUMORS ALL ROUTES	0/0(0%)		
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.078	P=0.329	P=0.095
POLY 1.5	P=0.086	P=0.339	P=0.104
POLY 6	P=0.068	P=0.312	P=0.084
COCH-ARM / FISHERS	P=0.100	P=0.348	P=0.121
MAX-ISO-POLY-3	P=0.106	P=0.278	P=0.094
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 PRIMARY TUMORS IN MOUSE(B6C3F1/NCTR)  
 LAST REMOVAL AT 110 WEEKS**

DOSE	MALE		
	0% ETH/ 0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/10PPMURE
<b>Adrenal Medulla</b>			
<b>Pheochromocytoma: Benign, Complex, Malignant, NOS</b>			
<b>TUMOR RATES</b>			
OVERALL(a)	12/262 (5%)	8/133 (6%)	12/137 (9%)
POLY-3 RATE (b)	12/213.17	8/104.91	12/106.26
POLY-3 PERCENT (g)	5.6%	7.6%	11.3%
TERMINAL (d)	4/146 (3%)	5/65 (8%)	7/64 (11%)
FIRST INCIDENCE	432	524	507
HC TUMORS SAME ROUTE	0/0(0%)		
HC TUMORS ALL ROUTES	0/0(0%)		
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.048*	P=0.329	P=0.057
POLY 1.5	P=0.053	P=0.339	P=0.063
POLY 6	P=0.041*	P=0.312	P=0.050*
COCH-ARM / FISHERS	P=0.062	P=0.348	P=0.076
MAX-ISO-POLY-3	P=0.063	P=0.278	P=0.061
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MOUSE(B6C3F1/NCTR)  
 LAST REMOVAL AT 110 WEEKS

DOSE	MALE		
	0% ETH/ 0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/10PPMURE
<b>Bone</b>			
<b>Osteosarcoma</b>			
<b>TUMOR 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	---	---	---
HC TUMORS SAME ROUTE	0/0(0%)		
HC TUMORS ALL ROUTES	0/0(0%)		
<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	(n)	(n)	(n)
HISTCONT ALL RTEs	(n)	(n)	(n)
CURR VS HC SAME RTE	(n)		
CURR VS HC ALL RTEs	(n)		

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 First Dose M/F: NA / NA  
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 LAST REMOVAL AT 110 WEEKS

DOSE	MALE		
	0% ETH/ 0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/10PPMURE
<b>Bone Marrow</b>			
<b>Hemangiosarcoma</b>			
<b>TUMOR RATES</b>			
OVERALL(a)	2/279 (1%)	0/141 (0%)	1/138 (1%)
POLY-3 RATE (b)	2/223.29	0/110.87	1/107.47
POLY-3 PERCENT (g)	0.9%	0%	0.9%
TERMINAL (d)	0/156 (0%)	0/71 (0%)	1/66 (2%)
FIRST INCIDENCE	754	---	764(T)
HC TUMORS SAME ROUTE	0/0(0%)		
HC TUMORS ALL ROUTES	0/0(0%)		
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.579N	P=0.403N	P=0.720
POLY 1.5	P=0.575N	P=0.401N	P=0.724
POLY 6	P=0.584N	P=0.408N	P=0.715
COCH-ARM / FISHERS	P=0.572N	P=0.441N	P=0.702
MAX-ISO-POLY-3	P=0.482N	P=0.196N	P=0.490
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MOUSE(B6C3F1/NCTR)  
LAST REMOVAL AT 110 WEEKS

DOSE	MALE		
	0% ETH/ 0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/10PPMURE
<b>Clitoral/Preputial Gland</b>			
<b>Hemangioma</b>			
<b>TUMOR RATES</b>	#	#	#
OVERALL(a)	0/266 (0%)	4/136 (3%)	1/135 (1%)
POLY-3 RATE (b)	0/213.65	4/106.63	1/104.55
POLY-3 PERCENT (g)	0%	3.8%	1%
TERMINAL (d)	0/149 (0%)	2/67 (3%)	1/65 (2%)
FIRST INCIDENCE	---	620	764(T)
HC TUMORS SAME ROUTE	0/0(0%)		
HC TUMORS ALL ROUTES	0/0(0%)		
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.160	P=0.010**	P=0.358
POLY 1.5	P=0.166	P=0.010**	P=0.361
POLY 6	P=0.154	P=0.010**	P=0.355
COCH-ARM / FISHERS	P=0.176	P=0.013*	P=0.337
MAX-ISO-POLY-3	P=0.077	P=0.007**	P=0.112
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MOUSE(B6C3F1/NCTR)  
 LAST REMOVAL AT 110 WEEKS

DOSE	MALE		
	0% ETH/ 0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/10PPMURE
<b>Clitoral/Preputial Gland</b>			
<b>Hemangiosarcoma</b>			
<b>TUMOR RATES</b>	#	#	#
OVERALL(a)	0/266 (0%)	2/136 (1%)	0/135 (0%)
POLY-3 RATE (b)	0/213.65	2/106.00	0/104.55
POLY-3 PERCENT (g)	0%	1.9%	0%
TERMINAL (d)	0/149 (0%)	1/67 (1%)	0/65 (0%)
FIRST INCIDENCE	---	755	---
HC TUMORS SAME ROUTE	0/0(0%)		
HC TUMORS ALL ROUTES	0/0(0%)		
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.490	P=0.104	(e)
POLY 1.5	P=0.496	P=0.106	(e)
POLY 6	P=0.483	P=0.102	(e)
COCH-ARM / FISHERS	P=0.504	P=0.114	(e)
MAX-ISO-POLY-3	P=0.223	P=0.042*	(e)
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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LAST REMOVAL AT 110 WEEKS

DOSE	MALE		
	0% ETH/ 0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/10PPMURE
<b>Epididymis</b>			
<b>Hemangioma</b>			
<b>TUMOR RATES</b>			
OVERALL(a)	0/281 (0%)	2/142 (1%)	0/143 (0%)
POLY-3 RATE (b)	0/224.71	2/111.59	0/108.74
POLY-3 PERCENT (g)	0%	1.8%	0%
TERMINAL (d)	0/156 (0%)	1/71 (1%)	0/66 (0%)
FIRST INCIDENCE	---	711	---
HC TUMORS SAME ROUTE	0/0(0%)		
HC TUMORS ALL ROUTES	0/0(0%)		
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.483	P=0.104	(e)
POLY 1.5	P=0.492	P=0.105	(e)
POLY 6	P=0.473	P=0.102	(e)
COCH-ARM / FISHERS	P=0.504	P=0.112	(e)
MAX-ISO-POLY-3	P=0.226	P=0.042*	(e)
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MOUSE(B6C3F1/NCTR)  
 LAST REMOVAL AT 110 WEEKS**

DOSE	MALE		
	0% ETH/ 0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/10PPMURE
<b>Harderian Gland</b>			
<b>Adenoma</b>			
<b>TUMOR RATES</b>	#	#	#
OVERALL(a)	78/287 (27%)	62/143 (43%)	53/144 (37%)
POLY-3 RATE (b)	78/238.30	62/119.87	53/118.73
POLY-3 PERCENT (g)	32.7%	51.7%	44.6%
TERMINAL (d)	42/156 (27%)	39/71 (55%)	26/66 (39%)
FIRST INCIDENCE	456	395	444
HC TUMORS SAME ROUTE	0/0(0%)		
HC TUMORS ALL ROUTES	0/0(0%)		
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.004**	P=0.000**	P=0.017*
POLY 1.5	P=0.005**	P=0.000**	P=0.019*
POLY 6	P=0.003**	P=0.000**	P=0.014*
COCH-ARM / FISHERS	P=0.008**	P<0.001**	P=0.027*
MAX-ISO-POLY-3	P=0.004**	P<0.001**	P=0.026*
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MOUSE(B6C3F1/NCTR)  
 LAST REMOVAL AT 110 WEEKS**

DOSE	MALE		
	0% ETH/ 0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/10PPMURE
<b>Harderian Gland</b>			
<b>Carcinoma</b>			
<b>TUMOR RATES</b>	#	#	#
<b>OVERALL(a)</b>	24/287 (8%)	17/143 (12%)	14/144 (10%)
<b>POLY-3 RATE (b)</b>	24/235.69	17/118.01	14/111.68
<b>POLY-3 PERCENT (g)</b>	10.2%	14.4%	12.5%
<b>TERMINAL (d)</b>	6/156 (4%)	3/71 (4%)	6/66 (9%)
<b>FIRST INCIDENCE</b>	453	395	478
<b>HC TUMORS SAME ROUTE</b>	0/0(0%)		
<b>HC TUMORS ALL ROUTES</b>	0/0(0%)		
<b>STATISTICAL TESTS</b>			
<b>POLY 3</b>	P=0.231	P=0.159	P=0.320
<b>POLY 1.5</b>	P=0.256	P=0.160	P=0.347
<b>POLY 6</b>	P=0.199	P=0.152	P=0.285
<b>COCH-ARM / FISHERS</b>	P=0.292	P=0.159	P=0.380
<b>MAX-ISO-POLY-3</b>	P=0.315	P=0.155	P=0.289
<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

**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**  
 Test Compound: Urethane + ethanol (combination)  
 CAS Number: URETHCOMB

Date Report Requested: 10/24/2014  
 Time Report Requested: 03:41:05  
 First Dose M/F: NA / NA  
 Lab: NCTR

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MOUSE(B6C3F1/NCTR)  
 LAST REMOVAL AT 110 WEEKS**

DOSE	MALE		
	0% ETH/ 0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/10PPMURE
<b>Harderian Gland</b>			
<b>Carcinoma or Adenoma</b>			
<b>TUMOR RATES</b>	#	#	#
OVERALL(a)	94/287 (33%)	73/143 (51%)	66/144 (46%)
POLY-3 RATE (b)	94/246.39	73/123.83	66/120.95
POLY-3 PERCENT (g)	38.2%	59%	54.6%
TERMINAL (d)	43/156 (28%)	41/71 (58%)	32/66 (48%)
FIRST INCIDENCE	453	395	444
HC TUMORS SAME ROUTE	0/0(0%)		
HC TUMORS ALL ROUTES	0/0(0%)		
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.000**	P=0.000**	P=0.002**
POLY 1.5	P=0.000**	P=0.000**	P=0.002**
POLY 6	P=0.000**	P=0.000**	P<0.001**
COCH-ARM / FISHERS	P<0.001**	P=0.000**	P=0.006**
MAX-ISO-POLY-3	P=0.000**	P=0.000**	P=0.004**
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**  
 Test Compound: Urethane + ethanol (combination)  
 CAS Number: URETHCOMB

Date Report Requested: 10/24/2014  
 Time Report Requested: 03:41:05  
 First Dose M/F: NA / NA  
 Lab: NCTR

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MOUSE(B6C3F1/NCTR)  
 LAST REMOVAL AT 110 WEEKS**

DOSE	MALE		
	0% ETH/ 0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/10PPMURE
<b>Heart</b>			
<b>Hemangioma</b>			
<b>TUMOR RATES</b>			
OVERALL(a)	2/286 (1%)	0/143 (0%)	0/144 (0%)
POLY-3 RATE (b)	2/226.27	0/111.98	0/109.42
POLY-3 PERCENT (g)	0.9%	0%	0%
TERMINAL (d)	0/156 (0%)	0/71 (0%)	0/66 (0%)
FIRST INCIDENCE	724	---	---
HC TUMORS SAME ROUTE	0/0(0%)		
HC TUMORS ALL ROUTES	0/0(0%)		
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.203N	P=0.404N	P=0.410N
POLY 1.5	P=0.200N	P=0.402N	P=0.405N
POLY 6	P=0.207N	P=0.409N	P=0.416N
COCH-ARM / FISHERS	P=0.196N	P=0.444N	P=0.442N
MAX-ISO-POLY-3	P=0.233N	P=0.196N	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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS  
 Test Compound: Urethane + ethanol (combination)  
 CAS Number: URETHCOMB

Date Report Requested: 10/24/2014  
 Time Report Requested: 03:41:05  
 First Dose M/F: NA / NA  
 Lab: NCTR

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MOUSE(B6C3F1/NCTR)  
 LAST REMOVAL AT 110 WEEKS

DOSE	MALE		
	0% ETH/ 0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/10PPMURE
<b>Heart</b>			
<b>Hemangiosarcoma</b>			
<b>TUMOR RATES</b>			
OVERALL(a)	6/286 (2%)	6/143 (4%)	5/144 (3%)
POLY-3 RATE (b)	6/227.88	6/113.48	5/110.15
POLY-3 PERCENT (g)	2.6%	5.3%	4.5%
TERMINAL (d)	1/156 (1%)	2/71 (3%)	2/66 (3%)
FIRST INCIDENCE	453	552	660
HC TUMORS SAME ROUTE	0/0(0%)		
HC TUMORS ALL ROUTES	0/0(0%)		
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.189	P=0.173	P=0.276
POLY 1.5	P=0.198	P=0.175	P=0.285
POLY 6	P=0.177	P=0.167	P=0.264
COCH-ARM / FISHERS	P=0.210	P=0.175	P=0.291
MAX-ISO-POLY-3	P=0.264	P=0.140	P=0.216
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**  
 Test Compound: Urethane + ethanol (combination)  
 CAS Number: URETHCOMB

Date Report Requested: 10/24/2014  
 Time Report Requested: 03:41:05  
 First Dose M/F: NA / NA  
 Lab: NCTR

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MOUSE(B6C3F1/NCTR)  
 LAST REMOVAL AT 110 WEEKS**

DOSE	MALE		
	0% ETH/ 0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/10PPMURE
<b>Islets, Pancreatic</b>			
<b>Adenoma</b>			
<b>TUMOR RATES</b>			
OVERALL(a)	1/270 (0%)	2/137 (1%)	1/136 (1%)
POLY-3 RATE (b)	1/220.42	2/109.29	1/106.34
POLY-3 PERCENT (g)	0.5%	1.8%	0.9%
TERMINAL (d)	0/156 (0%)	1/71 (1%)	1/66 (2%)
FIRST INCIDENCE	682	687	764(T)
HC TUMORS SAME ROUTE	0/0(0%)		
HC TUMORS ALL ROUTES	0/0(0%)		
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.368	P=0.267	P=0.590
POLY 1.5	P=0.374	P=0.270	P=0.594
POLY 6	P=0.360	P=0.263	P=0.584
COCH-ARM / FISHERS	P=0.384	P=0.263	P=0.558
MAX-ISO-POLY-3	P=0.335	P=0.145	P=0.327
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**  
 Test Compound: Urethane + ethanol (combination)  
 CAS Number: URETHCOMB

Date Report Requested: 10/24/2014  
 Time Report Requested: 03:41:05  
 First Dose M/F: NA / NA  
 Lab: NCTR

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MOUSE(B6C3F1/NCTR)  
 LAST REMOVAL AT 110 WEEKS**

DOSE	MALE		
	0% ETH/ 0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/10PPMURE
<b>Islets, Pancreatic Carcinoma or Adenoma</b>			
<b>TUMOR RATES</b>			
OVERALL(a)	1/270 (0%)	2/137 (1%)	2/136 (1%)
POLY-3 RATE (b)	1/220.42	2/109.29	2/106.34
POLY-3 PERCENT (g)	0.5%	1.8%	1.9%
TERMINAL (d)	0/156 (0%)	1/71 (1%)	2/66 (3%)
FIRST INCIDENCE	682	687	764(T)
HC TUMORS SAME ROUTE	0/0(0%)		
HC TUMORS ALL ROUTES	0/0(0%)		
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.163	P=0.267	P=0.260
POLY 1.5	P=0.167	P=0.270	P=0.265
POLY 6	P=0.158	P=0.263	P=0.254
COCH-ARM / FISHERS	P=0.174	P=0.263	P=0.261
MAX-ISO-POLY-3	P=0.228	P=0.145	P=0.142
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS  
 Test Compound: Urethane + ethanol (combination)  
 CAS Number: URETHCOMB

Date Report Requested: 10/24/2014  
 Time Report Requested: 03:41:05  
 First Dose M/F: NA / NA  
 Lab: NCTR

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MOUSE(B6C3F1/NCTR)  
 LAST REMOVAL AT 110 WEEKS

DOSE	MALE		
	0% ETH/ 0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/10PPMURE
<b>Kidney: Renal Tubule</b>			
<b>Adenoma</b>			
<b>TUMOR RATES</b>	#	#	#
OVERALL(a)	2/280 (1%)	1/142 (1%)	0/143 (0%)
POLY-3 RATE (b)	2/225.25	1/111.64	0/109.37
POLY-3 PERCENT (g)	0.9%	0.9%	0%
TERMINAL (d)	1/156 (1%)	0/71 (0%)	0/66 (0%)
FIRST INCIDENCE	493	721	---
HC TUMORS SAME ROUTE	0/0(0%)		
HC TUMORS ALL ROUTES	0/0(0%)		
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.313N	P=0.728	P=0.409N
POLY 1.5	P=0.306N	P=0.730N	P=0.404N
POLY 6	P=0.323N	P=0.723	P=0.416N
COCH-ARM / FISHERS	P=0.295N	P=0.709	P=0.438N
MAX-ISO-POLY-3	P=0.300N	P=0.498	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

**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**  
 Test Compound: Urethane + ethanol (combination)  
 CAS Number: URETHCOMB

Date Report Requested: 10/24/2014  
 Time Report Requested: 03:41:05  
 First Dose M/F: NA / NA  
 Lab: NCTR

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MOUSE(B6C3F1/NCTR)  
 LAST REMOVAL AT 110 WEEKS**

DOSE	MALE		
	0% ETH/ 0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/10PPMURE
<b>Kidney: Renal Tubule Carcinoma or Adenoma</b>			
<b>TUMOR RATES</b>	#	#	#
OVERALL(a)	2/280 (1%)	1/142 (1%)	1/143 (1%)
POLY-3 RATE (b)	2/225.25	1/111.64	1/109.37
POLY-3 PERCENT (g)	0.9%	0.9%	0.9%
TERMINAL (d)	1/156 (1%)	0/71 (0%)	1/66 (2%)
FIRST INCIDENCE	493	721	764(T)
HC TUMORS SAME ROUTE	0/0(0%)		
HC TUMORS ALL ROUTES	0/0(0%)		
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.612	P=0.728	P=0.722
POLY 1.5	P=0.618	P=0.730N	P=0.727
POLY 6	P=0.604	P=0.723	P=0.714
COCH-ARM / FISHERS	P=0.612N	P=0.709	P=0.711
MAX-ISO-POLY-3	P=0.658	P=0.498	P=0.492
HISTCONT SAME RTE			
HISTCONT ALL RTEs			
CURR VS HC SAME RTE			
CURR VS HC ALL RTEs			

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

**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**  
 Test Compound: Urethane + ethanol (combination)  
 CAS Number: URETHCOMB

Date Report Requested: 10/24/2014  
 Time Report Requested: 03:41:05  
 First Dose M/F: NA / NA  
 Lab: NCTR

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MOUSE(B6C3F1/NCTR)  
 LAST REMOVAL AT 110 WEEKS**

DOSE	MALE		
	0% ETH/ 0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/10PPMURE
<b>Kidney: Renal Tubule</b>			
<b>Hemangiosarcoma</b>			
<b>TUMOR RATES</b>	#	#	#
OVERALL(a)	1/280 (0%)	2/142 (1%)	3/143 (2%)
POLY-3 RATE (b)	1/224.53	2/112.31	3/109.81
POLY-3 PERCENT (g)	0.4%	1.8%	2.7%
TERMINAL (d)	0/156 (0%)	0/71 (0%)	1/66 (2%)
FIRST INCIDENCE	761	569	643
HC TUMORS SAME ROUTE	0/0(0%)		
HC TUMORS ALL ROUTES	0/0(0%)		
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.066	P=0.270	P=0.103
POLY 1.5	P=0.069	P=0.272	P=0.106
POLY 6	P=0.063	P=0.266	P=0.099
COCH-ARM / FISHERS	P=0.072	P=0.263	P=0.114
MAX-ISO-POLY-3	P=0.090	P=0.145	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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS  
 Test Compound: Urethane + ethanol (combination)  
 CAS Number: URETHCOMB

Date Report Requested: 10/24/2014  
 Time Report Requested: 03:41:05  
 First Dose M/F: NA / NA  
 Lab: NCTR

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MOUSE(B6C3F1/NCTR)  
 LAST REMOVAL AT 110 WEEKS

DOSE	MALE		
	0% ETH/ 0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/10PPMURE
<b>Kidney: Renal Tubule</b>			
<b>Mast Cell Tumor Malignant</b>			
<b>TUMOR 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	---	---	---
HC TUMORS SAME ROUTE	0/0(0%)		
HC TUMORS ALL ROUTES	0/0(0%)		
<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	(n)	(n)	(n)
HISTCONT ALL RTEs	(n)	(n)	(n)
CURR VS HC SAME RTE	(n)		
CURR VS HC ALL RTEs	(n)		

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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS  
Test Compound: Urethane + ethanol (combination)  
CAS Number: URETHCOMB

Date Report Requested: 10/24/2014  
Time Report Requested: 03:41:05  
First Dose M/F: NA / NA  
Lab: NCTR

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MOUSE(B6C3F1/NCTR)  
LAST REMOVAL AT 110 WEEKS

DOSE	MALE		
	0% ETH/ 0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/10PPMURE
<b>Kidney: Renal Tubule</b>			
<b>Sarcoma</b>			
<b>TUMOR 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	---	---	---
HC TUMORS SAME ROUTE	0/0(0%)		
HC TUMORS ALL ROUTES	0/0(0%)		
<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	(n)	(n)	(n)
HISTCONT ALL RTEs	(n)	(n)	(n)
CURR VS HC SAME RTE	(n)		
CURR VS HC ALL RTEs	(n)		

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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS  
 Test Compound: Urethane + ethanol (combination)  
 CAS Number: URETHCOMB

Date Report Requested: 10/24/2014  
 Time Report Requested: 03:41:05  
 First Dose M/F: NA / NA  
 Lab: NCTR

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MOUSE(B6C3F1/NCTR)  
 LAST REMOVAL AT 110 WEEKS

DOSE	MALE		
	0% ETH/ 0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/10PPMURE
Liver			
Hemangioma			
<b>TUMOR RATES</b>			
OVERALL(a)	0/278 (0%)	0/142 (0%)	4/142 (3%)
POLY-3 RATE (b)	0/223.06	0/111.39	4/108.66
POLY-3 PERCENT (g)	0%	0%	3.7%
TERMINAL (d)	0/156 (0%)	0/71 (0%)	4/66 (6%)
FIRST INCIDENCE	---	---	764(T)
HC TUMORS SAME ROUTE	0/0(0%)		
HC TUMORS ALL ROUTES	0/0(0%)		
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.003**	(e)	P=0.009**
POLY 1.5	P=0.003**	(e)	P=0.010**
POLY 6	P=0.003**	(e)	P=0.009**
COCH-ARM / FISHERS	P=0.003**	(e)	P=0.013*
MAX-ISO-POLY-3	P=0.002**	(e)	P=0.007**
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**  
 Test Compound: Urethane + ethanol (combination)  
 CAS Number: URETHCOMB

Date Report Requested: 10/24/2014  
 Time Report Requested: 03:41:05  
 First Dose M/F: NA / NA  
 Lab: NCTR

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MOUSE(B6C3F1/NCTR)  
 LAST REMOVAL AT 110 WEEKS**

DOSE	MALE		
	0% ETH/ 0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/10PPMURE
<b>Liver</b>			
<b>Hemangiosarcoma</b>			
<b>TUMOR RATES</b>			
OVERALL(a)	26/278 (9%)	18/142 (13%)	19/142 (13%)
POLY-3 RATE (b)	26/227.92	18/114.69	19/111.17
POLY-3 PERCENT (g)	11.4%	15.7%	17.1%
TERMINAL (d)	10/156 (6%)	9/71 (13%)	9/66 (14%)
FIRST INCIDENCE	464	488	507
HC TUMORS SAME ROUTE	0/0(0%)		
HC TUMORS ALL ROUTES	0/0(0%)		
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.075	P=0.171	P=0.101
POLY 1.5	P=0.087	P=0.179	P=0.115
POLY 6	P=0.062	P=0.156	P=0.085
COCH-ARM / FISHERS	P=0.106	P=0.188	P=0.137
MAX-ISO-POLY-3	P=0.102	P=0.167	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

**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**  
 Test Compound: Urethane + ethanol (combination)  
 CAS Number: URETHCOMB

Date Report Requested: 10/24/2014  
 Time Report Requested: 03:41:05  
 First Dose M/F: NA / NA  
 Lab: NCTR

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MOUSE(B6C3F1/NCTR)  
 LAST REMOVAL AT 110 WEEKS**

DOSE	MALE		
	0% ETH/ 0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/10PPMURE
<b>Liver</b>			
<b>Hepatocellular Adenoma</b>			
<b>TUMOR RATES</b>			
OVERALL(a)	85/278 (31%)	55/142 (39%)	37/142 (26%)
POLY-3 RATE (b)	85/234.49	55/116.80	37/111.50
POLY-3 PERCENT (g)	36.2%	47.1%	33.2%
TERMINAL (d)	55/156 (35%)	36/71 (51%)	25/66 (38%)
FIRST INCIDENCE	453	395	570
HC TUMORS SAME ROUTE	0/0(0%)		
HC TUMORS ALL ROUTES	0/0(0%)		
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.498N	P=0.030*	P=0.330N
POLY 1.5	P=0.409N	P=0.040*	P=0.267N
POLY 6	P=0.434	P=0.020*	P=0.420N
COCH-ARM / FISHERS	P=0.305N	P=0.059	P=0.198N
MAX-ISO-POLY-3	P=0.213N	P=0.043*	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

**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**  
 Test Compound: Urethane + ethanol (combination)  
 CAS Number: URETHCOMB

Date Report Requested: 10/24/2014  
 Time Report Requested: 03:41:05  
 First Dose M/F: NA / NA  
 Lab: NCTR

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MOUSE(B6C3F1/NCTR)  
 LAST REMOVAL AT 110 WEEKS**

DOSE	MALE		
	0% ETH/ 0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/10PPMURE
<b>Liver</b>			
<b>Hepatocellular Carcinoma</b>			
<b>TUMOR RATES</b>			
OVERALL(a)	44/278 (16%)	14/142 (10%)	20/142 (14%)
POLY-3 RATE (b)	44/229.39	14/112.46	20/113.64
POLY-3 PERCENT (g)	19.2%	12.4%	17.6%
TERMINAL (d)	21/156 (13%)	10/71 (14%)	7/66 (11%)
FIRST INCIDENCE	447	523	542
HC TUMORS SAME ROUTE	0/0(0%)		
HC TUMORS ALL ROUTES	0/0(0%)		
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.287N	P=0.080N	P=0.418N
POLY 1.5	P=0.269N	P=0.071N	P=0.397N
POLY 6	P=0.319N	P=0.100N	P=0.448N
COCH-ARM / FISHERS	P=0.248N	P=0.061N	P=0.376N
MAX-ISO-POLY-3	P=0.284N	P=0.091N	P=0.380N
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**  
 Test Compound: Urethane + ethanol (combination)  
 CAS Number: URETHCOMB

Date Report Requested: 10/24/2014  
 Time Report Requested: 03:41:05  
 First Dose M/F: NA / NA  
 Lab: NCTR

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MOUSE(B6C3F1/NCTR)  
 LAST REMOVAL AT 110 WEEKS**

DOSE	MALE		
	0% ETH/ 0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/10PPMURE
<b>Liver</b>			
<b>Hepatocellular Carcinoma or Hepatoblastoma</b>			
<b>TUMOR RATES</b>			
OVERALL(a)	44/278 (16%)	14/142 (10%)	21/142 (15%)
POLY-3 RATE (b)	44/229.39	14/112.46	21/113.64
POLY-3 PERCENT (g)	19.2%	12.4%	18.5%
TERMINAL (d)	21/156 (13%)	10/71 (14%)	8/66 (12%)
FIRST INCIDENCE	447	523	542
HC TUMORS SAME ROUTE	0/0(0%)		
HC TUMORS ALL ROUTES	0/0(0%)		
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.356N	P=0.080N	P=0.496N
POLY 1.5	P=0.334N	P=0.071N	P=0.474N
POLY 6	P=0.390N	P=0.100N	P=0.528N
COCH-ARM / FISHERS	P=0.310N	P=0.061N	P=0.450N
MAX-ISO-POLY-3	P=0.322N	P=0.091N	P=0.447N
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**  
 Test Compound: Urethane + ethanol (combination)  
 CAS Number: URETHCOMB

Date Report Requested: 10/24/2014  
 Time Report Requested: 03:41:06  
 First Dose M/F: NA / NA  
 Lab: NCTR

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MOUSE(B6C3F1/NCTR)  
 LAST REMOVAL AT 110 WEEKS**

DOSE	MALE		
	0% ETH/ 0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/10PPMURE
<b>Liver</b>			
<b>Hepatocellular Carcinoma or Hepatocellular Adenoma</b>			
<b>TUMOR RATES</b>			
OVERALL(a)	118/278 (42%)	60/142 (42%)	51/142 (36%)
POLY-3 RATE (b)	118/239.58	60/117.48	51/114.79
POLY-3 PERCENT (g)	49.3%	51.1%	44.4%
TERMINAL (d)	70/156 (45%)	40/71 (56%)	31/66 (47%)
FIRST INCIDENCE	447	395	542
HC TUMORS SAME ROUTE	0/0(0%)		
HC TUMORS ALL ROUTES	0/0(0%)		
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.254N	P=0.415	P=0.228N
POLY 1.5	P=0.187N	P=0.482	P=0.171N
POLY 6	P=0.363N	P=0.311	P=0.316N
COCH-ARM / FISHERS	P=0.126N	P=0.527N	P=0.118N
MAX-ISO-POLY-3	P=0.285N	P=0.389	P=0.232N
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**  
 Test Compound: Urethane + ethanol (combination)  
 CAS Number: URETHCOMB

Date Report Requested: 10/24/2014  
 Time Report Requested: 03:41:06  
 First Dose M/F: NA / NA  
 Lab: NCTR

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MOUSE(B6C3F1/NCTR)  
 LAST REMOVAL AT 110 WEEKS**

DOSE	MALE		
	0% ETH/ 0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/10PPMURE
<b>Liver</b>			
<b>Hepatocellular Carcinoma, Hepatocellular Adenoma, or Hepatoblastoma</b>			
<b>TUMOR RATES</b>			
OVERALL(a)	118/278 (42%)	60/142 (42%)	51/142 (36%)
POLY-3 RATE (b)	118/239.58	60/117.48	51/114.79
POLY-3 PERCENT (g)	49.3%	51.1%	44.4%
TERMINAL (d)	70/156 (45%)	40/71 (56%)	31/66 (47%)
FIRST INCIDENCE	447	395	542
HC TUMORS SAME ROUTE	0/0(0%)		
HC TUMORS ALL ROUTES	0/0(0%)		
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.254N	P=0.415	P=0.228N
POLY 1.5	P=0.187N	P=0.482	P=0.171N
POLY 6	P=0.363N	P=0.311	P=0.316N
COCH-ARM / FISHERS	P=0.126N	P=0.527N	P=0.118N
MAX-ISO-POLY-3	P=0.285N	P=0.389	P=0.232N
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**  
 Test Compound: Urethane + ethanol (combination)  
 CAS Number: URETHCOMB

Date Report Requested: 10/24/2014  
 Time Report Requested: 03:41:06  
 First Dose M/F: NA / NA  
 Lab: NCTR

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MOUSE(B6C3F1/NCTR)  
 LAST REMOVAL AT 110 WEEKS**

DOSE	MALE		
	0% ETH/ 0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/10PPMURE
<b>Lung</b>			
<b>Alveolar/Bronchiolar Adenoma</b>			
<b>TUMOR RATES</b>			
OVERALL(a)	93/287 (32%)	70/143 (49%)	50/144 (35%)
POLY-3 RATE (b)	93/241.67	70/121.44	50/119.12
POLY-3 PERCENT (g)	38.5%	57.6%	42%
TERMINAL (d)	52/156 (33%)	42/71 (59%)	23/66 (35%)
FIRST INCIDENCE	293	395	355
HC TUMORS SAME ROUTE	0/0(0%)		
HC TUMORS ALL ROUTES	0/0(0%)		
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.108	P=0.000**	P=0.298
POLY 1.5	P=0.127	P=0.000**	P=0.322
POLY 6	P=0.083	P=0.000**	P=0.263
COCH-ARM / FISHERS	P=0.160	P<0.001**	P=0.353
MAX-ISO-POLY-3	P=0.046*	P<0.001**	P=0.288
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS  
 Test Compound: Urethane + ethanol (combination)  
 CAS Number: URETHCOMB

Date Report Requested: 10/24/2014  
 Time Report Requested: 03:41:06  
 First Dose M/F: NA / NA  
 Lab: NCTR

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MOUSE(B6C3F1/NCTR)  
 LAST REMOVAL AT 110 WEEKS

DOSE	MALE		
	0% ETH/ 0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/10PPMURE
<b>Lung</b>			
<b>Alveolar/Bronchiolar Carcinoma</b>			
<b>TUMOR RATES</b>			
OVERALL(a)	27/287 (9%)	35/143 (24%)	26/144 (18%)
POLY-3 RATE (b)	27/229.51	35/117.31	26/113.47
POLY-3 PERCENT (g)	11.8%	29.8%	22.9%
TERMINAL (d)	16/156 (10%)	15/71 (21%)	12/66 (18%)
FIRST INCIDENCE	521	569	478
HC TUMORS SAME ROUTE	0/0(0%)		
HC TUMORS ALL ROUTES	0/0(0%)		
<b>STATISTICAL TESTS</b>			
POLY 3	P<0.001**	P=0.000**	P=0.005**
POLY 1.5	P<0.001**	P=0.000**	P=0.006**
POLY 6	P<0.001**	P=0.000**	P=0.005**
COCH-ARM / FISHERS	P=0.002**	P=0.000**	P=0.009**
MAX-ISO-POLY-3	P<0.001**	P=0.000**	P=0.010**
HISTCONT SAME RTE			
HISTCONT ALL RTEs			
CURR VS HC SAME RTE			
CURR VS HC ALL RTEs			

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

**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**  
 Test Compound: Urethane + ethanol (combination)  
 CAS Number: URETHCOMB

Date Report Requested: 10/24/2014  
 Time Report Requested: 03:41:06  
 First Dose M/F: NA / NA  
 Lab: NCTR

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MOUSE(B6C3F1/NCTR)  
 LAST REMOVAL AT 110 WEEKS**

DOSE	MALE		
	0% ETH/ 0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/10PPMURE
<b>Lung</b>			
<b>Alveolar/Bronchiolar Carcinoma or Alveolar/Bronchiolar Adenoma</b>			
<b>TUMOR RATES</b>			
OVERALL(a)	111/287 (39%)	86/143 (60%)	65/144 (45%)
POLY-3 RATE (b)	111/243.60	86/124.44	65/121.88
POLY-3 PERCENT (g)	45.6%	69.1%	53.3%
TERMINAL (d)	63/156 (40%)	47/71 (66%)	31/66 (47%)
FIRST INCIDENCE	293	395	355
HC TUMORS SAME ROUTE	0/0(0%)		
HC TUMORS ALL ROUTES	0/0(0%)		
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.016*	P=0.000**	P=0.093
POLY 1.5	P=0.019*	P=0.000**	P=0.101
POLY 6	P=0.013*	P=0.000**	P=0.083
COCH-ARM / FISHERS	P=0.029*	P=0.000**	P=0.118
MAX-ISO-POLY-3	P=0.006**	P=0.000**	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

**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**  
 Test Compound: Urethane + ethanol (combination)  
 CAS Number: URETHCOMB

Date Report Requested: 10/24/2014  
 Time Report Requested: 03:41:06  
 First Dose M/F: NA / NA  
 Lab: NCTR

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MOUSE(B6C3F1/NCTR)  
 LAST REMOVAL AT 110 WEEKS**

DOSE	MALE		
	0% ETH/ 0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/10PPMURE
<b>Lymph Node</b>			
<b>Hemangiosarcoma</b>			
<b>TUMOR RATES</b>	#	#	#
OVERALL(a)	2/287 (1%)	3/143 (2%)	1/144 (1%)
POLY-3 RATE (b)	2/226.54	3/112.62	1/109.68
POLY-3 PERCENT (g)	0.9%	2.7%	0.9%
TERMINAL (d)	0/156 (0%)	1/71 (1%)	0/66 (0%)
FIRST INCIDENCE	739	569	691
HC TUMORS SAME ROUTE	0/0(0%)		
HC TUMORS ALL ROUTES	0/0(0%)		
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.483	P=0.211	P=0.722
POLY 1.5	P=0.491	P=0.212	P=0.726
POLY 6	P=0.472	P=0.207	P=0.716
COCH-ARM / FISHERS	P=0.501	P=0.208	P=0.706
MAX-ISO-POLY-3	P=0.390	P=0.135	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

**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**  
 Test Compound: Urethane + ethanol (combination)  
 CAS Number: URETHCOMB

Date Report Requested: 10/24/2014  
 Time Report Requested: 03:41:06  
 First Dose M/F: NA / NA  
 Lab: NCTR

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MOUSE(B6C3F1/NCTR)  
 LAST REMOVAL AT 110 WEEKS**

DOSE	MALE		
	0% ETH/ 0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/10PPMURE
<b>Lymph Node</b>			
<b>Mast Cell Tumor Malignant</b>			
<b>TUMOR 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	---	---	---
HC TUMORS SAME ROUTE	0/0(0%)		
HC TUMORS ALL ROUTES	0/0(0%)		
<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	(n)	(n)	(n)
HISTCONT ALL RTEs	(n)	(n)	(n)
CURR VS HC SAME RTE	(n)		
CURR VS HC ALL RTEs	(n)		

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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS  
 Test Compound: Urethane + ethanol (combination)  
 CAS Number: URETHCOMB

Date Report Requested: 10/24/2014  
 Time Report Requested: 03:41:06  
 First Dose M/F: NA / NA  
 Lab: NCTR

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MOUSE(B6C3F1/NCTR)  
 LAST REMOVAL AT 110 WEEKS

DOSE	MALE		
	0% ETH/ 0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/10PPMURE
<b>Mammary Gland</b>			
<b>Adenoacanthoma</b>			
<b>TUMOR 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	---	---	---
HC TUMORS SAME ROUTE	0/0(0%)		
HC TUMORS ALL ROUTES	0/0(0%)		
<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	(n)	(n)	(n)
HISTCONT ALL RTEs	(n)	(n)	(n)
CURR VS HC SAME RTE	(n)		
CURR VS HC ALL RTEs	(n)		

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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS  
 Test Compound: Urethane + ethanol (combination)  
 CAS Number: URETHCOMB

Date Report Requested: 10/24/2014  
 Time Report Requested: 03:41:06  
 First Dose M/F: NA / NA  
 Lab: NCTR

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MOUSE(B6C3F1/NCTR)  
 LAST REMOVAL AT 110 WEEKS

DOSE	MALE		
	0% ETH/ 0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/10PPMURE
<b>Mammary Gland</b>			
<b>Adenoma</b>			
<b>TUMOR 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	---	---	---
HC TUMORS SAME ROUTE	0/0(0%)		
HC TUMORS ALL ROUTES	0/0(0%)		
<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	(n)	(n)	(n)
HISTCONT ALL RTEs	(n)	(n)	(n)
CURR VS HC SAME RTE	(n)		
CURR VS HC ALL RTEs	(n)		

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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS  
 Test Compound: Urethane + ethanol (combination)  
 CAS Number: URETHCOMB

Date Report Requested: 10/24/2014  
 Time Report Requested: 03:41:06  
 First Dose M/F: NA / NA  
 Lab: NCTR

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MOUSE(B6C3F1/NCTR)  
 LAST REMOVAL AT 110 WEEKS

DOSE	MALE		
	0% ETH/ 0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/10PPMURE
<b>Mammary Gland</b>			
<b>Carcinoma</b>			
<b>TUMOR RATES</b>	#	#	#
OVERALL(a)	1/287 (0%)	0/143 (0%)	0/144 (0%)
POLY-3 RATE (b)	1/226.58	0/111.98	0/109.42
POLY-3 PERCENT (g)	0.4%	0%	0%
TERMINAL (d)	0/156 (0%)	0/71 (0%)	0/66 (0%)
FIRST INCIDENCE	726	---	---
HC TUMORS SAME ROUTE	0/0(0%)		
HC TUMORS ALL ROUTES	0/0(0%)		
<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	(n)	(n)	(n)
HISTCONT ALL RTEs	(n)	(n)	(n)
CURR VS HC SAME RTE	(n)		
CURR VS HC ALL RTEs	(n)		

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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS  
Test Compound: Urethane + ethanol (combination)  
CAS Number: URETHCOMB

Date Report Requested: 10/24/2014  
Time Report Requested: 03:41:06  
First Dose M/F: NA / NA  
Lab: NCTR

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MOUSE(B6C3F1/NCTR)  
LAST REMOVAL AT 110 WEEKS

DOSE	MALE		
	0% ETH/ 0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/10PPMURE
<b>Mammary Gland</b>			
<b>Carcinoma or Adenoma</b>			
<b>TUMOR RATES</b>	#	#	#
OVERALL(a)	1/287 (0%)	0/143 (0%)	0/144 (0%)
POLY-3 RATE (b)	1/226.58	0/111.98	0/109.42
POLY-3 PERCENT (g)	0.4%	0%	0%
TERMINAL (d)	0/156 (0%)	0/71 (0%)	0/66 (0%)
FIRST INCIDENCE	726	---	---
HC TUMORS SAME ROUTE	0/0(0%)		
HC TUMORS ALL ROUTES	0/0(0%)		
<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	(n)	(n)	(n)
HISTCONT ALL RTEs	(n)	(n)	(n)
CURR VS HC SAME RTE	(n)		
CURR VS HC ALL RTEs	(n)		

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

**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**  
 Test Compound: Urethane + ethanol (combination)  
 CAS Number: URETHCOMB

Date Report Requested: 10/24/2014  
 Time Report Requested: 03:41:06  
 First Dose M/F: NA / NA  
 Lab: NCTR

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MOUSE(B6C3F1/NCTR)  
 LAST REMOVAL AT 110 WEEKS**

DOSE	MALE		
	0% ETH/ 0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/10PPMURE
<b>Mammary Gland</b>			
<b>Fibroma, Fibroadenoma or Adenoma</b>			
<b>TUMOR 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	---	---	---
HC TUMORS SAME ROUTE	0/0(0%)		
HC TUMORS ALL ROUTES	0/0(0%)		
<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	(n)	(n)	(n)
HISTCONT ALL RTEs	(n)	(n)	(n)
CURR VS HC SAME RTE	(n)		
CURR VS HC ALL RTEs	(n)		

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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS  
Test Compound: Urethane + ethanol (combination)  
CAS Number: URETHCOMB

Date Report Requested: 10/24/2014  
Time Report Requested: 03:41:06  
First Dose M/F: NA / NA  
Lab: NCTR

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MOUSE(B6C3F1/NCTR)  
LAST REMOVAL AT 110 WEEKS

DOSE	MALE		
	0% ETH/ 0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/10PPMURE
<b>Mammary Gland</b>			
<b>Fibroma, Fibroadenoma, Carcinoma, or Adenoma</b>			
<b>TUMOR RATES</b>	#	#	#
OVERALL(a)	1/287 (0%)	0/143 (0%)	0/144 (0%)
POLY-3 RATE (b)	1/226.58	0/111.98	0/109.42
POLY-3 PERCENT (g)	0.4%	0%	0%
TERMINAL (d)	0/156 (0%)	0/71 (0%)	0/66 (0%)
FIRST INCIDENCE	726	---	---
HC TUMORS SAME ROUTE	0/0(0%)		
HC TUMORS ALL ROUTES	0/0(0%)		
<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	(n)	(n)	(n)
HISTCONT ALL RTEs	(n)	(n)	(n)
CURR VS HC SAME RTE	(n)		
CURR VS HC ALL RTEs	(n)		

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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS  
 Test Compound: Urethane + ethanol (combination)  
 CAS Number: URETHCOMB

Date Report Requested: 10/24/2014  
 Time Report Requested: 03:41:06  
 First Dose M/F: NA / NA  
 Lab: NCTR

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MOUSE(B6C3F1/NCTR)  
 LAST REMOVAL AT 110 WEEKS

DOSE	MALE		
	0% ETH/ 0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/10PPMURE
<b>Mesentery</b>			
<b>Hemangiosarcoma</b>			
<b>TUMOR RATES</b>	#	#	#
OVERALL(a)	1/287 (0%)	0/143 (0%)	1/144 (1%)
POLY-3 RATE (b)	1/226.44	0/111.98	1/109.42
POLY-3 PERCENT (g)	0.4%	0%	0.9%
TERMINAL (d)	1/156 (1%)	0/71 (0%)	1/66 (2%)
FIRST INCIDENCE	764(T)	---	764(T)
HC TUMORS SAME ROUTE	0/0(0%)		
HC TUMORS ALL ROUTES	0/0(0%)		
<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	(n)	(n)	(n)
HISTCONT ALL RTEs	(n)	(n)	(n)
CURR VS HC SAME RTE	(n)		
CURR VS HC ALL RTEs	(n)		

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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS  
 Test Compound: Urethane + ethanol (combination)  
 CAS Number: URETHCOMB

Date Report Requested: 10/24/2014  
 Time Report Requested: 03:41:06  
 First Dose M/F: NA / NA  
 Lab: NCTR

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MOUSE(B6C3F1/NCTR)  
 LAST REMOVAL AT 110 WEEKS

DOSE	MALE		
	0% ETH/ 0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/10PPMURE
<b>Oral Cavity (Oral Mucosa, Tongue, Pharynx, Tooth, Gingiva)</b>			
<b>Squamous Cell Carcinoma</b>			
<b>TUMOR RATES</b>	#	#	#
OVERALL(a)	0/287 (0%)	0/143 (0%)	2/144 (1%)
POLY-3 RATE (b)	0/226.44	0/111.98	2/109.62
POLY-3 PERCENT (g)	0%	0%	1.8%
TERMINAL (d)	0/156 (0%)	0/71 (0%)	1/66 (2%)
FIRST INCIDENCE	---	---	710
HC TUMORS SAME ROUTE	0/0(0%)		
HC TUMORS ALL ROUTES	0/0(0%)		
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.044*	(e)	P=0.101
POLY 1.5	P=0.044*	(e)	P=0.103
POLY 6	P=0.043*	(e)	P=0.098
COCH-ARM / FISHERS	P=0.044*	(e)	P=0.111
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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS  
 Test Compound: Urethane + ethanol (combination)  
 CAS Number: URETHCOMB

Date Report Requested: 10/24/2014  
 Time Report Requested: 03:41:06  
 First Dose M/F: NA / NA  
 Lab: NCTR

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MOUSE(B6C3F1/NCTR)  
 LAST REMOVAL AT 110 WEEKS

MALE			
DOSE	0% ETH/ 0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/10PPMURE
<b>Oral Cavity (Oral Mucosa, Tongue, Pharynx, Tooth, Gingiva)</b>			
<b>Squamous Cell Carcinoma, Papilloma Squamous, or Papilloma</b>			
<b>TUMOR RATES</b>	#	#	#
OVERALL(a)	0/287 (0%)	0/143 (0%)	2/144 (1%)
POLY-3 RATE (b)	0/226.44	0/111.98	2/109.62
POLY-3 PERCENT (g)	0%	0%	1.8%
TERMINAL (d)	0/156 (0%)	0/71 (0%)	1/66 (2%)
FIRST INCIDENCE	---	---	710
HC TUMORS SAME ROUTE	0/0(0%)		
HC TUMORS ALL ROUTES	0/0(0%)		
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.044*	(e)	P=0.101
POLY 1.5	P=0.044*	(e)	P=0.103
POLY 6	P=0.043*	(e)	P=0.098
COCH-ARM / FISHERS	P=0.044*	(e)	P=0.111
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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS  
 Test Compound: Urethane + ethanol (combination)  
 CAS Number: URETHCOMB

Date Report Requested: 10/24/2014  
 Time Report Requested: 03:41:06  
 First Dose M/F: NA / NA  
 Lab: NCTR

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MOUSE(B6C3F1/NCTR)  
 LAST REMOVAL AT 110 WEEKS

DOSE	MALE		
	0% ETH/ 0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/10PPMURE
<b>Pituitary Gland: Pars Distalis or Unspecified Site</b>			
<b>Adenoma</b>			
<b>TUMOR RATES</b>	#	#	#
OVERALL(a)	1/239 (0%)	0/125 (0%)	0/123 (0%)
POLY-3 RATE (b)	1/196.17	0/99.81	0/96.95
POLY-3 PERCENT (g)	0.5%	0%	0%
TERMINAL (d)	1/141 (1%)	0/69 (0%)	0/60 (0%)
FIRST INCIDENCE	764(T)	---	---
HC TUMORS SAME ROUTE	0/0(0%)		
HC TUMORS ALL ROUTES	0/0(0%)		
<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	(n)	(n)	(n)
HISTCONT ALL RTEs	(n)	(n)	(n)
CURR VS HC SAME RTE	(n)		
CURR VS HC ALL RTEs	(n)		

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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS  
Test Compound: Urethane + ethanol (combination)  
CAS Number: URETHCOMB

Date Report Requested: 10/24/2014  
Time Report Requested: 03:41:06  
First Dose M/F: NA / NA  
Lab: NCTR

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MOUSE(B6C3F1/NCTR)  
LAST REMOVAL AT 110 WEEKS

DOSE	MALE		
	0% ETH/ 0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/10PPMURE
<b>Pituitary Gland: Pars Distalis or Unspecified Site</b>			
<b>Carcinoma or Adenoma</b>			
<b>TUMOR RATES</b>	#	#	#
OVERALL(a)	1/239 (0%)	0/125 (0%)	0/123 (0%)
POLY-3 RATE (b)	1/196.17	0/99.81	0/96.95
POLY-3 PERCENT (g)	0.5%	0%	0%
TERMINAL (d)	1/141 (1%)	0/69 (0%)	0/60 (0%)
FIRST INCIDENCE	764(T)	---	---
HC TUMORS SAME ROUTE	0/0(0%)		
HC TUMORS ALL ROUTES	0/0(0%)		
<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	(n)	(n)	(n)
HISTCONT ALL RTEs	(n)	(n)	(n)
CURR VS HC SAME RTE	(n)		
CURR VS HC ALL RTEs	(n)		

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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS  
 Test Compound: Urethane + ethanol (combination)  
 CAS Number: URETHCOMB

Date Report Requested: 10/24/2014  
 Time Report Requested: 03:41:06  
 First Dose M/F: NA / NA  
 Lab: NCTR

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MOUSE(B6C3F1/NCTR)  
 LAST REMOVAL AT 110 WEEKS

DOSE	MALE		
	0% ETH/ 0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/10PPMURE
<b>Skeletal Muscle</b>			
<b>Rhabdomyosarcoma</b>			
<b>TUMOR RATES</b>	#	#	#
OVERALL(a)	3/287 (1%)	0/143 (0%)	2/144 (1%)
POLY-3 RATE (b)	3/227.00	0/111.98	2/110.01
POLY-3 PERCENT (g)	1.3%	0%	1.8%
TERMINAL (d)	1/156 (1%)	0/71 (0%)	1/66 (2%)
FIRST INCIDENCE	655	---	570
HC TUMORS SAME ROUTE	0/0(0%)		
HC TUMORS ALL ROUTES	0/0(0%)		
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.550	P=0.273N	P=0.550
POLY 1.5	P=0.552	P=0.271N	P=0.556
POLY 6	P=0.544	P=0.278N	P=0.541
COCH-ARM / FISHERS	P=0.555	P=0.296N	P=0.541
MAX-ISO-POLY-3	P=0.359	P=0.147N	P=0.382
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS  
 Test Compound: Urethane + ethanol (combination)  
 CAS Number: URETHCOMB

Date Report Requested: 10/24/2014  
 Time Report Requested: 03:41:06  
 First Dose M/F: NA / NA  
 Lab: NCTR

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MOUSE(B6C3F1/NCTR)  
 LAST REMOVAL AT 110 WEEKS

DOSE	MALE		
	0% ETH/ 0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/10PPMURE
<b>Skeletal Muscle</b>			
<b>Sarcoma</b>			
<b>TUMOR RATES</b>	#	#	#
OVERALL(a)	1/287 (0%)	0/143 (0%)	1/144 (1%)
POLY-3 RATE (b)	1/227.20	0/111.98	1/109.49
POLY-3 PERCENT (g)	0.4%	0%	0.9%
TERMINAL (d)	0/156 (0%)	0/71 (0%)	0/66 (0%)
FIRST INCIDENCE	473	---	748
HC TUMORS SAME ROUTE	0/0(0%)		
HC TUMORS ALL ROUTES	0/0(0%)		
<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	(n)	(n)	(n)
HISTCONT ALL RTEs	(n)	(n)	(n)
CURR VS HC SAME RTE	(n)		
CURR VS HC ALL RTEs	(n)		

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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS  
Test Compound: Urethane + ethanol (combination)  
CAS Number: URETHCOMB

Date Report Requested: 10/24/2014  
Time Report Requested: 03:41:06  
First Dose M/F: NA / NA  
Lab: NCTR

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MOUSE(B6C3F1/NCTR)  
LAST REMOVAL AT 110 WEEKS

DOSE	MALE		
	0% ETH/ 0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/10PPMURE
<b>Skin</b>			
<b>Basal Cell Adenoma</b>			
<b>TUMOR RATES</b>	#	#	#
OVERALL(a)	3/287 (1%)	1/143 (1%)	2/144 (1%)
POLY-3 RATE (b)	3/226.65	1/111.98	2/109.68
POLY-3 PERCENT (g)	1.3%	0.9%	1.8%
TERMINAL (d)	1/156 (1%)	1/71 (1%)	1/66 (2%)
FIRST INCIDENCE	726	764(T)	691
HC TUMORS SAME ROUTE	0/0(0%)		
HC TUMORS ALL ROUTES	0/0(0%)		
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.491	P=0.575N	P=0.550
POLY 1.5	P=0.496	P=0.573N	P=0.556
POLY 6	P=0.484	P=0.582N	P=0.540
COCH-ARM / FISHERS	P=0.501	P=0.594N	P=0.541
MAX-ISO-POLY-3	P=0.472	P=0.383N	P=0.382
HISTCONT SAME RTE			
HISTCONT ALL RTEs			
CURR VS HC SAME RTE			
CURR VS HC ALL RTEs			

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

**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**  
 Test Compound: Urethane + ethanol (combination)  
 CAS Number: URETHCOMB

Date Report Requested: 10/24/2014  
 Time Report Requested: 03:41:06  
 First Dose M/F: NA / NA  
 Lab: NCTR

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MOUSE(B6C3F1/NCTR)  
 LAST REMOVAL AT 110 WEEKS**

DOSE	MALE		
	0% ETH/ 0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/10PPMURE
<b>Skin</b>			
<b>Basal Cell Carcinoma</b>			
<b>TUMOR RATES</b>	#	#	#
OVERALL(a)	2/287 (1%)	0/143 (0%)	0/144 (0%)
POLY-3 RATE (b)	2/227.45	0/111.98	0/109.42
POLY-3 PERCENT (g)	0.9%	0%	0%
TERMINAL (d)	0/156 (0%)	0/71 (0%)	0/66 (0%)
FIRST INCIDENCE	530	---	---
HC TUMORS SAME ROUTE	0/0(0%)		
HC TUMORS ALL ROUTES	0/0(0%)		
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.203N	P=0.405N	P=0.411N
POLY 1.5	P=0.200N	P=0.403N	P=0.406N
POLY 6	P=0.208N	P=0.410N	P=0.418N
COCH-ARM / FISHERS	P=0.196N	P=0.445N	P=0.443N
MAX-ISO-POLY-3	P=0.235N	P=0.196N	P=0.203N
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**  
 Test Compound: Urethane + ethanol (combination)  
 CAS Number: URETHCOMB

Date Report Requested: 10/24/2014  
 Time Report Requested: 03:41:06  
 First Dose M/F: NA / NA  
 Lab: NCTR

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MOUSE(B6C3F1/NCTR)  
 LAST REMOVAL AT 110 WEEKS**

DOSE	MALE		
	0% ETH/ 0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/10PPMURE
<b>Skin</b>			
<b>Basal Cell Carcinoma or Basosquamous Tumor (malignant or NOS)</b>			
<b>TUMOR RATES</b>	#	#	#
OVERALL(a)	2/287 (1%)	0/143 (0%)	0/144 (0%)
POLY-3 RATE (b)	2/227.45	0/111.98	0/109.42
POLY-3 PERCENT (g)	0.9%	0%	0%
TERMINAL (d)	0/156 (0%)	0/71 (0%)	0/66 (0%)
FIRST INCIDENCE	530	---	---
HC TUMORS SAME ROUTE	0/0(0%)		
HC TUMORS ALL ROUTES	0/0(0%)		
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.203N	P=0.405N	P=0.411N
POLY 1.5	P=0.200N	P=0.403N	P=0.406N
POLY 6	P=0.208N	P=0.410N	P=0.418N
COCH-ARM / FISHERS	P=0.196N	P=0.445N	P=0.443N
MAX-ISO-POLY-3	P=0.235N	P=0.196N	P=0.203N
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**  
 Test Compound: Urethane + ethanol (combination)  
 CAS Number: URETHCOMB

Date Report Requested: 10/24/2014  
 Time Report Requested: 03:41:06  
 First Dose M/F: NA / NA  
 Lab: NCTR

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MOUSE(B6C3F1/NCTR)  
 LAST REMOVAL AT 110 WEEKS**

DOSE	MALE		
	0% ETH/ 0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/10PPMURE
<b>Skin</b>			
<b>Basal Cell Carcinoma, Basal Cell Adenoma, Basosquamous Tumor (benign, malignant or NOS), or Trichoepithelioma</b>			
<b>TUMOR RATES</b>	#	#	#
OVERALL(a)	5/287 (2%)	1/143 (1%)	2/144 (1%)
POLY-3 RATE (b)	5/227.66	1/111.98	2/109.68
POLY-3 PERCENT (g)	2.2%	0.9%	1.8%
TERMINAL (d)	1/156 (1%)	1/71 (1%)	1/66 (2%)
FIRST INCIDENCE	530	764(T)	691
HC TUMORS SAME ROUTE	0/0(0%)		
HC TUMORS ALL ROUTES	0/0(0%)		
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.430N	P=0.338N	P=0.572N
POLY 1.5	P=0.423N	P=0.335N	P=0.563N
POLY 6	P=0.442N	P=0.347N	P=0.584N
COCH-ARM / FISHERS	P=0.414N	P=0.351N	P=0.569N
MAX-ISO-POLY-3	P=0.445N	P=0.231N	P=0.424N
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**  
 Test Compound: Urethane + ethanol (combination)  
 CAS Number: URETHCOMB

Date Report Requested: 10/24/2014  
 Time Report Requested: 03:41:06  
 First Dose M/F: NA / NA  
 Lab: NCTR

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MOUSE(B6C3F1/NCTR)  
 LAST REMOVAL AT 110 WEEKS**

DOSE	MALE		
	0% ETH/ 0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/10PPMURE
<b>Skin</b>			
<b>Basal or Sq. Cell Carcinoma, Carcinoma, Basosq. Tumor (M or B), Basal Cell Adenoma, Adenoma, Papilloma, Sq Papilloma, Keratoacanthoma, Trichoepithelioma</b>			
<b>TUMOR RATES</b>	#	#	#
OVERALL(a)	14/287 (5%)	13/143 (9%)	11/144 (8%)
POLY-3 RATE (b)	14/229.40	13/115.04	11/110.53
POLY-3 PERCENT (g)	6.1%	11.3%	10%
TERMINAL (d)	5/156 (3%)	7/71 (10%)	4/66 (6%)
FIRST INCIDENCE	453	453	662
HC TUMORS SAME ROUTE	0/0(0%)		
HC TUMORS ALL ROUTES	0/0(0%)		
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.092	P=0.068	P=0.147
POLY 1.5	P=0.100	P=0.069	P=0.158
POLY 6	P=0.081	P=0.065	P=0.135
COCH-ARM / FISHERS	P=0.114	P=0.071	P=0.173
MAX-ISO-POLY-3	P=0.126	P=0.070	P=0.140
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS  
Test Compound: Urethane + ethanol (combination)  
CAS Number: URETHCOMB

Date Report Requested: 10/24/2014  
Time Report Requested: 03:41:06  
First Dose M/F: NA / NA  
Lab: NCTR

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MOUSE(B6C3F1/NCTR)  
LAST REMOVAL AT 110 WEEKS

DOSE	MALE		
	0% ETH/ 0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/10PPMURE
<b>Skin</b>			
<b>Fibroma</b>			
<b>TUMOR RATES</b>	#	#	#
OVERALL(a)	11/287 (4%)	6/143 (4%)	5/144 (3%)
POLY-3 RATE (b)	11/226.79	6/112.15	5/109.46
POLY-3 PERCENT (g)	4.9%	5.3%	4.6%
TERMINAL (d)	9/156 (6%)	5/71 (7%)	4/66 (6%)
FIRST INCIDENCE	680	718	754
HC TUMORS SAME ROUTE	0/0(0%)		
HC TUMORS ALL ROUTES	0/0(0%)		
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.529N	P=0.526	P=0.563N
POLY 1.5	P=0.515N	P=0.531	P=0.550N
POLY 6	P=0.550N	P=0.513	P=0.581N
COCH-ARM / FISHERS	P=0.498N	P=0.521	P=0.544N
MAX-ISO-POLY-3	P=0.597N	P=0.432	P=0.461N
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS  
Test Compound: Urethane + ethanol (combination)  
CAS Number: URETHCOMB

Date Report Requested: 10/24/2014  
Time Report Requested: 03:41:06  
First Dose M/F: NA / NA  
Lab: NCTR

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MOUSE(B6C3F1/NCTR)  
LAST REMOVAL AT 110 WEEKS

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DOSE	MALE		
	0% ETH/ 0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/10PPMURE
<b>Skin</b>			
<b>Fibroma, Fibrosarcoma, Sarcoma, Myxoma, Myxosarcoma, or Fibrous Histiocytoma</b>			
<b>TUMOR RATES</b>	#	#	#
OVERALL(a)	75/287 (26%)	32/143 (22%)	41/144 (28%)
POLY-3 RATE (b)	75/239.97	32/118.58	41/119.31
POLY-3 PERCENT (g)	31.3%	27%	34.4%
TERMINAL (d)	38/156 (24%)	16/71 (23%)	12/66 (18%)
FIRST INCIDENCE	432	362	368
HC TUMORS SAME ROUTE	0/0(0%)		
HC TUMORS ALL ROUTES	0/0(0%)		
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.365	P=0.237N	P=0.316
POLY 1.5	P=0.380	P=0.227N	P=0.329
POLY 6	P=0.339	P=0.272N	P=0.297
COCH-ARM / FISHERS	P=0.393	P=0.234N	P=0.342
MAX-ISO-POLY-3	P=0.311	P=0.234N	P=0.302
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

**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**  
 Test Compound: Urethane + ethanol (combination)  
 CAS Number: URETHCOMB

Date Report Requested: 10/24/2014  
 Time Report Requested: 03:41:06  
 First Dose M/F: NA / NA  
 Lab: NCTR

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MOUSE(B6C3F1/NCTR)  
 LAST REMOVAL AT 110 WEEKS**

DOSE	MALE		
	0% ETH/ 0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/10PPMURE
<b>Skin</b>			
<b>Fibrosarcoma, Sarcoma, Myxosarcoma, or Fibrous Histiocytoma</b>			
<b>TUMOR RATES</b>	#	#	#
OVERALL(a)	66/287 (23%)	28/143 (20%)	37/144 (26%)
POLY-3 RATE (b)	66/239.67	28/118.58	37/119.27
POLY-3 PERCENT (g)	27.5%	23.6%	31%
TERMINAL (d)	30/156 (19%)	12/71 (17%)	9/66 (14%)
FIRST INCIDENCE	432	362	368
HC TUMORS SAME ROUTE	0/0(0%)		
HC TUMORS ALL ROUTES	0/0(0%)		
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.330	P=0.251N	P=0.285
POLY 1.5	P=0.342	P=0.242N	P=0.295
POLY 6	P=0.308	P=0.282N	P=0.269
COCH-ARM / FISHERS	P=0.354	P=0.248N	P=0.307
MAX-ISO-POLY-3	P=0.282	P=0.245N	P=0.274
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**  
 Test Compound: Urethane + ethanol (combination)  
 CAS Number: URETHCOMB

Date Report Requested: 10/24/2014  
 Time Report Requested: 03:41:06  
 First Dose M/F: NA / NA  
 Lab: NCTR

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MOUSE(B6C3F1/NCTR)  
 LAST REMOVAL AT 110 WEEKS**

DOSE	MALE		
	0% ETH/ 0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/10PPMURE
<b>Skin</b>			
<b>Hemangioma</b>			
<b>TUMOR RATES</b>	#	#	#
OVERALL(a)	2/287 (1%)	0/143 (0%)	0/144 (0%)
POLY-3 RATE (b)	2/226.44	0/111.98	0/109.42
POLY-3 PERCENT (g)	0.9%	0%	0%
TERMINAL (d)	2/156 (1%)	0/71 (0%)	0/66 (0%)
FIRST INCIDENCE	764(T)	---	---
HC TUMORS SAME ROUTE	0/0(0%)		
HC TUMORS ALL ROUTES	0/0(0%)		
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.203N	P=0.404N	P=0.410N
POLY 1.5	P=0.200N	P=0.402N	P=0.406N
POLY 6	P=0.207N	P=0.408N	P=0.416N
COCH-ARM / FISHERS	P=0.196N	P=0.445N	P=0.443N
MAX-ISO-POLY-3	P=0.233N	P=0.195N	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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS  
Test Compound: Urethane + ethanol (combination)  
CAS Number: URETHCOMB

Date Report Requested: 10/24/2014  
Time Report Requested: 03:41:06  
First Dose M/F: NA / NA  
Lab: NCTR

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MOUSE(B6C3F1/NCTR)  
LAST REMOVAL AT 110 WEEKS

DOSE	MALE		
	0% ETH/ 0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/10PPMURE
<b>Skin</b>			
<b>Hemangiosarcoma</b>			
<b>TUMOR RATES</b>	#	#	#
OVERALL(a)	3/287 (1%)	5/143 (3%)	1/144 (1%)
POLY-3 RATE (b)	3/227.48	5/112.30	1/109.88
POLY-3 PERCENT (g)	1.3%	4.5%	0.9%
TERMINAL (d)	1/156 (1%)	3/71 (4%)	0/66 (0%)
FIRST INCIDENCE	576	710	623
HC TUMORS SAME ROUTE	0/0(0%)		
HC TUMORS ALL ROUTES	0/0(0%)		
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.516	P=0.079	P=0.583N
POLY 1.5	P=0.527	P=0.080	P=0.577N
POLY 6	P=0.500	P=0.075	P=0.592N
COCH-ARM / FISHERS	P=0.542	P=0.085	P=0.591N
MAX-ISO-POLY-3	P=0.314N	P=0.061	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

**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**  
 Test Compound: Urethane + ethanol (combination)  
 CAS Number: URETHCOMB

Date Report Requested: 10/24/2014  
 Time Report Requested: 03:41:06  
 First Dose M/F: NA / NA  
 Lab: NCTR

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MOUSE(B6C3F1/NCTR)  
 LAST REMOVAL AT 110 WEEKS**

DOSE	MALE		
	0% ETH/ 0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/10PPMURE
<b>Skin</b>			
<b>Sarcoma</b>			
<b>TUMOR RATES</b>	#	#	#
OVERALL(a)	66/287 (23%)	28/143 (20%)	37/144 (26%)
POLY-3 RATE (b)	66/239.67	28/118.58	37/119.27
POLY-3 PERCENT (g)	27.5%	23.6%	31%
TERMINAL (d)	30/156 (19%)	12/71 (17%)	9/66 (14%)
FIRST INCIDENCE	432	362	368
HC TUMORS SAME ROUTE	0/0(0%)		
HC TUMORS ALL ROUTES	0/0(0%)		
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.330	P=0.251N	P=0.285
POLY 1.5	P=0.342	P=0.242N	P=0.295
POLY 6	P=0.308	P=0.282N	P=0.269
COCH-ARM / FISHERS	P=0.354	P=0.248N	P=0.307
MAX-ISO-POLY-3	P=0.282	P=0.245N	P=0.274
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**  
 Test Compound: Urethane + ethanol (combination)  
 CAS Number: URETHCOMB

Date Report Requested: 10/24/2014  
 Time Report Requested: 03:41:06  
 First Dose M/F: NA / NA  
 Lab: NCTR

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MOUSE(B6C3F1/NCTR)  
 LAST REMOVAL AT 110 WEEKS**

DOSE	MALE		
	0% ETH/ 0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/10PPMURE
<b>Skin</b>			
<b>Squamous Cell Carcinoma</b>			
<b>TUMOR RATES</b>	#	#	#
OVERALL(a)	3/287 (1%)	7/143 (5%)	1/144 (1%)
POLY-3 RATE (b)	3/227.00	7/114.25	1/109.47
POLY-3 PERCENT (g)	1.3%	6.1%	0.9%
TERMINAL (d)	2/156 (1%)	2/71 (3%)	0/66 (0%)
FIRST INCIDENCE	580	524	753
HC TUMORS SAME ROUTE	0/0(0%)		
HC TUMORS ALL ROUTES	0/0(0%)		
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.431	P=0.015*	P=0.584N
POLY 1.5	P=0.445	P=0.015*	P=0.577N
POLY 6	P=0.410	P=0.015*	P=0.593N
COCH-ARM / FISHERS	P=0.465	P=0.018*	P=0.591N
MAX-ISO-POLY-3	P=0.198	P=0.015*	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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS  
 Test Compound: Urethane + ethanol (combination)  
 CAS Number: URETHCOMB

Date Report Requested: 10/24/2014  
 Time Report Requested: 03:41:06  
 First Dose M/F: NA / NA  
 Lab: NCTR

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MOUSE(B6C3F1/NCTR)  
 LAST REMOVAL AT 110 WEEKS

DOSE	MALE		
	0% ETH/ 0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/10PPMURE
<b>Skin</b>			
<b>Squamous Cell Carcinoma, Basal Cell Carcinoma, Basosquamous Tumor (malignant or NOS), or Carcinoma</b>			
<b>TUMOR RATES</b>	#	#	#
OVERALL(a)	5/287 (2%)	7/143 (5%)	1/144 (1%)
POLY-3 RATE (b)	5/228.02	7/114.25	1/109.47
POLY-3 PERCENT (g)	2.2%	6.1%	0.9%
TERMINAL (d)	2/156 (1%)	2/71 (3%)	0/66 (0%)
FIRST INCIDENCE	530	524	753
HC TUMORS SAME ROUTE	0/0(0%)		
HC TUMORS ALL ROUTES	0/0(0%)		
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.505N	P=0.059	P=0.349N
POLY 1.5	P=0.487N	P=0.059	P=0.340N
POLY 6	P=0.530N	P=0.057	P=0.360N
COCH-ARM / FISHERS	P=0.465N	P=0.063	P=0.348N
MAX-ISO-POLY-3	P=0.179N	P=0.052	P=0.240N
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**  
 Test Compound: Urethane + ethanol (combination)  
 CAS Number: URETHCOMB

Date Report Requested: 10/24/2014  
 Time Report Requested: 03:41:06  
 First Dose M/F: NA / NA  
 Lab: NCTR

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MOUSE(B6C3F1/NCTR)  
 LAST REMOVAL AT 110 WEEKS**

DOSE	MALE		
	0% ETH/ 0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/10PPMURE
<b>Skin</b>			
<b>Squamous Cell Papilloma</b>			
<b>TUMOR RATES</b>	#	#	#
OVERALL(a)	7/287 (2%)	5/143 (3%)	8/144 (6%)
POLY-3 RATE (b)	7/227.96	5/112.77	8/110.22
POLY-3 PERCENT (g)	3.1%	4.4%	7.3%
TERMINAL (d)	2/156 (1%)	4/71 (6%)	3/66 (5%)
FIRST INCIDENCE	453	453	662
HC TUMORS SAME ROUTE	0/0(0%)		
HC TUMORS ALL ROUTES	0/0(0%)		
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.058	P=0.371	P=0.071
POLY 1.5	P=0.061	P=0.375	P=0.076
POLY 6	P=0.053	P=0.359	P=0.066
COCH-ARM / FISHERS	P=0.066	P=0.365	P=0.086
MAX-ISO-POLY-3	P=0.078	P=0.290	P=0.067
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS  
 Test Compound: Urethane + ethanol (combination)  
 CAS Number: URETHCOMB

Date Report Requested: 10/24/2014  
 Time Report Requested: 03:41:06  
 First Dose M/F: NA / NA  
 Lab: NCTR

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MOUSE(B6C3F1/NCTR)  
 LAST REMOVAL AT 110 WEEKS

DOSE	MALE		
	0% ETH/ 0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/10PPMURE
<b>Skin</b>			
<b>Squamous Cell Papilloma or Papilloma</b>			
<b>TUMOR RATES</b>	#	#	#
OVERALL(a)	7/287 (2%)	5/143 (3%)	8/144 (6%)
POLY-3 RATE (b)	7/227.96	5/112.77	8/110.22
POLY-3 PERCENT (g)	3.1%	4.4%	7.3%
TERMINAL (d)	2/156 (1%)	4/71 (6%)	3/66 (5%)
FIRST INCIDENCE	453	453	662
HC TUMORS SAME ROUTE	0/0(0%)		
HC TUMORS ALL ROUTES	0/0(0%)		
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.058	P=0.371	P=0.071
POLY 1.5	P=0.061	P=0.375	P=0.076
POLY 6	P=0.053	P=0.359	P=0.066
COCH-ARM / FISHERS	P=0.066	P=0.365	P=0.086
MAX-ISO-POLY-3	P=0.078	P=0.290	P=0.067
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS  
Test Compound: Urethane + ethanol (combination)  
CAS Number: URETHCOMB

Date Report Requested: 10/24/2014  
Time Report Requested: 03:41:06  
First Dose M/F: NA / NA  
Lab: NCTR

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MOUSE(B6C3F1/NCTR)  
LAST REMOVAL AT 110 WEEKS

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DOSE	MALE		
	0% ETH/ 0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/10PPMURE
<b>Skin</b>			
<b>Squamous Cell Papilloma, Papilloma, Squamous Cell Carcinoma or Keratoacanthoma</b>			
<b>TUMOR RATES</b>	#	#	#
OVERALL(a)	10/287 (3%)	12/143 (8%)	9/144 (6%)
POLY-3 RATE (b)	10/228.52	12/115.04	9/110.27
POLY-3 PERCENT (g)	4.4%	10.4%	8.2%
TERMINAL (d)	4/156 (3%)	6/71 (8%)	3/66 (5%)
FIRST INCIDENCE	453	453	662
HC TUMORS SAME ROUTE	0/0(0%)		
HC TUMORS ALL ROUTES	0/0(0%)		
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.067	P=0.026*	P=0.123
POLY 1.5	P=0.073	P=0.026*	P=0.130
POLY 6	P=0.059	P=0.025*	P=0.113
COCH-ARM / FISHERS	P=0.083	P=0.029*	P=0.143
MAX-ISO-POLY-3	P=0.090	P=0.030*	P=0.114
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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS  
 Test Compound: Urethane + ethanol (combination)  
 CAS Number: URETHCOMB

Date Report Requested: 10/24/2014  
 Time Report Requested: 03:41:06  
 First Dose M/F: NA / NA  
 Lab: NCTR

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MOUSE(B6C3F1/NCTR)  
 LAST REMOVAL AT 110 WEEKS

DOSE	MALE		
	0% ETH/ 0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/10PPMURE
<b>Skin</b>			
<b>Squamous Cell Papilloma, Papilloma, or Keratoacanthoma</b>			
<b>TUMOR RATES</b>	#	#	#
OVERALL(a)	7/287 (2%)	5/143 (3%)	8/144 (6%)
POLY-3 RATE (b)	7/227.96	5/112.77	8/110.22
POLY-3 PERCENT (g)	3.1%	4.4%	7.3%
TERMINAL (d)	2/156 (1%)	4/71 (6%)	3/66 (5%)
FIRST INCIDENCE	453	453	662
HC TUMORS SAME ROUTE	0/0(0%)		
HC TUMORS ALL ROUTES	0/0(0%)		
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.058	P=0.371	P=0.071
POLY 1.5	P=0.061	P=0.375	P=0.076
POLY 6	P=0.053	P=0.359	P=0.066
COCH-ARM / FISHERS	P=0.066	P=0.365	P=0.086
MAX-ISO-POLY-3	P=0.078	P=0.290	P=0.067
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**  
 Test Compound: Urethane + ethanol (combination)  
 CAS Number: URETHCOMB

Date Report Requested: 10/24/2014  
 Time Report Requested: 03:41:06  
 First Dose M/F: NA / NA  
 Lab: NCTR

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MOUSE(B6C3F1/NCTR)  
 LAST REMOVAL AT 110 WEEKS**

DOSE	MALE		
	0% ETH/ 0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/10PPMURE
<b>Spleen</b>			
<b>Hemangioma</b>			
<b>TUMOR RATES</b>			
OVERALL(a)	2/271 (1%)	1/138 (1%)	0/137 (0%)
POLY-3 RATE (b)	2/221.94	1/109.93	0/106.78
POLY-3 PERCENT (g)	0.9%	0.9%	0%
TERMINAL (d)	1/156 (1%)	1/71 (1%)	0/66 (0%)
FIRST INCIDENCE	483	764(T)	---
HC TUMORS SAME ROUTE	0/0(0%)		
HC TUMORS ALL ROUTES	0/0(0%)		
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.314N	P=0.727	P=0.411N
POLY 1.5	P=0.308N	P=0.729N	P=0.406N
POLY 6	P=0.323N	P=0.722	P=0.417N
COCH-ARM / FISHERS	P=0.297N	P=0.710	P=0.441N
MAX-ISO-POLY-3	P=0.301N	P=0.498	P=0.203N
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS  
Test Compound: Urethane + ethanol (combination)  
CAS Number: URETHCOMB

Date Report Requested: 10/24/2014  
Time Report Requested: 03:41:06  
First Dose M/F: NA / NA  
Lab: NCTR

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MOUSE(B6C3F1/NCTR)  
LAST REMOVAL AT 110 WEEKS

DOSE	MALE		
	0% ETH/ 0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/10PPMURE
<b>Spleen</b>			
<b>Hemangiosarcoma</b>			
<b>TUMOR RATES</b>			
OVERALL(a)	11/271 (4%)	4/138 (3%)	2/137 (1%)
POLY-3 RATE (b)	11/222.69	4/110.79	2/106.82
POLY-3 PERCENT (g)	4.9%	3.6%	1.9%
TERMINAL (d)	4/156 (3%)	1/71 (1%)	1/66 (2%)
FIRST INCIDENCE	548	552	753
HC TUMORS SAME ROUTE	0/0(0%)		
HC TUMORS ALL ROUTES	0/0(0%)		
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.116N	P=0.394N	P=0.152N
POLY 1.5	P=0.109N	P=0.388N	P=0.144N
POLY 6	P=0.125N	P=0.406N	P=0.163N
COCH-ARM / FISHERS	P=0.099N	P=0.388N	P=0.131N
MAX-ISO-POLY-3	P=0.160N	P=0.318N	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

**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**  
 Test Compound: Urethane + ethanol (combination)  
 CAS Number: URETHCOMB

Date Report Requested: 10/24/2014  
 Time Report Requested: 03:41:06  
 First Dose M/F: NA / NA  
 Lab: NCTR

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MOUSE(B6C3F1/NCTR)  
 LAST REMOVAL AT 110 WEEKS**

DOSE	MALE		
	0% ETH/ 0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/10PPMURE
<b>Stomach, Forestomach</b>			
<b>Hemangiosarcoma</b>			
<b>TUMOR RATES</b>	#	#	#
OVERALL(a)	2/287 (1%)	0/143 (0%)	0/144 (0%)
POLY-3 RATE (b)	2/227.30	0/111.98	0/109.42
POLY-3 PERCENT (g)	0.9%	0%	0%
TERMINAL (d)	0/156 (0%)	0/71 (0%)	0/66 (0%)
FIRST INCIDENCE	493	---	---
HC TUMORS SAME ROUTE	0/0(0%)		
HC TUMORS ALL ROUTES	0/0(0%)		
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.203N	P=0.405N	P=0.411N
POLY 1.5	P=0.200N	P=0.403N	P=0.406N
POLY 6	P=0.208N	P=0.410N	P=0.417N
COCH-ARM / FISHERS	P=0.196N	P=0.445N	P=0.443N
MAX-ISO-POLY-3	P=0.234N	P=0.196N	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

**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**  
 Test Compound: Urethane + ethanol (combination)  
 CAS Number: URETHCOMB

Date Report Requested: 10/24/2014  
 Time Report Requested: 03:41:06  
 First Dose M/F: NA / NA  
 Lab: NCTR

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MOUSE(B6C3F1/NCTR)  
 LAST REMOVAL AT 110 WEEKS**

DOSE	MALE		
	0% ETH/ 0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/10PPMURE
<b>Stomach, Forestomach</b>			
<b>Squamous Cell Carcinoma</b>			
<b>TUMOR RATES</b>	#	#	#
OVERALL(a)	4/287 (1%)	2/143 (1%)	3/144 (2%)
POLY-3 RATE (b)	4/227.55	2/111.98	3/109.43
POLY-3 PERCENT (g)	1.8%	1.8%	2.7%
TERMINAL (d)	1/156 (1%)	2/71 (3%)	2/66 (3%)
FIRST INCIDENCE	537	764(T)	763
HC TUMORS SAME ROUTE	0/0(0%)		
HC TUMORS ALL ROUTES	0/0(0%)		
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.366	P=0.662	P=0.427
POLY 1.5	P=0.373	P=0.665	P=0.436
POLY 6	P=0.354	P=0.654	P=0.414
COCH-ARM / FISHERS	P=0.382	P=0.649	P=0.431
MAX-ISO-POLY-3	P=0.423	P=0.494	P=0.307
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS  
 Test Compound: Urethane + ethanol (combination)  
 CAS Number: URETHCOMB

Date Report Requested: 10/24/2014  
 Time Report Requested: 03:41:06  
 First Dose M/F: NA / NA  
 Lab: NCTR

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MOUSE(B6C3F1/NCTR)  
 LAST REMOVAL AT 110 WEEKS

DOSE	MALE		
	0% ETH/ 0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/10PPMURE
<b>Stomach, Forestomach</b>			
<b>Squamous Cell Carcinoma or Papilloma Squamous</b>			
<b>TUMOR RATES</b>	#	#	#
OVERALL(a)	13/287 (5%)	8/143 (6%)	11/144 (8%)
POLY-3 RATE (b)	13/228.73	8/112.83	11/110.23
POLY-3 PERCENT (g)	5.7%	7.1%	10%
TERMINAL (d)	6/156 (4%)	6/71 (8%)	6/66 (9%)
FIRST INCIDENCE	537	523	614
HC TUMORS SAME ROUTE	0/0(0%)		
HC TUMORS ALL ROUTES	0/0(0%)		
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.097	P=0.394	P=0.112
POLY 1.5	P=0.105	P=0.400	P=0.121
POLY 6	P=0.086	P=0.377	P=0.101
COCH-ARM / FISHERS	P=0.115	P=0.395	P=0.135
MAX-ISO-POLY-3	P=0.133	P=0.330	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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS  
 Test Compound: Urethane + ethanol (combination)  
 CAS Number: URETHCOMB

Date Report Requested: 10/24/2014  
 Time Report Requested: 03:41:06  
 First Dose M/F: NA / NA  
 Lab: NCTR

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MOUSE(B6C3F1/NCTR)  
 LAST REMOVAL AT 110 WEEKS

DOSE	MALE		
	0% ETH/ 0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/10PPMURE
<b>Stomach, Forestomach</b>			
<b>Squamous Cell Papilloma</b>			
<b>TUMOR RATES</b>	#	#	#
OVERALL(a)	9/287 (3%)	7/143 (5%)	10/144 (7%)
POLY-3 RATE (b)	9/227.62	7/112.83	10/110.22
POLY-3 PERCENT (g)	4%	6.2%	9.1%
TERMINAL (d)	5/156 (3%)	5/71 (7%)	6/66 (9%)
FIRST INCIDENCE	646	523	614
HC TUMORS SAME ROUTE	0/0(0%)		
HC TUMORS ALL ROUTES	0/0(0%)		
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.038*	P=0.257	P=0.048*
POLY 1.5	P=0.041*	P=0.261	P=0.052
POLY 6	P=0.034*	P=0.246	P=0.043*
COCH-ARM / FISHERS	P=0.046*	P=0.257	P=0.061
MAX-ISO-POLY-3	P=0.050*	P=0.213	P=0.051
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**  
 Test Compound: Urethane + ethanol (combination)  
 CAS Number: URETHCOMB

Date Report Requested: 10/24/2014  
 Time Report Requested: 03:41:06  
 First Dose M/F: NA / NA  
 Lab: NCTR

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MOUSE(B6C3F1/NCTR)  
 LAST REMOVAL AT 110 WEEKS**

DOSE	MALE		
	0% ETH/ 0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/10PPMURE
<b>Stomach, Glandular Carcinoma or Adenoma</b>			
<b>TUMOR RATES</b>	#	#	#
OVERALL(a)	2/287 (1%)	1/143 (1%)	0/144 (0%)
POLY-3 RATE (b)	2/226.51	1/111.98	0/109.42
POLY-3 PERCENT (g)	0.9%	0.9%	0%
TERMINAL (d)	1/156 (1%)	1/71 (1%)	0/66 (0%)
FIRST INCIDENCE	746	764(T)	---
HC TUMORS SAME ROUTE	0/0(0%)		
HC TUMORS ALL ROUTES	0/0(0%)		
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.313N	P=0.727	P=0.410N
POLY 1.5	P=0.308N	P=0.729	P=0.406N
POLY 6	P=0.322N	P=0.723	P=0.416N
COCH-ARM / FISHERS	P=0.300N	P=0.704	P=0.443N
MAX-ISO-POLY-3	P=0.300N	P=0.497	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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS  
 Test Compound: Urethane + ethanol (combination)  
 CAS Number: URETHCOMB

Date Report Requested: 10/24/2014  
 Time Report Requested: 03:41:06  
 First Dose M/F: NA / NA  
 Lab: NCTR

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MOUSE(B6C3F1/NCTR)  
 LAST REMOVAL AT 110 WEEKS

DOSE	MALE		
	0% ETH/ 0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/10PPMURE
<b>Thymus</b>			
<b>Thymoma Benign</b>			
<b>TUMOR RATES</b>			
OVERALL(a)	0/192 (0%)	0/92 (0%)	2/100 (2%)
POLY-3 RATE (b)	0/156.33	0/72.95	2/76.66
POLY-3 PERCENT (g)	0%	0%	2.6%
TERMINAL (d)	0/112 (0%)	0/46 (0%)	1/48 (2%)
FIRST INCIDENCE	---	---	368
HC TUMORS SAME ROUTE	0/0(0%)		
HC TUMORS ALL ROUTES	0/0(0%)		
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.046*	(e)	P=0.103
POLY 1.5	P=0.046*	(e)	P=0.105
POLY 6	P=0.045*	(e)	P=0.100
COCH-ARM / FISHERS	P=0.047*	(e)	P=0.117
MAX-ISO-POLY-3	P=0.031*	(e)	P=0.043*
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS  
Test Compound: Urethane + ethanol (combination)  
CAS Number: URETHCOMB

Date Report Requested: 10/24/2014  
Time Report Requested: 03:41:06  
First Dose M/F: NA / NA  
Lab: NCTR

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MOUSE(B6C3F1/NCTR)  
LAST REMOVAL AT 110 WEEKS

DOSE	MALE		
	0% ETH/ 0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/10PPMURE
<b>Thyroid Gland: Follicular Cell</b>			
<b>Adenoma</b>			
<b>TUMOR RATES</b>	#	#	#
OVERALL(a)	6/274 (2%)	5/141 (4%)	0/142 (0%)
POLY-3 RATE (b)	6/221.42	5/111.90	0/107.99
POLY-3 PERCENT (g)	2.7%	4.5%	0%
TERMINAL (d)	5/153 (3%)	4/71 (6%)	0/65 (0%)
FIRST INCIDENCE	664	628	---
HC TUMORS SAME ROUTE	0/0(0%)		
HC TUMORS ALL ROUTES	0/0(0%)		
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.172N	P=0.301	P=0.101N
POLY 1.5	P=0.161N	P=0.306	P=0.096N
POLY 6	P=0.186N	P=0.291	P=0.107N
COCH-ARM / FISHERS	P=0.145N	P=0.303	P=0.080N
MAX-ISO-POLY-3	P=0.085N	P=0.232	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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS  
 Test Compound: Urethane + ethanol (combination)  
 CAS Number: URETHCOMB

Date Report Requested: 10/24/2014  
 Time Report Requested: 03:41:06  
 First Dose M/F: NA / NA  
 Lab: NCTR

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MOUSE(B6C3F1/NCTR)  
 LAST REMOVAL AT 110 WEEKS

DOSE	MALE		
	0% ETH/ 0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/10PPMURE
<b>Thyroid Gland: Follicular Cell Carcinoma or Adenoma</b>			
<b>TUMOR RATES</b>	#	#	#
OVERALL(a)	6/274 (2%)	5/141 (4%)	0/142 (0%)
POLY-3 RATE (b)	6/221.42	5/111.90	0/107.99
POLY-3 PERCENT (g)	2.7%	4.5%	0%
TERMINAL (d)	5/153 (3%)	4/71 (6%)	0/65 (0%)
FIRST INCIDENCE	664	628	---
HC TUMORS SAME ROUTE	0/0(0%)		
HC TUMORS ALL ROUTES	0/0(0%)		
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.172N	P=0.301	P=0.101N
POLY 1.5	P=0.161N	P=0.306	P=0.096N
POLY 6	P=0.186N	P=0.291	P=0.107N
COCH-ARM / FISHERS	P=0.145N	P=0.303	P=0.080N
MAX-ISO-POLY-3	P=0.085N	P=0.232	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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS  
Test Compound: Urethane + ethanol (combination)  
CAS Number: URETHCOMB

Date Report Requested: 10/24/2014  
Time Report Requested: 03:41:06  
First Dose M/F: NA / NA  
Lab: NCTR

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MOUSE(B6C3F1/NCTR)  
LAST REMOVAL AT 110 WEEKS

DOSE	MALE		
	0% ETH/ 0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/10PPMURE
<b>Tissue NOS</b>			
<b>Sarcoma</b>			
<b>TUMOR 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	---	---	---
HC TUMORS SAME ROUTE	0/0(0%)		
HC TUMORS ALL ROUTES	0/0(0%)		
<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	(n)	(n)	(n)
HISTCONT ALL RTEs	(n)	(n)	(n)
CURR VS HC SAME RTE	(n)		
CURR VS HC ALL RTEs	(n)		

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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS  
 Test Compound: Urethane + ethanol (combination)  
 CAS Number: URETHCOMB

Date Report Requested: 10/24/2014  
 Time Report Requested: 03:41:06  
 First Dose M/F: NA / NA  
 Lab: NCTR

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MOUSE(B6C3F1/NCTR)  
 LAST REMOVAL AT 110 WEEKS

DOSE	MALE		
	0% ETH/ 0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/10PPMURE
<b>Tongue</b>			
<b>Squamous Cell Carcinoma</b>			
<b>TUMOR RATES</b>	#	#	#
OVERALL(a)	0/287 (0%)	0/143 (0%)	2/144 (1%)
POLY-3 RATE (b)	0/226.44	0/111.98	2/109.62
POLY-3 PERCENT (g)	0%	0%	1.8%
TERMINAL (d)	0/156 (0%)	0/71 (0%)	1/66 (2%)
FIRST INCIDENCE	---	---	710
HC TUMORS SAME ROUTE	0/0(0%)		
HC TUMORS ALL ROUTES	0/0(0%)		
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.044*	(e)	P=0.101
POLY 1.5	P=0.044*	(e)	P=0.103
POLY 6	P=0.043*	(e)	P=0.098
COCH-ARM / FISHERS	P=0.044*	(e)	P=0.111
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

**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**  
 Test Compound: Urethane + ethanol (combination)  
 CAS Number: URETHCOMB

Date Report Requested: 10/24/2014  
 Time Report Requested: 03:41:06  
 First Dose M/F: NA / NA  
 Lab: NCTR

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MOUSE(B6C3F1/NCTR)  
 LAST REMOVAL AT 110 WEEKS**

DOSE	MALE		
	0% ETH/ 0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/10PPMURE
<b>Urinary Bladder</b>			
<b>Hemangioma</b>			
<b>TUMOR RATES</b>			
OVERALL(a)	2/273 (1%)	0/137 (0%)	1/140 (1%)
POLY-3 RATE (b)	2/222.31	0/108.14	1/107.54
POLY-3 PERCENT (g)	0.9%	0%	0.9%
TERMINAL (d)	2/156 (1%)	0/70 (0%)	1/66 (2%)
FIRST INCIDENCE	764(T)	---	764(T)
HC TUMORS SAME ROUTE	0/0(0%)		
HC TUMORS ALL ROUTES	0/0(0%)		
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.577N	P=0.408N	P=0.721
POLY 1.5	P=0.571N	P=0.405N	P=0.727
POLY 6	P=0.585N	P=0.414N	P=0.712
COCH-ARM / FISHERS	P=0.562N	P=0.443N	P=0.712
MAX-ISO-POLY-3	P=0.485N	P=0.200N	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

**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**  
 Test Compound: Urethane + ethanol (combination)  
 CAS Number: URETHCOMB

Date Report Requested: 10/24/2014  
 Time Report Requested: 03:41:06  
 First Dose M/F: NA / NA  
 Lab: NCTR

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MOUSE(B6C3F1/NCTR)  
 LAST REMOVAL AT 110 WEEKS**

DOSE	MALE		
	0% ETH/ 0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/10PPMURE
<b>All Organs</b>			
<b>Benign Tumors</b>			
<b>TUMOR RATES</b>	#	#	#
OVERALL(a)	189/287 (66%)	116/143 (81%)	101/144 (70%)
POLY-3 RATE (b)	189/255.49	116/129.62	101/124.60
POLY-3 PERCENT (g)	74%	89.5%	81.1%
TERMINAL (d)	112/156 (72%)	65/71 (92%)	56/66 (85%)
FIRST INCIDENCE	293	395	355
HC TUMORS SAME ROUTE	0/0(0%)		
HC TUMORS ALL ROUTES	0/0(0%)		
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.011*	P=0.000**	P=0.071
POLY 1.5	P=0.025*	P=0.000**	P=0.116
POLY 6	P=0.004**	P=0.000**	P=0.035*
COCH-ARM / FISHERS	P=0.081	P<0.001**	P=0.217
MAX-ISO-POLY-3	P=0.011*	P=0.000**	P=0.085
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS  
Test Compound: Urethane + ethanol (combination)  
CAS Number: URETHCOMB

Date Report Requested: 10/24/2014  
Time Report Requested: 03:41:06  
First Dose M/F: NA / NA  
Lab: NCTR

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MOUSE(B6C3F1/NCTR)  
LAST REMOVAL AT 110 WEEKS

DOSE	MALE		
	0% ETH/ 0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/10PPMURE
<b>All Organs</b>			
<b>Hemangioma</b>			
<b>TUMOR RATES</b>	#	#	#
OVERALL(a)	10/287 (3%)	7/143 (5%)	7/144 (5%)
POLY-3 RATE (b)	10/227.44	7/112.84	7/109.49
POLY-3 PERCENT (g)	4.4%	6.2%	6.4%
TERMINAL (d)	6/156 (4%)	4/71 (6%)	6/66 (9%)
FIRST INCIDENCE	483	620	748
HC TUMORS SAME ROUTE	0/0(0%)		
HC TUMORS ALL ROUTES	0/0(0%)		
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.239	P=0.324	P=0.303
POLY 1.5	P=0.251	P=0.327	P=0.316
POLY 6	P=0.223	P=0.315	P=0.286
COCH-ARM / FISHERS	P=0.267	P=0.321	P=0.326
MAX-ISO-POLY-3	P=0.334	P=0.267	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

**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**  
 Test Compound: Urethane + ethanol (combination)  
 CAS Number: URETHCOMB

Date Report Requested: 10/24/2014  
 Time Report Requested: 03:41:06  
 First Dose M/F: NA / NA  
 Lab: NCTR

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MOUSE(B6C3F1/NCTR)  
 LAST REMOVAL AT 110 WEEKS**

DOSE	MALE		
	0% ETH/ 0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/10PPMURE
<b>All Organs</b>			
<b>Hemangiosarcoma</b>			
<b>TUMOR RATES</b>	#	#	#
OVERALL(a)	40/287 (14%)	35/143 (24%)	26/144 (18%)
POLY-3 RATE (b)	40/233.86	35/116.90	26/112.92
POLY-3 PERCENT (g)	17.1%	29.9%	23%
TERMINAL (d)	15/156 (10%)	17/71 (24%)	13/66 (20%)
FIRST INCIDENCE	453	488	507
HC TUMORS SAME ROUTE	0/0(0%)		
HC TUMORS ALL ROUTES	0/0(0%)		
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.049*	P=0.004**	P=0.120
POLY 1.5	P=0.059	P=0.004**	P=0.137
POLY 6	P=0.037*	P=0.003**	P=0.102
COCH-ARM / FISHERS	P=0.080	P=0.006**	P=0.164
MAX-ISO-POLY-3	P=0.057	P=0.008**	P=0.130
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**  
 Test Compound: Urethane + ethanol (combination)  
 CAS Number: URETHCOMB

Date Report Requested: 10/24/2014  
 Time Report Requested: 03:41:06  
 First Dose M/F: NA / NA  
 Lab: NCTR

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MOUSE(B6C3F1/NCTR)  
 LAST REMOVAL AT 110 WEEKS**

DOSE	MALE		
	0% ETH/ 0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/10PPMURE
<b>All Organs</b>			
<b>Hemangiosarcoma or Hemangioma</b>			
<b>TUMOR RATES</b>	#	#	#
OVERALL(a)	48/287 (17%)	38/143 (27%)	32/144 (22%)
POLY-3 RATE (b)	48/234.76	38/117.10	32/112.98
POLY-3 PERCENT (g)	20.4%	32.5%	28.3%
TERMINAL (d)	21/156 (13%)	19/71 (27%)	18/66 (27%)
FIRST INCIDENCE	453	488	507
HC TUMORS SAME ROUTE	0/0(0%)		
HC TUMORS ALL ROUTES	0/0(0%)		
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.028*	P=0.009**	P=0.066
POLY 1.5	P=0.037*	P=0.010**	P=0.080
POLY 6	P=0.020*	P=0.007**	P=0.052
COCH-ARM / FISHERS	P=0.054	P=0.012*	P=0.106
MAX-ISO-POLY-3	P=0.037*	P=0.015*	P=0.080
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS  
 Test Compound: Urethane + ethanol (combination)  
 CAS Number: URETHCOMB

Date Report Requested: 10/24/2014  
 Time Report Requested: 03:41:06  
 First Dose M/F: NA / NA  
 Lab: NCTR

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MOUSE(B6C3F1/NCTR)  
 LAST REMOVAL AT 110 WEEKS

DOSE	MALE		
	0% ETH/ 0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/10PPMURE
<b>All Organs</b>			
<b>Histiocytic Sarcoma</b>			
<b>TUMOR RATES</b>	#	#	#
OVERALL(a)	17/287 (6%)	16/143 (11%)	9/144 (6%)
POLY-3 RATE (b)	17/229.89	16/115.79	9/111.86
POLY-3 PERCENT (g)	7.4%	13.8%	8%
TERMINAL (d)	5/156 (3%)	5/71 (7%)	2/66 (3%)
FIRST INCIDENCE	515	514	577
HC TUMORS SAME ROUTE	0/0(0%)		
HC TUMORS ALL ROUTES	0/0(0%)		
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.316	P=0.041*	P=0.502
POLY 1.5	P=0.331	P=0.041*	P=0.514
POLY 6	P=0.296	P=0.040*	P=0.485
COCH-ARM / FISHERS	P=0.352	P=0.043*	P=0.523
MAX-ISO-POLY-3	P=0.249	P=0.047*	P=0.428
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**  
 Test Compound: Urethane + ethanol (combination)  
 CAS Number: URETHCOMB

Date Report Requested: 10/24/2014  
 Time Report Requested: 03:41:06  
 First Dose M/F: NA / NA  
 Lab: NCTR

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MOUSE(B6C3F1/NCTR)  
 LAST REMOVAL AT 110 WEEKS**

DOSE	MALE		
	0% ETH/ 0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/10PPMURE
<b>All Organs</b>			
<b>Malignant Lymphoma: Histiocytic, Lymphocytic, Mixed, NOS, or Undifferentiated Cell Type</b>			
<b>TUMOR RATES</b>	#	#	#
OVERALL(a)	49/287 (17%)	23/143 (16%)	32/144 (22%)
POLY-3 RATE (b)	49/230.28	23/114.09	32/113.22
POLY-3 PERCENT (g)	21.3%	20.2%	28.3%
TERMINAL (d)	38/156 (24%)	18/71 (25%)	21/66 (32%)
FIRST INCIDENCE	410	588	296
HC TUMORS SAME ROUTE	0/0(0%)		
HC TUMORS ALL ROUTES	0/0(0%)		
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.109	P=0.460N	P=0.095
POLY 1.5	P=0.121	P=0.453N	P=0.107
POLY 6	P=0.092	P=0.483N	P=0.080
COCH-ARM / FISHERS	P=0.136	P=0.456N	P=0.124
MAX-ISO-POLY-3	P=0.126	P=0.417N	P=0.107
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS  
 Test Compound: Urethane + ethanol (combination)  
 CAS Number: URETHCOMB

Date Report Requested: 10/24/2014  
 Time Report Requested: 03:41:06  
 First Dose M/F: NA / NA  
 Lab: NCTR

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MOUSE(B6C3F1/NCTR)  
 LAST REMOVAL AT 110 WEEKS

DOSE	MALE		
	0% ETH/ 0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/10PPMURE
<b>All Organs</b>			
<b>Malignant Tumors</b>			
<b>TUMOR RATES</b>	#	#	#
OVERALL(a)	199/287 (69%)	110/143 (77%)	112/144 (78%)
POLY-3 RATE (b)	199/262.16	110/134.35	112/133.18
POLY-3 PERCENT (g)	75.9%	81.9%	84.1%
TERMINAL (d)	101/156 (65%)	49/71 (69%)	48/66 (73%)
FIRST INCIDENCE	410	362	296
HC TUMORS SAME ROUTE	0/0(0%)		
HC TUMORS ALL ROUTES	0/0(0%)		
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.023*	P=0.104	P=0.036*
POLY 1.5	P=0.021*	P=0.080	P=0.036*
POLY 6	P=0.024*	P=0.128	P=0.035*
COCH-ARM / FISHERS	P=0.024*	P=0.061	P=0.041*
MAX-ISO-POLY-3	P=0.030*	P=0.113	P=0.046*
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**  
 Test Compound: Urethane + ethanol (combination)  
 CAS Number: URETHCOMB

Date Report Requested: 10/24/2014  
 Time Report Requested: 03:41:06  
 First Dose M/F: NA / NA  
 Lab: NCTR

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MOUSE(B6C3F1/NCTR)  
 LAST REMOVAL AT 110 WEEKS**

DOSE	MALE		
	0% ETH/ 0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/10PPMURE
<b>All Organs</b>			
<b>Malignant and Benign Tumors</b>			
<b>TUMOR RATES</b>	#	#	#
OVERALL(a)	248/287 (86%)	134/143 (94%)	131/144 (91%)
POLY-3 RATE (b)	248/268.84	134/135.53	131/134.73
POLY-3 PERCENT (g)	92.2%	98.9%	97.2%
TERMINAL (d)	139/156 (89%)	70/71 (99%)	64/66 (97%)
FIRST INCIDENCE	293	362	296
HC TUMORS SAME ROUTE	0/0(0%)		
HC TUMORS ALL ROUTES	0/0(0%)		
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.004**	P=0.004**	P=0.031*
POLY 1.5	P=0.007**	P=0.003**	P=0.044*
POLY 6	P=0.003**	P=0.005**	P=0.024*
COCH-ARM / FISHERS	P=0.046*	P=0.015*	P=0.111
MAX-ISO-POLY-3	P=0.005**	P=0.006**	P=0.035*
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**  
 Test Compound: Urethane + ethanol (combination)  
 CAS Number: URETHCOMB

Date Report Requested: 10/24/2014  
 Time Report Requested: 03:41:06  
 First Dose M/F: NA / NA  
 Lab: NCTR

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MOUSE(B6C3F1/NCTR)  
 LAST REMOVAL AT 110 WEEKS**

DOSE	MALE		
	0% ETH/ 0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/10PPMURE
<b>All Organs</b>			
<b>Mesothelioma: Benign, Malignant, NOS</b>			
<b>TUMOR RATES</b>	#	#	#
OVERALL(a)	1/287 (0%)	2/143 (1%)	0/144 (0%)
POLY-3 RATE (b)	1/226.45	2/112.00	0/109.42
POLY-3 PERCENT (g)	0.4%	1.8%	0%
TERMINAL (d)	0/156 (0%)	1/71 (1%)	0/66 (0%)
FIRST INCIDENCE	761	760	---
HC TUMORS SAME ROUTE	0/0(0%)		
HC TUMORS ALL ROUTES	0/0(0%)		
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.589N	P=0.266	P=0.644N
POLY 1.5	P=0.580N	P=0.268	P=0.641N
POLY 6	P=0.601N	P=0.262	P=0.648N
COCH-ARM / FISHERS	P=0.568N	P=0.258	P=0.666N
MAX-ISO-POLY-3	P=0.299N	P=0.143	P=0.277N
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS  
 Test Compound: Urethane + ethanol (combination)  
 CAS Number: URETHCOMB

Date Report Requested: 10/24/2014  
 Time Report Requested: 03:41:06  
 First Dose M/F: NA / NA  
 Lab: NCTR

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MOUSE(B6C3F1/NCTR)  
 LAST REMOVAL AT 110 WEEKS

DOSE	MALE		
	0% ETH/ 0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/10PPMURE
<b>All Organs</b>			
<b>Osteosarcoma</b>			
<b>TUMOR RATES</b>	#	#	#
OVERALL(a)	0/287 (0%)	0/143 (0%)	1/144 (1%)
POLY-3 RATE (b)	0/226.44	0/111.98	1/109.78
POLY-3 PERCENT (g)	0%	0%	0.9%
TERMINAL (d)	0/156 (0%)	0/71 (0%)	0/66 (0%)
FIRST INCIDENCE	---	---	660
HC TUMORS SAME ROUTE	0/0(0%)		
HC TUMORS ALL ROUTES	0/0(0%)		
<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	(n)	(n)	(n)
HISTCONT ALL RTEs	(n)	(n)	(n)
CURR VS HC SAME RTE	(n)		
CURR VS HC ALL RTEs	(n)		

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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS  
 Test Compound: Urethane + ethanol (combination)  
 CAS Number: URETHCOMB

Date Report Requested: 10/24/2014  
 Time Report Requested: 03:41:06  
 First Dose M/F: NA / NA  
 Lab: NCTR

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MOUSE(B6C3F1/NCTR)  
 LAST REMOVAL AT 110 WEEKS

DOSE	MALE		
	0% ETH/ 0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/10PPMURE
<b>All Organs</b>			
<b>Osteosarcoma or Osteoma</b>			
<b>TUMOR RATES</b>	#	#	#
OVERALL(a)	0/287 (0%)	0/143 (0%)	1/144 (1%)
POLY-3 RATE (b)	0/226.44	0/111.98	1/109.78
POLY-3 PERCENT (g)	0%	0%	0.9%
TERMINAL (d)	0/156 (0%)	0/71 (0%)	0/66 (0%)
FIRST INCIDENCE	---	---	660
HC TUMORS SAME ROUTE	0/0(0%)		
HC TUMORS ALL ROUTES	0/0(0%)		
<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	(n)	(n)	(n)
HISTCONT ALL RTEs	(n)	(n)	(n)
CURR VS HC SAME RTE	(n)		
CURR VS HC ALL RTEs	(n)		

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

**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**  
 Test Compound: Urethane + ethanol (combination)  
 CAS Number: URETHCOMB

Date Report Requested: 10/24/2014  
 Time Report Requested: 03:41:06  
 First Dose M/F: NA / NA  
 Lab: NCTR

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MOUSE(B6C3F1/NCTR)  
 LAST REMOVAL AT 110 WEEKS**

DOSE	FEMALE		
	0% ETH/ 0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/10PPMURE
<b>Adrenal Cortex</b>			
<b>Adenoma</b>			
<b>TUMOR RATES</b>			
OVERALL(a)	4/277 (1%)	1/137 (1%)	6/139 (4%)
POLY-3 RATE (b)	4/234.93	1/106.73	6/109.24
POLY-3 PERCENT (g)	1.7%	0.9%	5.5%
TERMINAL (d)	2/168 (1%)	1/58 (2%)	4/63 (6%)
FIRST INCIDENCE	642	765(T)	700
HC TUMORS SAME ROUTE	0/0(0%)		
HC TUMORS ALL ROUTES	0/0(0%)		
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.048*	P=0.476N	P=0.056
POLY 1.5	P=0.053	P=0.459N	P=0.062
POLY 6	P=0.042*	P=0.503N	P=0.049*
COCH-ARM / FISHERS	P=0.060	P=0.465N	P=0.075
MAX-ISO-POLY-3	P=0.037*	P=0.325N	P=0.052
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS  
Test Compound: Urethane + ethanol (combination)  
CAS Number: URETHCOMB

Date Report Requested: 10/24/2014  
Time Report Requested: 03:41:06  
First Dose M/F: NA / NA  
Lab: NCTR

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MOUSE(B6C3F1/NCTR)  
LAST REMOVAL AT 110 WEEKS

DOSE	FEMALE		
	0% ETH/ 0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/10PPMURE
<b>Adrenal Medulla</b>			
<b>Pheochromocytoma Benign</b>			
<b>TUMOR RATES</b>			
OVERALL(a)	1/268 (0%)	1/133 (1%)	0/130 (0%)
POLY-3 RATE (b)	1/225.98	1/103.66	0/100.71
POLY-3 PERCENT (g)	0.4%	1%	0%
TERMINAL (d)	1/162 (1%)	1/58 (2%)	0/57 (0%)
FIRST INCIDENCE	765(T)	765(T)	---
HC TUMORS SAME ROUTE	0/0(0%)		
HC TUMORS ALL ROUTES	0/0(0%)		
<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	(n)	(n)	(n)
HISTCONT ALL RTEs	(n)	(n)	(n)
CURR VS HC SAME RTE	(n)		
CURR VS HC ALL RTEs	(n)		

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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS  
Test Compound: Urethane + ethanol (combination)  
CAS Number: URETHCOMB

Date Report Requested: 10/24/2014  
Time Report Requested: 03:41:06  
First Dose M/F: NA / NA  
Lab: NCTR

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MOUSE(B6C3F1/NCTR)  
LAST REMOVAL AT 110 WEEKS

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FEMALE			
DOSE	0% ETH/ 0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/10PPMURE
<b>Adrenal Medulla</b>			
<b>Pheochromocytoma: Benign, Complex, Malignant, NOS</b>			
<b>TUMOR RATES</b>			
OVERALL(a)	1/268 (0%)	2/133 (2%)	1/130 (1%)
POLY-3 RATE (b)	1/225.98	2/103.76	1/100.71
POLY-3 PERCENT (g)	0.4%	1.9%	1%
TERMINAL (d)	1/162 (1%)	1/58 (2%)	1/57 (2%)
FIRST INCIDENCE	765(T)	738	765(T)
HC TUMORS SAME ROUTE	0/0(0%)		
HC TUMORS ALL ROUTES	0/0(0%)		
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.340	P=0.247	P=0.570
POLY 1.5	P=0.353	P=0.257	P=0.579
POLY 6	P=0.322	P=0.233	P=0.557
COCH-ARM / FISHERS	P=0.371	P=0.256	P=0.547
MAX-ISO-POLY-3	P=0.321	P=0.137	P=0.313
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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS  
 Test Compound: Urethane + ethanol (combination)  
 CAS Number: URETHCOMB

Date Report Requested: 10/24/2014  
 Time Report Requested: 03:41:06  
 First Dose M/F: NA / NA  
 Lab: NCTR

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MOUSE(B6C3F1/NCTR)  
 LAST REMOVAL AT 110 WEEKS

DOSE	FEMALE		
	0% ETH/ 0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/10PPMURE
<b>Bone</b>			
<b>Osteosarcoma</b>			
<b>TUMOR RATES</b>	#	#	#
OVERALL(a)	1/287 (0%)	2/143 (1%)	0/144 (0%)
POLY-3 RATE (b)	1/242.77	2/112.54	0/113.12
POLY-3 PERCENT (g)	0.4%	1.8%	0%
TERMINAL (d)	1/173 (1%)	0/60 (0%)	0/63 (0%)
FIRST INCIDENCE	765(T)	468	---
HC TUMORS SAME ROUTE	0/0(0%)		
HC TUMORS ALL ROUTES	0/0(0%)		
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.604N	P=0.249	P=0.650N
POLY 1.5	P=0.590N	P=0.259	P=0.645N
POLY 6	P=0.623N	P=0.235	P=0.658N
COCH-ARM / FISHERS	P=0.568N	P=0.258	P=0.666N
MAX-ISO-POLY-3	P=0.304N	P=0.138	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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS  
Test Compound: Urethane + ethanol (combination)  
CAS Number: URETHCOMB

Date Report Requested: 10/24/2014  
Time Report Requested: 03:41:06  
First Dose M/F: NA / NA  
Lab: NCTR

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MOUSE(B6C3F1/NCTR)  
LAST REMOVAL AT 110 WEEKS

				FEMALE		
DOSE	0% ETH/ 0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/10PPMURE			
<b>Bone Marrow</b>						
<b>Hemangiosarcoma</b>						
<b>TUMOR RATES</b>						
OVERALL(a)	0/283 (0%)	1/142 (1%)	0/141 (0%)			
POLY-3 RATE (b)	0/240.28	1/111.17	0/111.34			
POLY-3 PERCENT (g)	0%	0.9%	0%			
TERMINAL (d)	0/173 (0%)	0/60 (0%)	0/63 (0%)			
FIRST INCIDENCE	---	753	---			
HC TUMORS SAME ROUTE	0/0(0%)					
HC TUMORS ALL ROUTES	0/0(0%)					
<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	(n)	(n)	(n)			
HISTCONT ALL RTEs	(n)	(n)	(n)			
CURR VS HC SAME RTE	(n)					
CURR VS HC ALL RTEs	(n)					

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

**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**  
 Test Compound: Urethane + ethanol (combination)  
 CAS Number: URETHCOMB

Date Report Requested: 10/24/2014  
 Time Report Requested: 03:41:06  
 First Dose M/F: NA / NA  
 Lab: NCTR

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MOUSE(B6C3F1/NCTR)  
 LAST REMOVAL AT 110 WEEKS**

DOSE	FEMALE		
	0% ETH/ 0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/10PPMURE
<b>Clitoral/Preputial Gland</b>			
<b>Hemangioma</b>			
<b>TUMOR RATES</b>	#	#	#
OVERALL(a)	0/242 (0%)	0/114 (0%)	0/117 (0%)
POLY-3 RATE (b)	0/205.08	0/90.88	0/89.67
POLY-3 PERCENT (g)	0%	0%	0%
TERMINAL (d)	0/149 (0%)	0/51 (0%)	0/51 (0%)
FIRST INCIDENCE	---	---	---
HC TUMORS SAME ROUTE	0/0(0%)		
HC TUMORS ALL ROUTES	0/0(0%)		
<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	(n)	(n)	(n)
HISTCONT ALL RTEs	(n)	(n)	(n)
CURR VS HC SAME RTE	(n)		
CURR VS HC ALL RTEs	(n)		

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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS  
 Test Compound: Urethane + ethanol (combination)  
 CAS Number: URETHCOMB

Date Report Requested: 10/24/2014  
 Time Report Requested: 03:41:06  
 First Dose M/F: NA / NA  
 Lab: NCTR

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MOUSE(B6C3F1/NCTR)  
 LAST REMOVAL AT 110 WEEKS

DOSE	FEMALE		
	0% ETH/ 0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/10PPMURE
<b>Clitoral/Preputial Gland</b>			
<b>Hemangiosarcoma</b>			
<b>TUMOR RATES</b>	#	#	#
OVERALL(a)	0/242 (0%)	0/114 (0%)	0/117 (0%)
POLY-3 RATE (b)	0/205.08	0/90.88	0/89.67
POLY-3 PERCENT (g)	0%	0%	0%
TERMINAL (d)	0/149 (0%)	0/51 (0%)	0/51 (0%)
FIRST INCIDENCE	---	---	---
HC TUMORS SAME ROUTE	0/0(0%)		
HC TUMORS ALL ROUTES	0/0(0%)		
<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	(n)	(n)	(n)
HISTCONT ALL RTEs	(n)	(n)	(n)
CURR VS HC SAME RTE	(n)		
CURR VS HC ALL RTEs	(n)		

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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS  
 Test Compound: Urethane + ethanol (combination)  
 CAS Number: URETHCOMB

Date Report Requested: 10/24/2014  
 Time Report Requested: 03:41:06  
 First Dose M/F: NA / NA  
 Lab: NCTR

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MOUSE(B6C3F1/NCTR)  
 LAST REMOVAL AT 110 WEEKS

DOSE	FEMALE		
	0% ETH/ 0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/10PPMURE
<b>Harderian Gland</b>			
<b>Adenoma</b>			
<b>TUMOR RATES</b>	#	#	#
OVERALL(a)	48/287 (17%)	31/143 (22%)	33/144 (23%)
POLY-3 RATE (b)	48/252.79	31/118.57	33/121.49
POLY-3 PERCENT (g)	19%	26.1%	27.2%
TERMINAL (d)	18/173 (10%)	8/60 (13%)	10/63 (16%)
FIRST INCIDENCE	466	542	433
HC TUMORS SAME ROUTE	0/0(0%)		
HC TUMORS ALL ROUTES	0/0(0%)		
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.030*	P=0.076	P=0.048*
POLY 1.5	P=0.040*	P=0.099	P=0.058
POLY 6	P=0.020*	P=0.051	P=0.035*
COCH-ARM / FISHERS	P=0.058	P=0.132	P=0.079
MAX-ISO-POLY-3	P=0.039*	P=0.092	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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS  
 Test Compound: Urethane + ethanol (combination)  
 CAS Number: URETHCOMB

Date Report Requested: 10/24/2014  
 Time Report Requested: 03:41:06  
 First Dose M/F: NA / NA  
 Lab: NCTR

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MOUSE(B6C3F1/NCTR)  
 LAST REMOVAL AT 110 WEEKS

DOSE	FEMALE		
	0% ETH/ 0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/10PPMURE
<b>Harderian Gland</b>			
<b>Carcinoma</b>			
<b>TUMOR RATES</b>	#	#	#
OVERALL(a)	25/287 (9%)	25/143 (17%)	28/144 (19%)
POLY-3 RATE (b)	25/247.22	25/116.06	28/116.88
POLY-3 PERCENT (g)	10.1%	21.5%	24%
TERMINAL (d)	11/173 (6%)	10/60 (17%)	17/63 (27%)
FIRST INCIDENCE	548	584	559
HC TUMORS SAME ROUTE	0/0(0%)		
HC TUMORS ALL ROUTES	0/0(0%)		
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.000**	P=0.003**	P=0.000**
POLY 1.5	P=0.000**	P=0.004**	P<0.001**
POLY 6	P=0.000**	P<0.001**	P=0.000**
COCH-ARM / FISHERS	P<0.001**	P=0.007**	P<0.001**
MAX-ISO-POLY-3	P=0.000**	P=0.006**	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

**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**  
 Test Compound: Urethane + ethanol (combination)  
 CAS Number: URETHCOMB

Date Report Requested: 10/24/2014  
 Time Report Requested: 03:41:06  
 First Dose M/F: NA / NA  
 Lab: NCTR

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MOUSE(B6C3F1/NCTR)  
 LAST REMOVAL AT 110 WEEKS**

DOSE	FEMALE		
	0% ETH/ 0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/10PPMURE
<b>Harderian Gland</b>			
<b>Carcinoma or Adenoma</b>			
<b>TUMOR RATES</b>	#	#	#
OVERALL(a)	71/287 (25%)	55/143 (38%)	60/144 (42%)
POLY-3 RATE (b)	71/256.86	55/122.98	60/124.77
POLY-3 PERCENT (g)	27.6%	44.7%	48.1%
TERMINAL (d)	29/173 (17%)	17/60 (28%)	27/63 (43%)
FIRST INCIDENCE	466	542	433
HC TUMORS SAME ROUTE	0/0(0%)		
HC TUMORS ALL ROUTES	0/0(0%)		
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.000**	P<0.001**	P=0.000**
POLY 1.5	P=0.000**	P<0.001**	P=0.000**
POLY 6	P=0.000**	P=0.000**	P=0.000**
COCH-ARM / FISHERS	P=0.000**	P=0.003**	P=0.000**
MAX-ISO-POLY-3	P=0.000**	P=0.002**	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

**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**  
 Test Compound: Urethane + ethanol (combination)  
 CAS Number: URETHCOMB

Date Report Requested: 10/24/2014  
 Time Report Requested: 03:41:06  
 First Dose M/F: NA / NA  
 Lab: NCTR

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MOUSE(B6C3F1/NCTR)  
 LAST REMOVAL AT 110 WEEKS**

DOSE	FEMALE		
	0% ETH/ 0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/10PPMURE
<b>Heart</b>			
<b>Hemangioma</b>			
<b>TUMOR RATES</b>			
OVERALL(a)	1/286 (0%)	0/143 (0%)	2/143 (1%)
POLY-3 RATE (b)	1/242.11	0/111.65	2/112.43
POLY-3 PERCENT (g)	0.4%	0%	1.8%
TERMINAL (d)	0/173 (0%)	0/60 (0%)	2/63 (3%)
FIRST INCIDENCE	719	---	765(T)
HC TUMORS SAME ROUTE	0/0(0%)		
HC TUMORS ALL ROUTES	0/0(0%)		
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.181	P=0.652N	P=0.250
POLY 1.5	P=0.186	P=0.645N	P=0.258
POLY 6	P=0.173	P=0.662N	P=0.239
COCH-ARM / FISHERS	P=0.191	P=0.667N	P=0.259
MAX-ISO-POLY-3	P=0.115	P=0.286N	P=0.139
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS  
 Test Compound: Urethane + ethanol (combination)  
 CAS Number: URETHCOMB

Date Report Requested: 10/24/2014  
 Time Report Requested: 03:41:06  
 First Dose M/F: NA / NA  
 Lab: NCTR

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MOUSE(B6C3F1/NCTR)  
 LAST REMOVAL AT 110 WEEKS

DOSE	FEMALE		
	0% ETH/ 0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/10PPMURE
<b>Heart</b>			
<b>Hemangiosarcoma</b>			
<b>TUMOR RATES</b>			
OVERALL(a)	1/286 (0%)	3/143 (2%)	6/143 (4%)
POLY-3 RATE (b)	1/241.94	3/112.83	6/113.84
POLY-3 PERCENT (g)	0.4%	2.7%	5.3%
TERMINAL (d)	1/173 (1%)	0/60 (0%)	1/63 (2%)
FIRST INCIDENCE	765(T)	565	603
HC TUMORS SAME ROUTE	0/0(0%)		
HC TUMORS ALL ROUTES	0/0(0%)		
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.003**	P=0.095	P=0.004**
POLY 1.5	P=0.003**	P=0.100	P=0.004**
POLY 6	P=0.002**	P=0.087	P=0.003**
COCH-ARM / FISHERS	P=0.004**	P=0.110	P=0.006**
MAX-ISO-POLY-3	P=0.003**	P=0.059	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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS  
 Test Compound: Urethane + ethanol (combination)  
 CAS Number: URETHCOMB

Date Report Requested: 10/24/2014  
 Time Report Requested: 03:41:06  
 First Dose M/F: NA / NA  
 Lab: NCTR

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MOUSE(B6C3F1/NCTR)  
 LAST REMOVAL AT 110 WEEKS

DOSE	FEMALE		
	0% ETH/ 0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/10PPMURE
<b>Islets, Pancreatic</b>			
<b>Adenoma</b>			
<b>TUMOR RATES</b>			
OVERALL(a)	2/276 (1%)	3/135 (2%)	4/137 (3%)
POLY-3 RATE (b)	2/236.40	3/107.73	4/109.23
POLY-3 PERCENT (g)	0.8%	2.8%	3.7%
TERMINAL (d)	2/173 (1%)	1/60 (2%)	2/63 (3%)
FIRST INCIDENCE	765(T)	646	662
HC TUMORS SAME ROUTE	0/0(0%)		
HC TUMORS ALL ROUTES	0/0(0%)		
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.051	P=0.185	P=0.080
POLY 1.5	P=0.056	P=0.195	P=0.085
POLY 6	P=0.045*	P=0.171	P=0.073
COCH-ARM / FISHERS	P=0.063	P=0.201	P=0.097
MAX-ISO-POLY-3	P=0.069	P=0.124	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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS  
 Test Compound: Urethane + ethanol (combination)  
 CAS Number: URETHCOMB

Date Report Requested: 10/24/2014  
 Time Report Requested: 03:41:06  
 First Dose M/F: NA / NA  
 Lab: NCTR

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MOUSE(B6C3F1/NCTR)  
 LAST REMOVAL AT 110 WEEKS

DOSE	FEMALE		
	0% ETH/ 0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/10PPMURE
<b>Islets, Pancreatic Carcinoma or Adenoma</b>			
<b>TUMOR RATES</b>			
OVERALL(a)	2/276 (1%)	3/135 (2%)	4/137 (3%)
POLY-3 RATE (b)	2/236.40	3/107.73	4/109.23
POLY-3 PERCENT (g)	0.8%	2.8%	3.7%
TERMINAL (d)	2/173 (1%)	1/60 (2%)	2/63 (3%)
FIRST INCIDENCE	765(T)	646	662
HC TUMORS SAME ROUTE	0/0(0%)		
HC TUMORS ALL ROUTES	0/0(0%)		
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.051	P=0.185	P=0.080
POLY 1.5	P=0.056	P=0.195	P=0.085
POLY 6	P=0.045*	P=0.171	P=0.073
COCH-ARM / FISHERS	P=0.063	P=0.201	P=0.097
MAX-ISO-POLY-3	P=0.069	P=0.124	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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS  
 Test Compound: Urethane + ethanol (combination)  
 CAS Number: URETHCOMB

Date Report Requested: 10/24/2014  
 Time Report Requested: 03:41:06  
 First Dose M/F: NA / NA  
 Lab: NCTR

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MOUSE(B6C3F1/NCTR)  
 LAST REMOVAL AT 110 WEEKS

DOSE	FEMALE		
	0% ETH/ 0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/10PPMURE
<b>Kidney: Renal Tubule</b>			
<b>Adenoma</b>			
<b>TUMOR 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	---	---	---
HC TUMORS SAME ROUTE	0/0(0%)		
HC TUMORS ALL ROUTES	0/0(0%)		
<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	(n)	(n)	(n)
HISTCONT ALL RTEs	(n)	(n)	(n)
CURR VS HC SAME RTE	(n)		
CURR VS HC ALL RTEs	(n)		

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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS  
Test Compound: Urethane + ethanol (combination)  
CAS Number: URETHCOMB

Date Report Requested: 10/24/2014  
Time Report Requested: 03:41:06  
First Dose M/F: NA / NA  
Lab: NCTR

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MOUSE(B6C3F1/NCTR)  
LAST REMOVAL AT 110 WEEKS

DOSE	FEMALE		
	0% ETH/ 0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/10PPMURE
<b>Kidney: Renal Tubule Carcinoma or Adenoma</b>			
<b>TUMOR 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	---	---	---
HC TUMORS SAME ROUTE	0/0(0%)		
HC TUMORS ALL ROUTES	0/0(0%)		
<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	(n)	(n)	(n)
HISTCONT ALL RTEs	(n)	(n)	(n)
CURR VS HC SAME RTE	(n)		
CURR VS HC ALL RTEs	(n)		

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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS  
 Test Compound: Urethane + ethanol (combination)  
 CAS Number: URETHCOMB

Date Report Requested: 10/24/2014  
 Time Report Requested: 03:41:06  
 First Dose M/F: NA / NA  
 Lab: NCTR

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MOUSE(B6C3F1/NCTR)  
 LAST REMOVAL AT 110 WEEKS

DOSE	FEMALE		
	0% ETH/ 0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/10PPMURE
<b>Kidney: Renal Tubule</b>			
<b>Hemangiosarcoma</b>			
<b>TUMOR RATES</b>	#	#	#
OVERALL(a)	0/287 (0%)	3/143 (2%)	1/143 (1%)
POLY-3 RATE (b)	0/242.77	3/113.24	1/112.75
POLY-3 PERCENT (g)	0%	2.6%	0.9%
TERMINAL (d)	0/173 (0%)	0/60 (0%)	0/63 (0%)
FIRST INCIDENCE	---	508	675
HC TUMORS SAME ROUTE	0/0(0%)		
HC TUMORS ALL ROUTES	0/0(0%)		
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.159	P=0.028*	P=0.349
POLY 1.5	P=0.167	P=0.030*	P=0.354
POLY 6	P=0.147	P=0.025*	P=0.342
COCH-ARM / FISHERS	P=0.181	P=0.036*	P=0.333
MAX-ISO-POLY-3	P=0.105	P=0.016*	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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS  
 Test Compound: Urethane + ethanol (combination)  
 CAS Number: URETHCOMB

Date Report Requested: 10/24/2014  
 Time Report Requested: 03:41:06  
 First Dose M/F: NA / NA  
 Lab: NCTR

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MOUSE(B6C3F1/NCTR)  
 LAST REMOVAL AT 110 WEEKS

DOSE	FEMALE		
	0% ETH/ 0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/10PPMURE
<b>Kidney: Renal Tubule</b>			
<b>Mast Cell Tumor Malignant</b>			
<b>TUMOR RATES</b>	#	#	#
OVERALL(a)	0/287 (0%)	0/143 (0%)	2/143 (1%)
POLY-3 RATE (b)	0/242.77	0/111.65	2/112.75
POLY-3 PERCENT (g)	0%	0%	1.8%
TERMINAL (d)	0/173 (0%)	0/60 (0%)	1/63 (2%)
FIRST INCIDENCE	---	---	675
HC TUMORS SAME ROUTE	0/0(0%)		
HC TUMORS ALL ROUTES	0/0(0%)		
<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			

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

**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**  
 Test Compound: Urethane + ethanol (combination)  
 CAS Number: URETHCOMB

Date Report Requested: 10/24/2014  
 Time Report Requested: 03:41:06  
 First Dose M/F: NA / NA  
 Lab: NCTR

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MOUSE(B6C3F1/NCTR)  
 LAST REMOVAL AT 110 WEEKS**

DOSE	FEMALE		
	0% ETH/ 0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/10PPMURE
<b>Kidney: Renal Tubule</b>			
<b>Sarcoma</b>			
<b>TUMOR RATES</b>	#	#	#
OVERALL(a)	1/287 (0%)	2/143 (1%)	0/143 (0%)
POLY-3 RATE (b)	1/243.31	2/111.83	0/112.43
POLY-3 PERCENT (g)	0.4%	1.8%	0%
TERMINAL (d)	0/173 (0%)	1/60 (2%)	0/63 (0%)
FIRST INCIDENCE	592	716	---
HC TUMORS SAME ROUTE	0/0(0%)		
HC TUMORS ALL ROUTES	0/0(0%)		
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.605N	P=0.247	P=0.652N
POLY 1.5	P=0.591N	P=0.257	P=0.646N
POLY 6	P=0.625N	P=0.232	P=0.659N
COCH-ARM / FISHERS	P=0.570N	P=0.258	P=0.667N
MAX-ISO-POLY-3	P=0.305N	P=0.138	P=0.285N
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS  
 Test Compound: Urethane + ethanol (combination)  
 CAS Number: URETHCOMB

Date Report Requested: 10/24/2014  
 Time Report Requested: 03:41:06  
 First Dose M/F: NA / NA  
 Lab: NCTR

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MOUSE(B6C3F1/NCTR)  
 LAST REMOVAL AT 110 WEEKS

DOSE	FEMALE		
	0% ETH/ 0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/10PPMURE
Liver			
Hemangioma			
<b>TUMOR 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	---	---	---
HC TUMORS SAME ROUTE	0/0(0%)		
HC TUMORS ALL ROUTES	0/0(0%)		
<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	(n)	(n)	(n)
HISTCONT ALL RTEs	(n)	(n)	(n)
CURR VS HC SAME RTE	(n)		
CURR VS HC ALL RTEs	(n)		

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

**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**  
 Test Compound: Urethane + ethanol (combination)  
 CAS Number: URETHCOMB

Date Report Requested: 10/24/2014  
 Time Report Requested: 03:41:06  
 First Dose M/F: NA / NA  
 Lab: NCTR

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MOUSE(B6C3F1/NCTR)  
 LAST REMOVAL AT 110 WEEKS**

DOSE	FEMALE		
	0% ETH/ 0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/10PPMURE
<b>Liver</b>			
<b>Hemangiosarcoma</b>			
<b>TUMOR RATES</b>			
OVERALL(a)	9/284 (3%)	9/140 (6%)	6/143 (4%)
POLY-3 RATE (b)	9/243.03	9/110.55	6/113.80
POLY-3 PERCENT (g)	3.7%	8.1%	5.3%
TERMINAL (d)	2/173 (1%)	3/60 (5%)	0/63 (0%)
FIRST INCIDENCE	551	677	485
HC TUMORS SAME ROUTE	0/0(0%)		
HC TUMORS ALL ROUTES	0/0(0%)		
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.210	P=0.069	P=0.345
POLY 1.5	P=0.234	P=0.081	P=0.366
POLY 6	P=0.177	P=0.055	P=0.315
COCH-ARM / FISHERS	P=0.268	P=0.097	P=0.385
MAX-ISO-POLY-3	P=0.220	P=0.072	P=0.282
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS  
 Test Compound: Urethane + ethanol (combination)  
 CAS Number: URETHCOMB

Date Report Requested: 10/24/2014  
 Time Report Requested: 03:41:06  
 First Dose M/F: NA / NA  
 Lab: NCTR

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MOUSE(B6C3F1/NCTR)  
 LAST REMOVAL AT 110 WEEKS

DOSE	FEMALE		
	0% ETH/ 0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/10PPMURE
<b>Liver</b>			
<b>Hepatocellular Adenoma</b>			
<b>TUMOR RATES</b>			
OVERALL(a)	61/284 (21%)	43/140 (31%)	38/143 (27%)
POLY-3 RATE (b)	61/246.98	43/115.07	38/117.88
POLY-3 PERCENT (g)	24.7%	37.4%	32.2%
TERMINAL (d)	39/173 (23%)	26/60 (43%)	19/63 (30%)
FIRST INCIDENCE	590	600	559
HC TUMORS SAME ROUTE	0/0(0%)		
HC TUMORS ALL ROUTES	0/0(0%)		
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.034*	P=0.009**	P=0.082
POLY 1.5	P=0.051	P=0.014*	P=0.104
POLY 6	P=0.019*	P=0.004**	P=0.057
COCH-ARM / FISHERS	P=0.084	P=0.026*	P=0.146
MAX-ISO-POLY-3	P=0.045*	P=0.017*	P=0.098
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS  
Test Compound: Urethane + ethanol (combination)  
CAS Number: URETHCOMB

Date Report Requested: 10/24/2014  
Time Report Requested: 03:41:06  
First Dose M/F: NA / NA  
Lab: NCTR

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MOUSE(B6C3F1/NCTR)  
LAST REMOVAL AT 110 WEEKS

DOSE	FEMALE		
	0% ETH/ 0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/10PPMURE
<b>Liver</b>			
<b>Hepatocellular Carcinoma</b>			
<b>TUMOR RATES</b>			
OVERALL(a)	5/284 (2%)	4/140 (3%)	2/143 (1%)
POLY-3 RATE (b)	5/241.49	4/110.67	2/112.56
POLY-3 PERCENT (g)	2.1%	3.6%	1.8%
TERMINAL (d)	2/173 (1%)	2/60 (3%)	1/63 (2%)
FIRST INCIDENCE	676	584	719
HC TUMORS SAME ROUTE	0/0(0%)		
HC TUMORS ALL ROUTES	0/0(0%)		
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.562	P=0.315	P=0.588N
POLY 1.5	P=0.565N	P=0.333	P=0.572N
POLY 6	P=0.530	P=0.288	P=0.610N
COCH-ARM / FISHERS	P=0.534N	P=0.341	P=0.567N
MAX-ISO-POLY-3	P=0.487N	P=0.239	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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS  
 Test Compound: Urethane + ethanol (combination)  
 CAS Number: URETHCOMB

Date Report Requested: 10/24/2014  
 Time Report Requested: 03:41:06  
 First Dose M/F: NA / NA  
 Lab: NCTR

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MOUSE(B6C3F1/NCTR)  
 LAST REMOVAL AT 110 WEEKS

DOSE	FEMALE		
	0% ETH/ 0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/10PPMURE
<b>Liver</b>			
<b>Hepatocellular Carcinoma or Hepatoblastoma</b>			
<b>TUMOR RATES</b>			
OVERALL(a)	5/284 (2%)	4/140 (3%)	2/143 (1%)
POLY-3 RATE (b)	5/241.49	4/110.67	2/112.56
POLY-3 PERCENT (g)	2.1%	3.6%	1.8%
TERMINAL (d)	2/173 (1%)	2/60 (3%)	1/63 (2%)
FIRST INCIDENCE	676	584	719
HC TUMORS SAME ROUTE	0/0(0%)		
HC TUMORS ALL ROUTES	0/0(0%)		
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.562	P=0.315	P=0.588N
POLY 1.5	P=0.565N	P=0.333	P=0.572N
POLY 6	P=0.530	P=0.288	P=0.610N
COCH-ARM / FISHERS	P=0.534N	P=0.341	P=0.567N
MAX-ISO-POLY-3	P=0.487N	P=0.239	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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS  
 Test Compound: Urethane + ethanol (combination)  
 CAS Number: URETHCOMB

Date Report Requested: 10/24/2014  
 Time Report Requested: 03:41:06  
 First Dose M/F: NA / NA  
 Lab: NCTR

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MOUSE(B6C3F1/NCTR)  
 LAST REMOVAL AT 110 WEEKS

DOSE	FEMALE		
	0% ETH/ 0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/10PPMURE
<b>Liver</b>			
<b>Hepatocellular Carcinoma or Hepatocellular Adenoma</b>			
<b>TUMOR RATES</b>			
OVERALL(a)	65/284 (23%)	44/140 (31%)	40/143 (28%)
POLY-3 RATE (b)	65/247.43	44/115.63	40/118.05
POLY-3 PERCENT (g)	26.3%	38.1%	33.9%
TERMINAL (d)	40/173 (23%)	26/60 (43%)	20/63 (32%)
FIRST INCIDENCE	590	584	559
HC TUMORS SAME ROUTE	0/0(0%)		
HC TUMORS ALL ROUTES	0/0(0%)		
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.038*	P=0.015*	P=0.083
POLY 1.5	P=0.056	P=0.023*	P=0.106
POLY 6	P=0.021*	P=0.007**	P=0.057
COCH-ARM / FISHERS	P=0.092	P=0.039*	P=0.151
MAX-ISO-POLY-3	P=0.050*	P=0.025*	P=0.099
HISTCONT SAME RTE			
HISTCONT ALL RTEs			
CURR VS HC SAME RTE			
CURR VS HC ALL RTEs			

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

**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**  
 Test Compound: Urethane + ethanol (combination)  
 CAS Number: URETHCOMB

Date Report Requested: 10/24/2014  
 Time Report Requested: 03:41:06  
 First Dose M/F: NA / NA  
 Lab: NCTR

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MOUSE(B6C3F1/NCTR)  
 LAST REMOVAL AT 110 WEEKS**

DOSE	FEMALE		
	0% ETH/ 0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/10PPMURE
<b>Liver</b>			
<b>Hepatocellular Carcinoma, Hepatocellular Adenoma, or Hepatoblastoma</b>			
<b>TUMOR RATES</b>			
OVERALL(a)	65/284 (23%)	44/140 (31%)	40/143 (28%)
POLY-3 RATE (b)	65/247.43	44/115.63	40/118.05
POLY-3 PERCENT (g)	26.3%	38.1%	33.9%
TERMINAL (d)	40/173 (23%)	26/60 (43%)	20/63 (32%)
FIRST INCIDENCE	590	584	559
HC TUMORS SAME ROUTE	0/0(0%)		
HC TUMORS ALL ROUTES	0/0(0%)		
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.038*	P=0.015*	P=0.083
POLY 1.5	P=0.056	P=0.023*	P=0.106
POLY 6	P=0.021*	P=0.007**	P=0.057
COCH-ARM / FISHERS	P=0.092	P=0.039*	P=0.151
MAX-ISO-POLY-3	P=0.050*	P=0.025*	P=0.099
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**  
 Test Compound: Urethane + ethanol (combination)  
 CAS Number: URETHCOMB

Date Report Requested: 10/24/2014  
 Time Report Requested: 03:41:06  
 First Dose M/F: NA / NA  
 Lab: NCTR

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MOUSE(B6C3F1/NCTR)  
 LAST REMOVAL AT 110 WEEKS**

DOSE	FEMALE		
	0% ETH/ 0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/10PPMURE
<b>Lung</b>			
<b>Alveolar/Bronchiolar Adenoma</b>			
<b>TUMOR RATES</b>			
OVERALL(a)	66/286 (23%)	54/143 (38%)	58/144 (40%)
POLY-3 RATE (b)	66/255.74	54/122.18	58/123.14
POLY-3 PERCENT (g)	25.8%	44.2%	47.1%
TERMINAL (d)	29/173 (17%)	19/60 (32%)	25/63 (40%)
FIRST INCIDENCE	391	306	380
HC TUMORS SAME ROUTE	0/0(0%)		
HC TUMORS ALL ROUTES	0/0(0%)		
<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<0.001**	P=0.000**
MAX-ISO-POLY-3	P=0.000**	P<0.001**	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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS  
 Test Compound: Urethane + ethanol (combination)  
 CAS Number: URETHCOMB

Date Report Requested: 10/24/2014  
 Time Report Requested: 03:41:06  
 First Dose M/F: NA / NA  
 Lab: NCTR

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MOUSE(B6C3F1/NCTR)  
 LAST REMOVAL AT 110 WEEKS

DOSE	FEMALE		
	0% ETH/ 0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/10PPMURE
<b>Lung</b>			
<b>Alveolar/Bronchiolar Carcinoma</b>			
<b>TUMOR RATES</b>			
OVERALL(a)	39/286 (14%)	31/143 (22%)	39/144 (27%)
POLY-3 RATE (b)	39/248.47	31/116.72	39/120.62
POLY-3 PERCENT (g)	15.7%	26.6%	32.3%
TERMINAL (d)	14/173 (8%)	11/60 (18%)	16/63 (25%)
FIRST INCIDENCE	548	499	485
HC TUMORS SAME ROUTE	0/0(0%)		
HC TUMORS ALL ROUTES	0/0(0%)		
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.000**	P=0.010**	P=0.000**
POLY 1.5	P=0.000**	P=0.015*	P=0.000**
POLY 6	P=0.000**	P=0.005**	P=0.000**
COCH-ARM / FISHERS	P=0.000**	P=0.025*	P<0.001**
MAX-ISO-POLY-3	P=0.000**	P=0.018*	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

**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**  
 Test Compound: Urethane + ethanol (combination)  
 CAS Number: URETHCOMB

Date Report Requested: 10/24/2014  
 Time Report Requested: 03:41:07  
 First Dose M/F: NA / NA  
 Lab: NCTR

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MOUSE(B6C3F1/NCTR)  
 LAST REMOVAL AT 110 WEEKS**

DOSE	FEMALE		
	0% ETH/ 0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/10PPMURE
<b>Lung</b>			
<b>Alveolar/Bronchiolar Carcinoma or Alveolar/Bronchiolar Adenoma</b>			
<b>TUMOR RATES</b>			
OVERALL(a)	91/286 (32%)	70/143 (49%)	78/144 (54%)
POLY-3 RATE (b)	91/260.30	70/125.28	78/126.65
POLY-3 PERCENT (g)	35%	55.9%	61.6%
TERMINAL (d)	38/173 (22%)	25/60 (42%)	35/63 (56%)
FIRST INCIDENCE	391	306	380
HC TUMORS SAME ROUTE	0/0(0%)		
HC TUMORS ALL ROUTES	0/0(0%)		
<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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS  
Test Compound: Urethane + ethanol (combination)  
CAS Number: URETHCOMB

Date Report Requested: 10/24/2014  
Time Report Requested: 03:41:07  
First Dose M/F: NA / NA  
Lab: NCTR

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MOUSE(B6C3F1/NCTR)  
LAST REMOVAL AT 110 WEEKS

FEMALE			
DOSE	0% ETH/ 0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/10PPMURE
<b>Lymph Node</b>			
<b>Hemangiosarcoma</b>			
<b>TUMOR RATES</b>	#	#	#
OVERALL(a)	0/287 (0%)	0/143 (0%)	0/144 (0%)
POLY-3 RATE (b)	0/242.77	0/111.65	0/113.12
POLY-3 PERCENT (g)	0%	0%	0%
TERMINAL (d)	0/173 (0%)	0/60 (0%)	0/63 (0%)
FIRST INCIDENCE	---	---	---
HC TUMORS SAME ROUTE	0/0(0%)		
HC TUMORS ALL ROUTES	0/0(0%)		
<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	(n)	(n)	(n)
HISTCONT ALL RTEs	(n)	(n)	(n)
CURR VS HC SAME RTE	(n)		
CURR VS HC ALL RTEs	(n)		

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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS  
 Test Compound: Urethane + ethanol (combination)  
 CAS Number: URETHCOMB

Date Report Requested: 10/24/2014  
 Time Report Requested: 03:41:07  
 First Dose M/F: NA / NA  
 Lab: NCTR

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MOUSE(B6C3F1/NCTR)  
 LAST REMOVAL AT 110 WEEKS

DOSE	FEMALE		
	0% ETH/ 0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/10PPMURE
<b>Lymph Node</b>			
<b>Mast Cell Tumor Malignant</b>			
<b>TUMOR RATES</b>	#	#	#
OVERALL(a)	0/287 (0%)	0/143 (0%)	2/144 (1%)
POLY-3 RATE (b)	0/242.77	0/111.65	2/113.43
POLY-3 PERCENT (g)	0%	0%	1.8%
TERMINAL (d)	0/173 (0%)	0/60 (0%)	1/63 (2%)
FIRST INCIDENCE	---	---	675
HC TUMORS SAME ROUTE	0/0(0%)		
HC TUMORS ALL ROUTES	0/0(0%)		
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.041*	(e)	P=0.097
POLY 1.5	P=0.043*	(e)	P=0.100
POLY 6	P=0.039*	(e)	P=0.092
COCH-ARM / FISHERS	P=0.044*	(e)	P=0.111
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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS  
Test Compound: Urethane + ethanol (combination)  
CAS Number: URETHCOMB

Date Report Requested: 10/24/2014  
Time Report Requested: 03:41:07  
First Dose M/F: NA / NA  
Lab: NCTR

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MOUSE(B6C3F1/NCTR)  
LAST REMOVAL AT 110 WEEKS

DOSE	FEMALE		
	0% ETH/ 0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/10PPMURE
<b>Mammary Gland</b>			
<b>Adenoacanthoma</b>			
<b>TUMOR RATES</b>	#	#	#
OVERALL(a)	13/287 (5%)	5/143 (3%)	10/144 (7%)
POLY-3 RATE (b)	13/247.23	5/113.00	10/116.16
POLY-3 PERCENT (g)	5.3%	4.4%	8.6%
TERMINAL (d)	0/173 (0%)	1/60 (2%)	3/63 (5%)
FIRST INCIDENCE	523	599	459
HC TUMORS SAME ROUTE	0/0(0%)		
HC TUMORS ALL ROUTES	0/0(0%)		
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.164	P=0.470N	P=0.163
POLY 1.5	P=0.183	P=0.437N	P=0.180
POLY 6	P=0.137	P=0.521N	P=0.140
COCH-ARM / FISHERS	P=0.209	P=0.412N	P=0.203
MAX-ISO-POLY-3	P=0.172	P=0.390N	P=0.153
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS  
 Test Compound: Urethane + ethanol (combination)  
 CAS Number: URETHCOMB

Date Report Requested: 10/24/2014  
 Time Report Requested: 03:41:07  
 First Dose M/F: NA / NA  
 Lab: NCTR

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MOUSE(B6C3F1/NCTR)  
 LAST REMOVAL AT 110 WEEKS

FEMALE			
DOSE	0% ETH/ 0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/10PPMURE
<b>Mammary Gland</b>			
<b>Adenoma</b>			
<b>TUMOR RATES</b>	#	#	#
OVERALL(a)	3/287 (1%)	0/143 (0%)	0/144 (0%)
POLY-3 RATE (b)	3/243.18	0/111.65	0/113.12
POLY-3 PERCENT (g)	1.2%	0%	0%
TERMINAL (d)	1/173 (1%)	0/60 (0%)	0/63 (0%)
FIRST INCIDENCE	669	---	---
HC TUMORS SAME ROUTE	0/0(0%)		
HC TUMORS ALL ROUTES	0/0(0%)		
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.122N	P=0.293N	P=0.289N
POLY 1.5	P=0.117N	P=0.282N	P=0.280N
POLY 6	P=0.131N	P=0.310N	P=0.303N
COCH-ARM / FISHERS	P=0.111N	P=0.296N	P=0.294N
MAX-ISO-POLY-3	P=0.170N	P=0.164N	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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS  
 Test Compound: Urethane + ethanol (combination)  
 CAS Number: URETHCOMB

Date Report Requested: 10/24/2014  
 Time Report Requested: 03:41:07  
 First Dose M/F: NA / NA  
 Lab: NCTR

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MOUSE(B6C3F1/NCTR)  
 LAST REMOVAL AT 110 WEEKS

DOSE	FEMALE		
	0% ETH/ 0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/10PPMURE
<b>Mammary Gland</b>			
<b>Carcinoma</b>			
<b>TUMOR RATES</b>	#	#	#
OVERALL(a)	28/287 (10%)	28/143 (20%)	25/144 (17%)
POLY-3 RATE (b)	28/247.49	28/116.99	25/119.54
POLY-3 PERCENT (g)	11.3%	23.9%	20.9%
TERMINAL (d)	13/173 (8%)	9/60 (15%)	6/63 (10%)
FIRST INCIDENCE	391	607	559
HC TUMORS SAME ROUTE	0/0(0%)		
HC TUMORS ALL ROUTES	0/0(0%)		
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.004**	P<0.001**	P=0.011*
POLY 1.5	P=0.005**	P=0.002**	P=0.013*
POLY 6	P=0.003**	P<0.001**	P=0.009**
COCH-ARM / FISHERS	P=0.008**	P=0.004**	P=0.019*
MAX-ISO-POLY-3	P=0.004**	P=0.004**	P=0.018*
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS  
 Test Compound: Urethane + ethanol (combination)  
 CAS Number: URETHCOMB

Date Report Requested: 10/24/2014  
 Time Report Requested: 03:41:07  
 First Dose M/F: NA / NA  
 Lab: NCTR

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MOUSE(B6C3F1/NCTR)  
 LAST REMOVAL AT 110 WEEKS

DOSE	FEMALE		
	0% ETH/ 0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/10PPMURE
<b>Mammary Gland</b>			
<b>Carcinoma or Adenoma</b>			
<b>TUMOR RATES</b>	#	#	#
OVERALL(a)	31/287 (11%)	28/143 (20%)	25/144 (17%)
POLY-3 RATE (b)	31/247.90	28/116.99	25/119.54
POLY-3 PERCENT (g)	12.5%	23.9%	20.9%
TERMINAL (d)	14/173 (8%)	9/60 (15%)	6/63 (10%)
FIRST INCIDENCE	391	607	559
HC TUMORS SAME ROUTE	0/0(0%)		
HC TUMORS ALL ROUTES	0/0(0%)		
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.010**	P=0.004**	P=0.026*
POLY 1.5	P=0.013*	P=0.006**	P=0.030*
POLY 6	P=0.007**	P=0.003**	P=0.021*
COCH-ARM / FISHERS	P=0.020*	P=0.011*	P=0.041*
MAX-ISO-POLY-3	P=0.012*	P=0.009**	P=0.036*
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**  
 Test Compound: Urethane + ethanol (combination)  
 CAS Number: URETHCOMB

Date Report Requested: 10/24/2014  
 Time Report Requested: 03:41:07  
 First Dose M/F: NA / NA  
 Lab: NCTR

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MOUSE(B6C3F1/NCTR)  
 LAST REMOVAL AT 110 WEEKS**

DOSE	FEMALE		
	0% ETH/ 0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/10PPMURE
<b>Mammary Gland</b>			
<b>Fibroma, Fibroadenoma or Adenoma</b>			
<b>TUMOR RATES</b>	#	#	#
OVERALL(a)	4/287 (1%)	0/143 (0%)	0/144 (0%)
POLY-3 RATE (b)	4/243.36	0/111.65	0/113.12
POLY-3 PERCENT (g)	1.6%	0%	0%
TERMINAL (d)	1/173 (1%)	0/60 (0%)	0/63 (0%)
FIRST INCIDENCE	669	---	---
HC TUMORS SAME ROUTE	0/0(0%)		
HC TUMORS ALL ROUTES	0/0(0%)		
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.074N	P=0.209N	P=0.206N
POLY 1.5	P=0.070N	P=0.199N	P=0.198N
POLY 6	P=0.081N	P=0.227N	P=0.219N
COCH-ARM / FISHERS	P=0.065N	P=0.197N	P=0.195N
MAX-ISO-POLY-3	P=0.100N	P=0.130N	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

**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**  
 Test Compound: Urethane + ethanol (combination)  
 CAS Number: URETHCOMB

Date Report Requested: 10/24/2014  
 Time Report Requested: 03:41:07  
 First Dose M/F: NA / NA  
 Lab: NCTR

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MOUSE(B6C3F1/NCTR)  
 LAST REMOVAL AT 110 WEEKS**

DOSE	FEMALE		
	0% ETH/ 0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/10PPMURE
<b>Mammary Gland</b>			
<b>Fibroma, Fibroadenoma, Carcinoma, or Adenoma</b>			
<b>TUMOR RATES</b>	#	#	#
OVERALL(a)	32/287 (11%)	28/143 (20%)	25/144 (17%)
POLY-3 RATE (b)	32/248.08	28/116.99	25/119.54
POLY-3 PERCENT (g)	12.9%	23.9%	20.9%
TERMINAL (d)	14/173 (8%)	9/60 (15%)	6/63 (10%)
FIRST INCIDENCE	391	607	559
HC TUMORS SAME ROUTE	0/0(0%)		
HC TUMORS ALL ROUTES	0/0(0%)		
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.014*	P=0.006**	P=0.033*
POLY 1.5	P=0.018*	P=0.008**	P=0.038*
POLY 6	P=0.010**	P=0.004**	P=0.027*
COCH-ARM / FISHERS	P=0.026*	P=0.014*	P=0.052
MAX-ISO-POLY-3	P=0.017*	P=0.012*	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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS  
 Test Compound: Urethane + ethanol (combination)  
 CAS Number: URETHCOMB

Date Report Requested: 10/24/2014  
 Time Report Requested: 03:41:07  
 First Dose M/F: NA / NA  
 Lab: NCTR

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MOUSE(B6C3F1/NCTR)  
 LAST REMOVAL AT 110 WEEKS

DOSE	FEMALE		
	0% ETH/ 0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/10PPMURE
<b>Mesentery</b>			
<b>Hemangiosarcoma</b>			
<b>TUMOR RATES</b>	#	#	#
OVERALL(a)	0/287 (0%)	1/143 (1%)	2/144 (1%)
POLY-3 RATE (b)	0/242.77	1/111.65	2/113.18
POLY-3 PERCENT (g)	0%	0.9%	1.8%
TERMINAL (d)	0/173 (0%)	1/60 (2%)	1/63 (2%)
FIRST INCIDENCE	---	765(T)	749
HC TUMORS SAME ROUTE	0/0(0%)		
HC TUMORS ALL ROUTES	0/0(0%)		
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.053	P=0.347	P=0.096
POLY 1.5	P=0.055	P=0.354	P=0.100
POLY 6	P=0.049*	P=0.337	P=0.092
COCH-ARM / FISHERS	P=0.058	P=0.333	P=0.111
MAX-ISO-POLY-3	P=0.068	P=0.110	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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS  
 Test Compound: Urethane + ethanol (combination)  
 CAS Number: URETHCOMB

Date Report Requested: 10/24/2014  
 Time Report Requested: 03:41:07  
 First Dose M/F: NA / NA  
 Lab: NCTR

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MOUSE(B6C3F1/NCTR)  
 LAST REMOVAL AT 110 WEEKS

DOSE	FEMALE		
	0% ETH/ 0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/10PPMURE
<b>Oral Cavity (Oral Mucosa, Tongue, Pharynx, Tooth, Gingiva)</b>			
<b>Squamous Cell Carcinoma</b>			
<b>TUMOR RATES</b>	#	#	#
OVERALL(a)	0/287 (0%)	0/143 (0%)	0/144 (0%)
POLY-3 RATE (b)	0/242.77	0/111.65	0/113.12
POLY-3 PERCENT (g)	0%	0%	0%
TERMINAL (d)	0/173 (0%)	0/60 (0%)	0/63 (0%)
FIRST INCIDENCE	---	---	---
HC TUMORS SAME ROUTE	0/0(0%)		
HC TUMORS ALL ROUTES	0/0(0%)		
<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	(n)	(n)	(n)
HISTCONT ALL RTES	(n)	(n)	(n)
CURR VS HC SAME RTE	(n)		
CURR VS HC ALL RTES	(n)		

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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS  
 Test Compound: Urethane + ethanol (combination)  
 CAS Number: URETHCOMB

Date Report Requested: 10/24/2014  
 Time Report Requested: 03:41:07  
 First Dose M/F: NA / NA  
 Lab: NCTR

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MOUSE(B6C3F1/NCTR)  
 LAST REMOVAL AT 110 WEEKS

FEMALE			
DOSE	0% ETH/ 0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/10PPMURE
<b>Oral Cavity (Oral Mucosa, Tongue, Pharynx, Tooth, Gingiva)</b>			
<b>Squamous Cell Carcinoma, Papilloma Squamous, or Papilloma</b>			
<b>TUMOR RATES</b>	#	#	#
OVERALL(a)	0/287 (0%)	0/143 (0%)	0/144 (0%)
POLY-3 RATE (b)	0/242.77	0/111.65	0/113.12
POLY-3 PERCENT (g)	0%	0%	0%
TERMINAL (d)	0/173 (0%)	0/60 (0%)	0/63 (0%)
FIRST INCIDENCE	---	---	---
HC TUMORS SAME ROUTE	0/0(0%)		
HC TUMORS ALL ROUTES	0/0(0%)		
<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	(n)	(n)	(n)
HISTCONT ALL RTEs	(n)	(n)	(n)
CURR VS HC SAME RTE	(n)		
CURR VS HC ALL RTEs	(n)		

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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS  
Test Compound: Urethane + ethanol (combination)  
CAS Number: URETHCOMB

Date Report Requested: 10/24/2014  
Time Report Requested: 03:41:07  
First Dose M/F: NA / NA  
Lab: NCTR

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MOUSE(B6C3F1/NCTR)  
LAST REMOVAL AT 110 WEEKS

DOSE	FEMALE		
	0% ETH/ 0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/10PPMURE
Ovary			
Adenoma			
<b>TUMOR RATES</b>			
OVERALL(a)	4/272 (1%)	1/141 (1%)	3/138 (2%)
POLY-3 RATE (b)	4/232.21	1/110.67	3/109.02
POLY-3 PERCENT (g)	1.7%	0.9%	2.8%
TERMINAL (d)	3/172 (2%)	0/60 (0%)	2/62 (3%)
FIRST INCIDENCE	717	670	702
HC TUMORS SAME ROUTE	0/0(0%)		
HC TUMORS ALL ROUTES	0/0(0%)		
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.391	P=0.457N	P=0.416
POLY 1.5	P=0.406	P=0.440N	P=0.432
POLY 6	P=0.368	P=0.484N	P=0.394
COCH-ARM / FISHERS	P=0.424	P=0.444N	P=0.437
MAX-ISO-POLY-3	P=0.334	P=0.311N	P=0.301
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS  
Test Compound: Urethane + ethanol (combination)  
CAS Number: URETHCOMB

Date Report Requested: 10/24/2014  
Time Report Requested: 03:41:07  
First Dose M/F: NA / NA  
Lab: NCTR

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MOUSE(B6C3F1/NCTR)  
LAST REMOVAL AT 110 WEEKS

DOSE	FEMALE		
	0% ETH/ 0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/10PPMURE
Ovary			
Cystadenoma			
<b>TUMOR RATES</b>			
OVERALL(a)	7/272 (3%)	4/141 (3%)	6/138 (4%)
POLY-3 RATE (b)	7/232.54	4/111.41	6/109.32
POLY-3 PERCENT (g)	3%	3.6%	5.5%
TERMINAL (d)	5/172 (3%)	1/60 (2%)	4/62 (6%)
FIRST INCIDENCE	605	529	661
HC TUMORS SAME ROUTE	0/0(0%)		
HC TUMORS ALL ROUTES	0/0(0%)		
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.178	P=0.516	P=0.211
POLY 1.5	P=0.194	P=0.541	P=0.227
POLY 6	P=0.155	P=0.477	P=0.189
COCH-ARM / FISHERS	P=0.216	P=0.552	P=0.246
MAX-ISO-POLY-3	P=0.240	P=0.405	P=0.176
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS  
 Test Compound: Urethane + ethanol (combination)  
 CAS Number: URETHCOMB

Date Report Requested: 10/24/2014  
 Time Report Requested: 03:41:07  
 First Dose M/F: NA / NA  
 Lab: NCTR

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MOUSE(B6C3F1/NCTR)  
 LAST REMOVAL AT 110 WEEKS

DOSE	FEMALE		
	0% ETH/ 0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/10PPMURE
<b>Ovary</b>			
<b>Granulosa Cell Tumor Benign</b>			
<b>TUMOR RATES</b>			
OVERALL(a)	5/272 (2%)	6/141 (4%)	8/138 (6%)
POLY-3 RATE (b)	5/233.04	6/111.47	8/109.30
POLY-3 PERCENT (g)	2.1%	5.4%	7.3%
TERMINAL (d)	2/172 (1%)	3/60 (5%)	6/62 (10%)
FIRST INCIDENCE	576	614	685
HC TUMORS SAME ROUTE	0/0(0%)		
HC TUMORS ALL ROUTES	0/0(0%)		
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.014*	P=0.105	P=0.022*
POLY 1.5	P=0.017*	P=0.117	P=0.025*
POLY 6	P=0.011*	P=0.088	P=0.018*
COCH-ARM / FISHERS	P=0.022*	P=0.131	P=0.034*
MAX-ISO-POLY-3	P=0.018*	P=0.090	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

**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**  
 Test Compound: Urethane + ethanol (combination)  
 CAS Number: URETHCOMB

Date Report Requested: 10/24/2014  
 Time Report Requested: 03:41:07  
 First Dose M/F: NA / NA  
 Lab: NCTR

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MOUSE(B6C3F1/NCTR)  
 LAST REMOVAL AT 110 WEEKS**

DOSE	FEMALE		
	0% ETH/ 0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/10PPMURE
<b>Ovary</b>			
<b>Granulosa Cell Tumor Malignant</b>			
<b>TUMOR RATES</b>			
OVERALL(a)	3/272 (1%)	0/141 (0%)	1/138 (1%)
POLY-3 RATE (b)	3/233.02	0/110.34	1/109.07
POLY-3 PERCENT (g)	1.3%	0%	0.9%
TERMINAL (d)	0/172 (0%)	0/60 (0%)	0/62 (0%)
FIRST INCIDENCE	635	---	688
HC TUMORS SAME ROUTE	0/0(0%)		
HC TUMORS ALL ROUTES	0/0(0%)		
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.401N	P=0.285N	P=0.594N
POLY 1.5	P=0.389N	P=0.273N	P=0.582N
POLY 6	P=0.419N	P=0.305N	P=0.612N
COCH-ARM / FISHERS	P=0.375N	P=0.285N	P=0.587N
MAX-ISO-POLY-3	P=0.363N	P=0.160N	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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS  
 Test Compound: Urethane + ethanol (combination)  
 CAS Number: URETHCOMB

Date Report Requested: 10/24/2014  
 Time Report Requested: 03:41:07  
 First Dose M/F: NA / NA  
 Lab: NCTR

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MOUSE(B6C3F1/NCTR)  
 LAST REMOVAL AT 110 WEEKS

DOSE	FEMALE		
	0% ETH/ 0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/10PPMURE
<b>Ovary</b>			
<b>Granulosa Cell Tumor: Benign, Malignant, NOS</b>			
<b>TUMOR RATES</b>			
OVERALL(a)	7/272 (3%)	6/141 (4%)	9/138 (7%)
POLY-3 RATE (b)	7/233.77	6/111.47	9/109.58
POLY-3 PERCENT (g)	3%	5.4%	8.2%
TERMINAL (d)	2/172 (1%)	3/60 (5%)	6/62 (10%)
FIRST INCIDENCE	576	614	685
HC TUMORS SAME ROUTE	0/0(0%)		
HC TUMORS ALL ROUTES	0/0(0%)		
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.024*	P=0.219	P=0.032*
POLY 1.5	P=0.028*	P=0.240	P=0.038*
POLY 6	P=0.018*	P=0.188	P=0.026*
COCH-ARM / FISHERS	P=0.036*	P=0.259	P=0.050*
MAX-ISO-POLY-3	P=0.031*	P=0.182	P=0.037*
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS  
 Test Compound: Urethane + ethanol (combination)  
 CAS Number: URETHCOMB

Date Report Requested: 10/24/2014  
 Time Report Requested: 03:41:07  
 First Dose M/F: NA / NA  
 Lab: NCTR

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MOUSE(B6C3F1/NCTR)  
 LAST REMOVAL AT 110 WEEKS

DOSE	FEMALE		
	0% ETH/ 0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/10PPMURE
<b>Ovary</b>			
<b>Hemangiosarcoma</b>			
<b>TUMOR RATES</b>			
OVERALL(a)	0/272 (0%)	3/141 (2%)	0/138 (0%)
POLY-3 RATE (b)	0/232.03	3/111.19	0/108.79
POLY-3 PERCENT (g)	0%	2.7%	0%
TERMINAL (d)	0/172 (0%)	0/60 (0%)	0/62 (0%)
FIRST INCIDENCE	---	611	---
HC TUMORS SAME ROUTE	0/0(0%)		
HC TUMORS ALL ROUTES	0/0(0%)		
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.398	P=0.030*	(e)
POLY 1.5	P=0.413	P=0.032*	(e)
POLY 6	P=0.378	P=0.027*	(e)
COCH-ARM / FISHERS	P=0.436	P=0.039*	(e)
MAX-ISO-POLY-3	P=0.154	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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS  
 Test Compound: Urethane + ethanol (combination)  
 CAS Number: URETHCOMB

Date Report Requested: 10/24/2014  
 Time Report Requested: 03:41:07  
 First Dose M/F: NA / NA  
 Lab: NCTR

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MOUSE(B6C3F1/NCTR)  
 LAST REMOVAL AT 110 WEEKS

DOSE	FEMALE		
	0% ETH/ 0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/10PPMURE
<b>Pituitary Gland: Pars Distalis or Unspecified Site</b>			
<b>Adenoma</b>			
<b>TUMOR RATES</b>	#	#	#
OVERALL(a)	30/247 (12%)	6/120 (5%)	12/119 (10%)
POLY-3 RATE (b)	30/212.89	6/94.68	12/95.09
POLY-3 PERCENT (g)	14.1%	6.3%	12.6%
TERMINAL (d)	23/152 (15%)	3/53 (6%)	11/56 (20%)
FIRST INCIDENCE	642	594	726
HC TUMORS SAME ROUTE	0/0(0%)		
HC TUMORS ALL ROUTES	0/0(0%)		
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.253N	P=0.040N*	P=0.434N
POLY 1.5	P=0.222N	P=0.032N*	P=0.397N
POLY 6	P=0.302N	P=0.058N	P=0.487N
COCH-ARM / FISHERS	P=0.186N	P=0.021N*	P=0.348N
MAX-ISO-POLY-3	P=0.232N	P=0.052N	P=0.386N
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS  
 Test Compound: Urethane + ethanol (combination)  
 CAS Number: URETHCOMB

Date Report Requested: 10/24/2014  
 Time Report Requested: 03:41:07  
 First Dose M/F: NA / NA  
 Lab: NCTR

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MOUSE(B6C3F1/NCTR)  
 LAST REMOVAL AT 110 WEEKS

DOSE	FEMALE		
	0% ETH/ 0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/10PPMURE
<b>Pituitary Gland: Pars Distalis or Unspecified Site</b>			
<b>Carcinoma or Adenoma</b>			
<b>TUMOR RATES</b>	#	#	#
OVERALL(a)	31/247 (13%)	6/120 (5%)	12/119 (10%)
POLY-3 RATE (b)	31/212.89	6/94.68	12/95.09
POLY-3 PERCENT (g)	14.6%	6.3%	12.6%
TERMINAL (d)	24/152 (16%)	3/53 (6%)	11/56 (20%)
FIRST INCIDENCE	642	594	726
HC TUMORS SAME ROUTE	0/0(0%)		
HC TUMORS ALL ROUTES	0/0(0%)		
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.214N	P=0.033N*	P=0.392N
POLY 1.5	P=0.186N	P=0.025N*	P=0.356N
POLY 6	P=0.260N	P=0.048N*	P=0.445N
COCH-ARM / FISHERS	P=0.154N	P=0.016N*	P=0.308N
MAX-ISO-POLY-3	P=0.201N	P=0.044N*	P=0.353N
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS  
 Test Compound: Urethane + ethanol (combination)  
 CAS Number: URETHCOMB

Date Report Requested: 10/24/2014  
 Time Report Requested: 03:41:07  
 First Dose M/F: NA / NA  
 Lab: NCTR

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MOUSE(B6C3F1/NCTR)  
 LAST REMOVAL AT 110 WEEKS

DOSE	FEMALE		
	0% ETH/ 0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/10PPMURE
<b>Skeletal Muscle</b>			
<b>Rhabdomyosarcoma</b>			
<b>TUMOR RATES</b>	#	#	#
OVERALL(a)	1/287 (0%)	0/143 (0%)	0/144 (0%)
POLY-3 RATE (b)	1/242.77	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)	---	---
HC TUMORS SAME ROUTE	0/0(0%)		
HC TUMORS ALL ROUTES	0/0(0%)		
<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	(n)	(n)	(n)
HISTCONT ALL RTEs	(n)	(n)	(n)
CURR VS HC SAME RTE	(n)		
CURR VS HC ALL RTEs	(n)		

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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS  
 Test Compound: Urethane + ethanol (combination)  
 CAS Number: URETHCOMB

Date Report Requested: 10/24/2014  
 Time Report Requested: 03:41:07  
 First Dose M/F: NA / NA  
 Lab: NCTR

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MOUSE(B6C3F1/NCTR)  
 LAST REMOVAL AT 110 WEEKS

FEMALE			
DOSE	0% ETH/ 0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/10PPMURE
<b>Skeletal Muscle</b>			
<b>Sarcoma</b>			
<b>TUMOR RATES</b>	#	#	#
OVERALL(a)	0/287 (0%)	0/143 (0%)	2/144 (1%)
POLY-3 RATE (b)	0/242.77	0/111.65	2/113.99
POLY-3 PERCENT (g)	0%	0%	1.8%
TERMINAL (d)	0/173 (0%)	0/60 (0%)	0/63 (0%)
FIRST INCIDENCE	---	---	629
HC TUMORS SAME ROUTE	0/0(0%)		
HC TUMORS ALL ROUTES	0/0(0%)		
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.041*	(e)	P=0.097
POLY 1.5	P=0.043*	(e)	P=0.100
POLY 6	P=0.039*	(e)	P=0.093
COCH-ARM / FISHERS	P=0.044*	(e)	P=0.111
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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS  
Test Compound: Urethane + ethanol (combination)  
CAS Number: URETHCOMB

Date Report Requested: 10/24/2014  
Time Report Requested: 03:41:07  
First Dose M/F: NA / NA  
Lab: NCTR

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MOUSE(B6C3F1/NCTR)  
LAST REMOVAL AT 110 WEEKS

FEMALE			
DOSE	0% ETH/ 0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/10PPMURE
<b>Skin</b>			
<b>Basal Cell Adenoma</b>			
<hr/>			
<b>TUMOR RATES</b>	#	#	#
OVERALL(a)	0/287 (0%)	0/143 (0%)	0/144 (0%)
POLY-3 RATE (b)	0/242.77	0/111.65	0/113.12
POLY-3 PERCENT (g)	0%	0%	0%
TERMINAL (d)	0/173 (0%)	0/60 (0%)	0/63 (0%)
FIRST INCIDENCE	---	---	---
HC TUMORS SAME ROUTE	0/0(0%)		
HC TUMORS ALL ROUTES	0/0(0%)		
<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	(n)	(n)	(n)
HISTCONT ALL RTEs	(n)	(n)	(n)
CURR VS HC SAME RTE	(n)		
CURR VS HC ALL RTEs	(n)		
<hr/>			

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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS  
 Test Compound: Urethane + ethanol (combination)  
 CAS Number: URETHCOMB

Date Report Requested: 10/24/2014  
 Time Report Requested: 03:41:07  
 First Dose M/F: NA / NA  
 Lab: NCTR

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MOUSE(B6C3F1/NCTR)  
 LAST REMOVAL AT 110 WEEKS

DOSE	FEMALE		
	0% ETH/ 0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/10PPMURE
<b>Skin</b>			
<b>Basal Cell Carcinoma</b>			
<b>TUMOR RATES</b>	#	#	#
OVERALL(a)	2/287 (1%)	0/143 (0%)	0/144 (0%)
POLY-3 RATE (b)	2/243.57	0/111.65	0/113.12
POLY-3 PERCENT (g)	0.8%	0%	0%
TERMINAL (d)	0/173 (0%)	0/60 (0%)	0/63 (0%)
FIRST INCIDENCE	551	---	---
HC TUMORS SAME ROUTE	0/0(0%)		
HC TUMORS ALL ROUTES	0/0(0%)		
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.211N	P=0.423N	P=0.420N
POLY 1.5	P=0.205N	P=0.413N	P=0.412N
POLY 6	P=0.222N	P=0.440N	P=0.432N
COCH-ARM / FISHERS	P=0.196N	P=0.445N	P=0.443N
MAX-ISO-POLY-3	P=0.246N	P=0.213N	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

**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**  
 Test Compound: Urethane + ethanol (combination)  
 CAS Number: URETHCOMB

Date Report Requested: 10/24/2014  
 Time Report Requested: 03:41:07  
 First Dose M/F: NA / NA  
 Lab: NCTR

**STATISTICAL ANALYSIS OF PRIMARY TUMORS 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/10PPMURE</b>	<b>5.0%ETH/10PPMURE</b>
<b>Skin</b>			
<b>Basal Cell Carcinoma or Basosquamous Tumor (malignant or NOS)</b>			
<b>TUMOR RATES</b>	<b>#</b>	<b>#</b>	<b>#</b>
OVERALL(a)	3/287 (1%)	0/143 (0%)	0/144 (0%)
POLY-3 RATE (b)	3/243.64	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	551	---	---
HC TUMORS SAME ROUTE	0/0(0%)		
HC TUMORS ALL ROUTES	0/0(0%)		
<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=0.281N
POLY 6	P=0.131N	P=0.311N	P=0.303N
COCH-ARM / FISHERS	P=0.111N	P=0.296N	P=0.294N
MAX-ISO-POLY-3	P=0.170N	P=0.165N	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

**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**  
 Test Compound: Urethane + ethanol (combination)  
 CAS Number: URETHCOMB

Date Report Requested: 10/24/2014  
 Time Report Requested: 03:41:07  
 First Dose M/F: NA / NA  
 Lab: NCTR

**STATISTICAL ANALYSIS OF PRIMARY TUMORS 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/10PPMURE</b>	<b>5.0%ETH/10PPMURE</b>
<b>Skin</b>			
<b>Basal Cell Carcinoma, Basal Cell Adenoma, Basosquamous Tumor (benign, malignant or NOS), or Trichoepithelioma</b>			
<b>TUMOR RATES</b>	<b>#</b>	<b>#</b>	<b>#</b>
OVERALL(a)	3/287 (1%)	0/143 (0%)	0/144 (0%)
POLY-3 RATE (b)	3/243.64	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	551	---	---
HC TUMORS SAME ROUTE	0/0(0%)		
HC TUMORS ALL ROUTES	0/0(0%)		
<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=0.281N
POLY 6	P=0.131N	P=0.311N	P=0.303N
COCH-ARM / FISHERS	P=0.111N	P=0.296N	P=0.294N
MAX-ISO-POLY-3	P=0.170N	P=0.165N	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

**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**  
 Test Compound: Urethane + ethanol (combination)  
 CAS Number: URETHCOMB

Date Report Requested: 10/24/2014  
 Time Report Requested: 03:41:07  
 First Dose M/F: NA / NA  
 Lab: NCTR

**STATISTICAL ANALYSIS OF PRIMARY TUMORS 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/10PPMURE</b>	<b>5.0%ETH/10PPMURE</b>
<b>Skin</b>			
<b>Basal or Sq. Cell Carcinoma, Carcinoma, Basosq. Tumor (M or B), Basal Cell Adenoma, Adenoma, Papilloma, Sq Papilloma, Keratoacanthoma, Trichoepithelioma</b>			
<b>TUMOR RATES</b>	<b>#</b>	<b>#</b>	<b>#</b>
OVERALL(a)	4/287 (1%)	0/143 (0%)	0/144 (0%)
POLY-3 RATE (b)	4/243.64	0/111.65	0/113.12
POLY-3 PERCENT (g)	1.6%	0%	0%
TERMINAL (d)	1/173 (1%)	0/60 (0%)	0/63 (0%)
FIRST INCIDENCE	551	---	---
HC TUMORS SAME ROUTE	0/0(0%)		
HC TUMORS ALL ROUTES	0/0(0%)		
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.074N	P=0.210N	P=0.206N
POLY 1.5	P=0.070N	P=0.199N	P=0.198N
POLY 6	P=0.081N	P=0.227N	P=0.220N
COCH-ARM / FISHERS	P=0.065N	P=0.197N	P=0.195N
MAX-ISO-POLY-3	P=0.100N	P=0.130N	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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS  
 Test Compound: Urethane + ethanol (combination)  
 CAS Number: URETHCOMB

Date Report Requested: 10/24/2014  
 Time Report Requested: 03:41:07  
 First Dose M/F: NA / NA  
 Lab: NCTR

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MOUSE(B6C3F1/NCTR)  
 LAST REMOVAL AT 110 WEEKS

DOSE	FEMALE		
	0% ETH/ 0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/10PPMURE
<b>Skin</b>			
<b>Fibroma</b>			
<b>TUMOR RATES</b>	#	#	#
OVERALL(a)	0/287 (0%)	1/143 (1%)	0/144 (0%)
POLY-3 RATE (b)	0/242.77	1/111.83	0/113.12
POLY-3 PERCENT (g)	0%	0.9%	0%
TERMINAL (d)	0/173 (0%)	0/60 (0%)	0/63 (0%)
FIRST INCIDENCE	---	718	---
HC TUMORS SAME ROUTE	0/0(0%)		
HC TUMORS ALL ROUTES	0/0(0%)		
<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	(n)	(n)	(n)
HISTCONT ALL RTEs	(n)	(n)	(n)
CURR VS HC SAME RTE	(n)		
CURR VS HC ALL RTEs	(n)		

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

**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**  
 Test Compound: Urethane + ethanol (combination)  
 CAS Number: URETHCOMB

Date Report Requested: 10/24/2014  
 Time Report Requested: 03:41:07  
 First Dose M/F: NA / NA  
 Lab: NCTR

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MOUSE(B6C3F1/NCTR)  
 LAST REMOVAL AT 110 WEEKS**

DOSE	FEMALE		
	0% ETH/ 0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/10PPMURE
<b>Skin</b>			
<b>Fibroma, Fibrosarcoma, Sarcoma, Myxoma, Myxosarcoma, or Fibrous Histiocytoma</b>			
<b>TUMOR RATES</b>	#	#	#
OVERALL(a)	19/287 (7%)	13/143 (9%)	18/144 (12%)
POLY-3 RATE (b)	19/245.39	13/114.10	18/116.17
POLY-3 PERCENT (g)	7.7%	11.4%	15.5%
TERMINAL (d)	8/173 (5%)	3/60 (5%)	5/63 (8%)
FIRST INCIDENCE	571	626	573
HC TUMORS SAME ROUTE	0/0(0%)		
HC TUMORS ALL ROUTES	0/0(0%)		
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.014*	P=0.178	P=0.019*
POLY 1.5	P=0.018*	P=0.204	P=0.023*
POLY 6	P=0.010**	P=0.143	P=0.014*
COCH-ARM / FISHERS	P=0.025*	P=0.232	P=0.033*
MAX-ISO-POLY-3	P=0.018*	P=0.172	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

**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**  
 Test Compound: Urethane + ethanol (combination)  
 CAS Number: URETHCOMB

Date Report Requested: 10/24/2014  
 Time Report Requested: 03:41:07  
 First Dose M/F: NA / NA  
 Lab: NCTR

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MOUSE(B6C3F1/NCTR)  
 LAST REMOVAL AT 110 WEEKS**

DOSE	FEMALE		
	0% ETH/ 0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/10PPMURE
<b>Skin</b>			
<b>Fibrosarcoma, Sarcoma, Myxosarcoma, or Fibrous Histiocytoma</b>			
<b>TUMOR RATES</b>	#	#	#
OVERALL(a)	19/287 (7%)	12/143 (8%)	18/144 (12%)
POLY-3 RATE (b)	19/245.39	12/113.93	18/116.17
POLY-3 PERCENT (g)	7.7%	10.5%	15.5%
TERMINAL (d)	8/173 (5%)	3/60 (5%)	5/63 (8%)
FIRST INCIDENCE	571	626	573
HC TUMORS SAME ROUTE	0/0(0%)		
HC TUMORS ALL ROUTES	0/0(0%)		
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.015*	P=0.252	P=0.019*
POLY 1.5	P=0.020*	P=0.284	P=0.023*
POLY 6	P=0.011*	P=0.209	P=0.014*
COCH-ARM / FISHERS	P=0.027*	P=0.314	P=0.033*
MAX-ISO-POLY-3	P=0.019*	P=0.232	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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS  
Test Compound: Urethane + ethanol (combination)  
CAS Number: URETHCOMB

Date Report Requested: 10/24/2014  
Time Report Requested: 03:41:07  
First Dose M/F: NA / NA  
Lab: NCTR

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MOUSE(B6C3F1/NCTR)  
LAST REMOVAL AT 110 WEEKS

DOSE	FEMALE		
	0% ETH/ 0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/10PPMURE
<b>Skin</b>			
<b>Hemangioma</b>			
<b>TUMOR RATES</b>	#	#	#
OVERALL(a)	1/287 (0%)	1/143 (1%)	0/144 (0%)
POLY-3 RATE (b)	1/242.77	1/111.65	0/113.12
POLY-3 PERCENT (g)	0.4%	0.9%	0%
TERMINAL (d)	1/173 (1%)	1/60 (2%)	0/63 (0%)
FIRST INCIDENCE	765(T)	765(T)	---
HC TUMORS SAME ROUTE	0/0(0%)		
HC TUMORS ALL ROUTES	0/0(0%)		
<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	(n)	(n)	(n)
HISTCONT ALL RTEs	(n)	(n)	(n)
CURR VS HC SAME RTE	(n)		
CURR VS HC ALL RTEs	(n)		

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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS  
 Test Compound: Urethane + ethanol (combination)  
 CAS Number: URETHCOMB

Date Report Requested: 10/24/2014  
 Time Report Requested: 03:41:07  
 First Dose M/F: NA / NA  
 Lab: NCTR

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MOUSE(B6C3F1/NCTR)  
 LAST REMOVAL AT 110 WEEKS

DOSE	FEMALE		
	0% ETH/ 0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/10PPMURE
<b>Skin</b>			
<b>Hemangiosarcoma</b>			
<b>TUMOR RATES</b>	#	#	#
OVERALL(a)	2/287 (1%)	2/143 (1%)	0/144 (0%)
POLY-3 RATE (b)	2/243.53	2/112.23	0/113.12
POLY-3 PERCENT (g)	0.8%	1.8%	0%
TERMINAL (d)	0/173 (0%)	0/60 (0%)	0/63 (0%)
FIRST INCIDENCE	605	677	---
HC TUMORS SAME ROUTE	0/0(0%)		
HC TUMORS ALL ROUTES	0/0(0%)		
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.417N	P=0.400	P=0.420N
POLY 1.5	P=0.402N	P=0.414	P=0.412N
POLY 6	P=0.440N	P=0.379	P=0.433N
COCH-ARM / FISHERS	P=0.380N	P=0.406	P=0.443N
MAX-ISO-POLY-3	P=0.257N	P=0.253	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

**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**  
 Test Compound: Urethane + ethanol (combination)  
 CAS Number: URETHCOMB

Date Report Requested: 10/24/2014  
 Time Report Requested: 03:41:07  
 First Dose M/F: NA / NA  
 Lab: NCTR

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MOUSE(B6C3F1/NCTR)  
 LAST REMOVAL AT 110 WEEKS**

DOSE	FEMALE		
	0% ETH/ 0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/10PPMURE
<b>Skin</b>			
<b>Sarcoma</b>			
<b>TUMOR RATES</b>	#	#	#
OVERALL(a)	18/287 (6%)	12/143 (8%)	18/144 (12%)
POLY-3 RATE (b)	18/245.39	12/113.93	18/116.17
POLY-3 PERCENT (g)	7.3%	10.5%	15.5%
TERMINAL (d)	7/173 (4%)	3/60 (5%)	5/63 (8%)
FIRST INCIDENCE	571	626	573
HC TUMORS SAME ROUTE	0/0(0%)		
HC TUMORS ALL ROUTES	0/0(0%)		
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.010**	P=0.210	P=0.013*
POLY 1.5	P=0.013*	P=0.238	P=0.016*
POLY 6	P=0.007**	P=0.172	P=0.010**
COCH-ARM / FISHERS	P=0.019*	P=0.267	P=0.024*
MAX-ISO-POLY-3	P=0.013*	P=0.197	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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS  
 Test Compound: Urethane + ethanol (combination)  
 CAS Number: URETHCOMB

Date Report Requested: 10/24/2014  
 Time Report Requested: 03:41:07  
 First Dose M/F: NA / NA  
 Lab: NCTR

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MOUSE(B6C3F1/NCTR)  
 LAST REMOVAL AT 110 WEEKS

DOSE	FEMALE		
	0% ETH/ 0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/10PPMURE
<b>Skin</b>			
<b>Squamous Cell Carcinoma</b>			
<b>TUMOR RATES</b>	#	#	#
OVERALL(a)	0/287 (0%)	0/143 (0%)	0/144 (0%)
POLY-3 RATE (b)	0/242.77	0/111.65	0/113.12
POLY-3 PERCENT (g)	0%	0%	0%
TERMINAL (d)	0/173 (0%)	0/60 (0%)	0/63 (0%)
FIRST INCIDENCE	---	---	---
HC TUMORS SAME ROUTE	0/0(0%)		
HC TUMORS ALL ROUTES	0/0(0%)		
<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	(n)	(n)	(n)
HISTCONT ALL RTEs	(n)	(n)	(n)
CURR VS HC SAME RTE	(n)		
CURR VS HC ALL RTEs	(n)		

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

**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**  
 Test Compound: Urethane + ethanol (combination)  
 CAS Number: URETHCOMB

Date Report Requested: 10/24/2014  
 Time Report Requested: 03:41:07  
 First Dose M/F: NA / NA  
 Lab: NCTR

**STATISTICAL ANALYSIS OF PRIMARY TUMORS 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/10PPMURE</b>	<b>5.0%ETH/10PPMURE</b>
<b>Skin</b>			
<b>Squamous Cell Carcinoma, Basal Cell Carcinoma, Basosquamous Tumor (malignant or NOS), or Carcinoma</b>			
<b>TUMOR RATES</b>	<b>#</b>	<b>#</b>	<b>#</b>
OVERALL(a)	3/287 (1%)	0/143 (0%)	0/144 (0%)
POLY-3 RATE (b)	3/243.64	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	551	---	---
HC TUMORS SAME ROUTE	0/0(0%)		
HC TUMORS ALL ROUTES	0/0(0%)		
<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=0.281N
POLY 6	P=0.131N	P=0.311N	P=0.303N
COCH-ARM / FISHERS	P=0.111N	P=0.296N	P=0.294N
MAX-ISO-POLY-3	P=0.170N	P=0.165N	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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS  
Test Compound: Urethane + ethanol (combination)  
CAS Number: URETHCOMB

Date Report Requested: 10/24/2014  
Time Report Requested: 03:41:07  
First Dose M/F: NA / NA  
Lab: NCTR

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MOUSE(B6C3F1/NCTR)  
LAST REMOVAL AT 110 WEEKS

DOSE	FEMALE		
	0% ETH/ 0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/10PPMURE
<b>Skin</b>			
<b>Squamous Cell Papilloma</b>			
<b>TUMOR RATES</b>	#	#	#
OVERALL(a)	0/287 (0%)	0/143 (0%)	0/144 (0%)
POLY-3 RATE (b)	0/242.77	0/111.65	0/113.12
POLY-3 PERCENT (g)	0%	0%	0%
TERMINAL (d)	0/173 (0%)	0/60 (0%)	0/63 (0%)
FIRST INCIDENCE	---	---	---
HC TUMORS SAME ROUTE	0/0(0%)		
HC TUMORS ALL ROUTES	0/0(0%)		
<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	(n)	(n)	(n)
HISTCONT ALL RTEs	(n)	(n)	(n)
CURR VS HC SAME RTE	(n)		
CURR VS HC ALL RTEs	(n)		

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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS  
Test Compound: Urethane + ethanol (combination)  
CAS Number: URETHCOMB

Date Report Requested: 10/24/2014  
Time Report Requested: 03:41:07  
First Dose M/F: NA / NA  
Lab: NCTR

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MOUSE(B6C3F1/NCTR)  
LAST REMOVAL AT 110 WEEKS

FEMALE			
DOSE	0% ETH/ 0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/10PPMURE
<b>Skin</b>			
<b>Squamous Cell Papilloma or Papilloma</b>			
<b>TUMOR RATES</b>	#	#	#
OVERALL(a)	1/287 (0%)	0/143 (0%)	0/144 (0%)
POLY-3 RATE (b)	1/242.77	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)	---	---
HC TUMORS SAME ROUTE	0/0(0%)		
HC TUMORS ALL ROUTES	0/0(0%)		
<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	(n)	(n)	(n)
HISTCONT ALL RTEs	(n)	(n)	(n)
CURR VS HC SAME RTE	(n)		
CURR VS HC ALL RTEs	(n)		

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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS  
Test Compound: Urethane + ethanol (combination)  
CAS Number: URETHCOMB

Date Report Requested: 10/24/2014  
Time Report Requested: 03:41:07  
First Dose M/F: NA / NA  
Lab: NCTR

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MOUSE(B6C3F1/NCTR)  
LAST REMOVAL AT 110 WEEKS

FEMALE			
DOSE	0% ETH/ 0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/10PPMURE
<b>Skin</b>			
<b>Squamous Cell Papilloma, Papilloma, Squamous Cell Carcinoma or Keratoacanthoma</b>			
<b>TUMOR RATES</b>	#	#	#
OVERALL(a)	1/287 (0%)	0/143 (0%)	0/144 (0%)
POLY-3 RATE (b)	1/242.77	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)	---	---
HC TUMORS SAME ROUTE	0/0(0%)		
HC TUMORS ALL ROUTES	0/0(0%)		
<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	(n)	(n)	(n)
HISTCONT ALL RTEs	(n)	(n)	(n)
CURR VS HC SAME RTE	(n)		
CURR VS HC ALL RTEs	(n)		

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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS  
Test Compound: Urethane + ethanol (combination)  
CAS Number: URETHCOMB

Date Report Requested: 10/24/2014  
Time Report Requested: 03:41:07  
First Dose M/F: NA / NA  
Lab: NCTR

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MOUSE(B6C3F1/NCTR)  
LAST REMOVAL AT 110 WEEKS

FEMALE			
DOSE	0% ETH/ 0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/10PPMURE
<b>Skin</b>			
<b>Squamous Cell Papilloma, Papilloma, or Keratoacanthoma</b>			
<b>TUMOR RATES</b>	#	#	#
OVERALL(a)	1/287 (0%)	0/143 (0%)	0/144 (0%)
POLY-3 RATE (b)	1/242.77	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)	---	---
HC TUMORS SAME ROUTE	0/0(0%)		
HC TUMORS ALL ROUTES	0/0(0%)		
<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	(n)	(n)	(n)
HISTCONT ALL RTEs	(n)	(n)	(n)
CURR VS HC SAME RTE	(n)		
CURR VS HC ALL RTEs	(n)		

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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS  
 Test Compound: Urethane + ethanol (combination)  
 CAS Number: URETHCOMB

Date Report Requested: 10/24/2014  
 Time Report Requested: 03:41:07  
 First Dose M/F: NA / NA  
 Lab: NCTR

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MOUSE(B6C3F1/NCTR)  
 LAST REMOVAL AT 110 WEEKS

DOSE	FEMALE		
	0% ETH/ 0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/10PPMURE
<b>Spleen</b>			
<b>Hemangioma</b>			
<b>TUMOR RATES</b>			
OVERALL(a)	0/281 (0%)	1/138 (1%)	1/140 (1%)
POLY-3 RATE (b)	0/239.07	1/108.84	1/110.61
POLY-3 PERCENT (g)	0%	0.9%	0.9%
TERMINAL (d)	0/173 (0%)	1/60 (2%)	1/63 (2%)
FIRST INCIDENCE	---	765(T)	765(T)
HC TUMORS SAME ROUTE	0/0(0%)		
HC TUMORS ALL ROUTES	0/0(0%)		
<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	(n)	(n)	(n)
HISTCONT ALL RTEs	(n)	(n)	(n)
CURR VS HC SAME RTE	(n)		
CURR VS HC ALL RTEs	(n)		

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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS  
Test Compound: Urethane + ethanol (combination)  
CAS Number: URETHCOMB

Date Report Requested: 10/24/2014  
Time Report Requested: 03:41:07  
First Dose M/F: NA / NA  
Lab: NCTR

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MOUSE(B6C3F1/NCTR)  
LAST REMOVAL AT 110 WEEKS

DOSE	FEMALE		
	0% ETH/ 0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/10PPMURE
<b>Spleen</b>			
<b>Hemangiosarcoma</b>			
<b>TUMOR RATES</b>			
OVERALL(a)	5/281 (2%)	3/138 (2%)	2/140 (1%)
POLY-3 RATE (b)	5/240.22	3/109.74	2/110.68
POLY-3 PERCENT (g)	2.1%	2.7%	1.8%
TERMINAL (d)	1/173 (1%)	0/60 (0%)	1/63 (2%)
FIRST INCIDENCE	605	626	749
HC TUMORS SAME ROUTE	0/0(0%)		
HC TUMORS ALL ROUTES	0/0(0%)		
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.553N	P=0.503	P=0.593N
POLY 1.5	P=0.532N	P=0.521	P=0.578N
POLY 6	P=0.576	P=0.474	P=0.615N
COCH-ARM / FISHERS	P=0.503N	P=0.523	P=0.572N
MAX-ISO-POLY-3	P=0.554N	P=0.376	P=0.443N
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS  
Test Compound: Urethane + ethanol (combination)  
CAS Number: URETHCOMB

Date Report Requested: 10/24/2014  
Time Report Requested: 03:41:07  
First Dose M/F: NA / NA  
Lab: NCTR

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MOUSE(B6C3F1/NCTR)  
LAST REMOVAL AT 110 WEEKS

DOSE	FEMALE		
	0% ETH/ 0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/10PPMURE
<b>Stomach, Forestomach</b>			
<b>Hemangiosarcoma</b>			
<b>TUMOR RATES</b>	#	#	#
OVERALL(a)	0/287 (0%)	0/143 (0%)	0/144 (0%)
POLY-3 RATE (b)	0/242.77	0/111.65	0/113.12
POLY-3 PERCENT (g)	0%	0%	0%
TERMINAL (d)	0/173 (0%)	0/60 (0%)	0/63 (0%)
FIRST INCIDENCE	---	---	---
HC TUMORS SAME ROUTE	0/0(0%)		
HC TUMORS ALL ROUTES	0/0(0%)		
<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	(n)	(n)	(n)
HISTCONT ALL RTEs	(n)	(n)	(n)
CURR VS HC SAME RTE	(n)		
CURR VS HC ALL RTEs	(n)		

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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS  
 Test Compound: Urethane + ethanol (combination)  
 CAS Number: URETHCOMB

Date Report Requested: 10/24/2014  
 Time Report Requested: 03:41:07  
 First Dose M/F: NA / NA  
 Lab: NCTR

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MOUSE(B6C3F1/NCTR)  
 LAST REMOVAL AT 110 WEEKS

DOSE	FEMALE		
	0% ETH/ 0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/10PPMURE
<b>Stomach, Forestomach</b>			
<b>Squamous Cell Carcinoma</b>			
<b>TUMOR RATES</b>	#	#	#
OVERALL(a)	2/287 (1%)	1/143 (1%)	0/144 (0%)
POLY-3 RATE (b)	2/243.12	1/112.01	0/113.12
POLY-3 PERCENT (g)	0.8%	0.9%	0%
TERMINAL (d)	1/173 (1%)	0/60 (0%)	0/63 (0%)
FIRST INCIDENCE	662	659	---
HC TUMORS SAME ROUTE	0/0(0%)		
HC TUMORS ALL ROUTES	0/0(0%)		
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.327N	P=0.708	P=0.420N
POLY 1.5	P=0.315N	P=0.719	P=0.411N
POLY 6	P=0.343N	P=0.691	P=0.432N
COCH-ARM / FISHERS	P=0.300N	P=0.704	P=0.443N
MAX-ISO-POLY-3	P=0.304N	P=0.478	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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS  
 Test Compound: Urethane + ethanol (combination)  
 CAS Number: URETHCOMB

Date Report Requested: 10/24/2014  
 Time Report Requested: 03:41:07  
 First Dose M/F: NA / NA  
 Lab: NCTR

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MOUSE(B6C3F1/NCTR)  
 LAST REMOVAL AT 110 WEEKS

DOSE	FEMALE		
	0% ETH/ 0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/10PPMURE
<b>Stomach, Forestomach</b>			
<b>Squamous Cell Carcinoma or Papilloma Squamous</b>			
<b>TUMOR RATES</b>	#	#	#
OVERALL(a)	15/287 (5%)	5/143 (3%)	5/144 (3%)
POLY-3 RATE (b)	15/244.28	5/112.12	5/113.34
POLY-3 PERCENT (g)	6.1%	4.5%	4.4%
TERMINAL (d)	9/173 (5%)	3/60 (5%)	4/63 (6%)
FIRST INCIDENCE	605	659	702
HC TUMORS SAME ROUTE	0/0(0%)		
HC TUMORS ALL ROUTES	0/0(0%)		
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.265N	P=0.349N	P=0.341N
POLY 1.5	P=0.240N	P=0.319N	P=0.316N
POLY 6	P=0.306N	P=0.399N	P=0.380N
COCH-ARM / FISHERS	P=0.210N	P=0.295N	P=0.289N
MAX-ISO-POLY-3	P=0.369N	P=0.297N	P=0.290N
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS  
 Test Compound: Urethane + ethanol (combination)  
 CAS Number: URETHCOMB

Date Report Requested: 10/24/2014  
 Time Report Requested: 03:41:07  
 First Dose M/F: NA / NA  
 Lab: NCTR

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MOUSE(B6C3F1/NCTR)  
 LAST REMOVAL AT 110 WEEKS

DOSE	FEMALE		
	0% ETH/ 0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/10PPMURE
<b>Stomach, Forestomach</b>			
<b>Squamous Cell Papilloma</b>			
<b>TUMOR RATES</b>	#	#	#
OVERALL(a)	13/287 (5%)	4/143 (3%)	5/144 (3%)
POLY-3 RATE (b)	13/243.93	4/111.76	5/113.34
POLY-3 PERCENT (g)	5.3%	3.6%	4.4%
TERMINAL (d)	8/173 (5%)	3/60 (5%)	4/63 (6%)
FIRST INCIDENCE	605	736	702
HC TUMORS SAME ROUTE	0/0(0%)		
HC TUMORS ALL ROUTES	0/0(0%)		
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.357N	P=0.329N	P=0.457N
POLY 1.5	P=0.331N	P=0.300N	P=0.431N
POLY 6	P=0.400N	P=0.375N	P=0.495N
COCH-ARM / FISHERS	P=0.298N	P=0.279N	P=0.407N
MAX-ISO-POLY-3	P=0.444N	P=0.276N	P=0.379N
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS  
Test Compound: Urethane + ethanol (combination)  
CAS Number: URETHCOMB

Date Report Requested: 10/24/2014  
Time Report Requested: 03:41:07  
First Dose M/F: NA / NA  
Lab: NCTR

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MOUSE(B6C3F1/NCTR)  
LAST REMOVAL AT 110 WEEKS

DOSE	FEMALE		
	0% ETH/ 0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/10PPMURE
<b>Stomach, Glandular Carcinoma or Adenoma</b>			
<b>TUMOR RATES</b>	#	#	#
OVERALL(a)	0/287 (0%)	0/143 (0%)	0/144 (0%)
POLY-3 RATE (b)	0/242.77	0/111.65	0/113.12
POLY-3 PERCENT (g)	0%	0%	0%
TERMINAL (d)	0/173 (0%)	0/60 (0%)	0/63 (0%)
FIRST INCIDENCE	---	---	---
HC TUMORS SAME ROUTE	0/0(0%)		
HC TUMORS ALL ROUTES	0/0(0%)		
<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	(n)	(n)	(n)
HISTCONT ALL RTEs	(n)	(n)	(n)
CURR VS HC SAME RTE	(n)		
CURR VS HC ALL RTEs	(n)		

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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS  
 Test Compound: Urethane + ethanol (combination)  
 CAS Number: URETHCOMB

Date Report Requested: 10/24/2014  
 Time Report Requested: 03:41:07  
 First Dose M/F: NA / NA  
 Lab: NCTR

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MOUSE(B6C3F1/NCTR)  
 LAST REMOVAL AT 110 WEEKS

DOSE	FEMALE		
	0% ETH/ 0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/10PPMURE
<b>Thymus</b>			
<b>Thymoma Benign</b>			
<b>TUMOR RATES</b>			
OVERALL(a)	0/227 (0%)	0/110 (0%)	0/120 (0%)
POLY-3 RATE (b)	0/191.87	0/87.52	0/92.14
POLY-3 PERCENT (g)	0%	0%	0%
TERMINAL (d)	0/135 (0%)	0/46 (0%)	0/50 (0%)
FIRST INCIDENCE	---	---	---
HC TUMORS SAME ROUTE	0/0(0%)		
HC TUMORS ALL ROUTES	0/0(0%)		
<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	(n)	(n)	(n)
HISTCONT ALL RTEs	(n)	(n)	(n)
CURR VS HC SAME RTE	(n)		
CURR VS HC ALL RTEs	(n)		

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

**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**  
 Test Compound: Urethane + ethanol (combination)  
 CAS Number: URETHCOMB

Date Report Requested: 10/24/2014  
 Time Report Requested: 03:41:07  
 First Dose M/F: NA / NA  
 Lab: NCTR

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MOUSE(B6C3F1/NCTR)  
 LAST REMOVAL AT 110 WEEKS**

DOSE	FEMALE		
	0% ETH/ 0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/10PPMURE
<b>Thyroid Gland: Follicular Cell</b>			
<b>Adenoma</b>			
<b>TUMOR RATES</b>	#	#	#
OVERALL(a)	7/277 (3%)	1/138 (1%)	2/139 (1%)
POLY-3 RATE (b)	7/236.13	1/108.93	2/109.47
POLY-3 PERCENT (g)	3%	0.9%	1.8%
TERMINAL (d)	3/169 (2%)	1/60 (2%)	1/60 (2%)
FIRST INCIDENCE	466	765(T)	629
HC TUMORS SAME ROUTE	0/0(0%)		
HC TUMORS ALL ROUTES	0/0(0%)		
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.252N	P=0.218N	P=0.401N
POLY 1.5	P=0.238N	P=0.204N	P=0.383N
POLY 6	P=0.275N	P=0.242N	P=0.427N
COCH-ARM / FISHERS	P=0.220N	P=0.194N	P=0.373N
MAX-ISO-POLY-3	P=0.302N	P=0.165N	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

**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**  
 Test Compound: Urethane + ethanol (combination)  
 CAS Number: URETHCOMB

Date Report Requested: 10/24/2014  
 Time Report Requested: 03:41:07  
 First Dose M/F: NA / NA  
 Lab: NCTR

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MOUSE(B6C3F1/NCTR)  
 LAST REMOVAL AT 110 WEEKS**

DOSE	FEMALE		
	0% ETH/ 0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/10PPMURE
<b>Thyroid Gland: Follicular Cell Carcinoma or Adenoma</b>			
<b>TUMOR RATES</b>	#	#	#
OVERALL(a)	8/277 (3%)	1/138 (1%)	2/139 (1%)
POLY-3 RATE (b)	8/236.13	1/108.93	2/109.47
POLY-3 PERCENT (g)	3.4%	0.9%	1.8%
TERMINAL (d)	4/169 (2%)	1/60 (2%)	1/60 (2%)
FIRST INCIDENCE	466	765(T)	629
HC TUMORS SAME ROUTE	0/0(0%)		
HC TUMORS ALL ROUTES	0/0(0%)		
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.183N	P=0.168N	P=0.325N
POLY 1.5	P=0.170N	P=0.155N	P=0.308N
POLY 6	P=0.203N	P=0.190N	P=0.351N
COCH-ARM / FISHERS	P=0.156N	P=0.141N	P=0.294N
MAX-ISO-POLY-3	P=0.239N	P=0.133N	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

**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**  
 Test Compound: Urethane + ethanol (combination)  
 CAS Number: URETHCOMB

Date Report Requested: 10/24/2014  
 Time Report Requested: 03:41:07  
 First Dose M/F: NA / NA  
 Lab: NCTR

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MOUSE(B6C3F1/NCTR)  
 LAST REMOVAL AT 110 WEEKS**

DOSE	FEMALE		
	0% ETH/ 0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/10PPMURE
<b>Tissue NOS</b>			
<b>Sarcoma</b>			
<b>TUMOR RATES</b>	#	#	#
OVERALL(a)	2/287 (1%)	1/143 (1%)	0/144 (0%)
POLY-3 RATE (b)	2/244.03	1/111.65	0/113.12
POLY-3 PERCENT (g)	0.8%	0.9%	0%
TERMINAL (d)	0/173 (0%)	1/60 (2%)	0/63 (0%)
FIRST INCIDENCE	521	765(T)	---
HC TUMORS SAME ROUTE	0/0(0%)		
HC TUMORS ALL ROUTES	0/0(0%)		
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.328N	P=0.706	P=0.421N
POLY 1.5	P=0.316N	P=0.718	P=0.412N
POLY 6	P=0.345N	P=0.688	P=0.433N
COCH-ARM / FISHERS	P=0.300N	P=0.704	P=0.443N
MAX-ISO-POLY-3	P=0.305N	P=0.476	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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS  
 Test Compound: Urethane + ethanol (combination)  
 CAS Number: URETHCOMB

Date Report Requested: 10/24/2014  
 Time Report Requested: 03:41:07  
 First Dose M/F: NA / NA  
 Lab: NCTR

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MOUSE(B6C3F1/NCTR)  
 LAST REMOVAL AT 110 WEEKS

DOSE	FEMALE		
	0% ETH/ 0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/10PPMURE
<b>Tongue</b>			
<b>Squamous Cell Carcinoma</b>			
<b>TUMOR RATES</b>	#	#	#
OVERALL(a)	0/287 (0%)	0/143 (0%)	0/144 (0%)
POLY-3 RATE (b)	0/242.77	0/111.65	0/113.12
POLY-3 PERCENT (g)	0%	0%	0%
TERMINAL (d)	0/173 (0%)	0/60 (0%)	0/63 (0%)
FIRST INCIDENCE	---	---	---
HC TUMORS SAME ROUTE	0/0(0%)		
HC TUMORS ALL ROUTES	0/0(0%)		
<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	(n)	(n)	(n)
HISTCONT ALL RTEs	(n)	(n)	(n)
CURR VS HC SAME RTE	(n)		
CURR VS HC ALL RTEs	(n)		

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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS  
Test Compound: Urethane + ethanol (combination)  
CAS Number: URETHCOMB

Date Report Requested: 10/24/2014  
Time Report Requested: 03:41:07  
First Dose M/F: NA / NA  
Lab: NCTR

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MOUSE(B6C3F1/NCTR)  
LAST REMOVAL AT 110 WEEKS

DOSE	FEMALE		
	0% ETH/ 0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/10PPMURE
<b>Urinary Bladder</b>			
<b>Hemangioma</b>			
<b>TUMOR 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	---	---	---
HC TUMORS SAME ROUTE	0/0(0%)		
HC TUMORS ALL ROUTES	0/0(0%)		
<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	(n)	(n)	(n)
HISTCONT ALL RTEs	(n)	(n)	(n)
CURR VS HC SAME RTE	(n)		
CURR VS HC ALL RTEs	(n)		

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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS  
 Test Compound: Urethane + ethanol (combination)  
 CAS Number: URETHCOMB

Date Report Requested: 10/24/2014  
 Time Report Requested: 03:41:07  
 First Dose M/F: NA / NA  
 Lab: NCTR

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MOUSE(B6C3F1/NCTR)  
 LAST REMOVAL AT 110 WEEKS

DOSE	FEMALE		
	0% ETH/ 0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/10PPMURE
<b>Uterus</b>			
<b>Adenoma</b>			
<b>TUMOR RATES</b>	#	#	#
OVERALL(a)	2/287 (1%)	0/143 (0%)	1/144 (1%)
POLY-3 RATE (b)	2/243.07	0/111.65	1/113.12
POLY-3 PERCENT (g)	0.8%	0%	0.9%
TERMINAL (d)	1/173 (1%)	0/60 (0%)	1/63 (2%)
FIRST INCIDENCE	678	---	765(T)
HC TUMORS SAME ROUTE	0/0(0%)		
HC TUMORS ALL ROUTES	0/0(0%)		
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.590N	P=0.423N	P=0.711
POLY 1.5	P=0.580N	P=0.413N	P=0.719
POLY 6	P=0.605N	P=0.439N	P=0.697
COCH-ARM / FISHERS	P=0.568N	P=0.445N	P=0.706
MAX-ISO-POLY-3	P=0.500N	P=0.213N	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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS  
 Test Compound: Urethane + ethanol (combination)  
 CAS Number: URETHCOMB

Date Report Requested: 10/24/2014  
 Time Report Requested: 03:41:07  
 First Dose M/F: NA / NA  
 Lab: NCTR

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MOUSE(B6C3F1/NCTR)  
 LAST REMOVAL AT 110 WEEKS

DOSE	FEMALE		
	0% ETH/ 0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/10PPMURE
<b>Uterus</b>			
<b>Hemangioma</b>			
<b>TUMOR RATES</b>	#	#	#
OVERALL(a)	3/287 (1%)	4/143 (3%)	4/144 (3%)
POLY-3 RATE (b)	3/242.77	4/112.96	4/113.61
POLY-3 PERCENT (g)	1.2%	3.5%	3.5%
TERMINAL (d)	3/173 (2%)	1/60 (2%)	1/63 (2%)
FIRST INCIDENCE	765(T)	608	675
HC TUMORS SAME ROUTE	0/0(0%)		
HC TUMORS ALL ROUTES	0/0(0%)		
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.096	P=0.150	P=0.152
POLY 1.5	P=0.105	P=0.160	P=0.161
POLY 6	P=0.085	P=0.135	P=0.140
COCH-ARM / FISHERS	P=0.117	P=0.170	P=0.173
MAX-ISO-POLY-3	P=0.133	P=0.112	P=0.113
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS  
 Test Compound: Urethane + ethanol (combination)  
 CAS Number: URETHCOMB

Date Report Requested: 10/24/2014  
 Time Report Requested: 03:41:07  
 First Dose M/F: NA / NA  
 Lab: NCTR

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MOUSE(B6C3F1/NCTR)  
 LAST REMOVAL AT 110 WEEKS

DOSE	FEMALE		
	0% ETH/ 0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/10PPMURE
<b>Uterus</b>			
<b>Hemangiosarcoma</b>			
<b>TUMOR RATES</b>	#	#	#
OVERALL(a)	2/287 (1%)	2/143 (1%)	4/144 (3%)
POLY-3 RATE (b)	2/243.30	2/111.90	4/113.22
POLY-3 PERCENT (g)	0.8%	1.8%	3.5%
TERMINAL (d)	0/173 (0%)	1/60 (2%)	2/63 (3%)
FIRST INCIDENCE	676	696	749
HC TUMORS SAME ROUTE	0/0(0%)		
HC TUMORS ALL ROUTES	0/0(0%)		
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.056	P=0.399	P=0.082
POLY 1.5	P=0.061	P=0.413	P=0.087
POLY 6	P=0.049*	P=0.378	P=0.074
COCH-ARM / FISHERS	P=0.067	P=0.406	P=0.099
MAX-ISO-POLY-3	P=0.075	P=0.253	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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS  
 Test Compound: Urethane + ethanol (combination)  
 CAS Number: URETHCOMB

Date Report Requested: 10/24/2014  
 Time Report Requested: 03:41:07  
 First Dose M/F: NA / NA  
 Lab: NCTR

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MOUSE(B6C3F1/NCTR)  
 LAST REMOVAL AT 110 WEEKS

DOSE	FEMALE		
	0% ETH/ 0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/10PPMURE
<b>Uterus</b>			
<b>Leiomyoma</b>			
<b>TUMOR RATES</b>	#	#	#
OVERALL(a)	1/287 (0%)	0/143 (0%)	2/144 (1%)
POLY-3 RATE (b)	1/242.77	0/111.65	2/113.72
POLY-3 PERCENT (g)	0.4%	0%	1.8%
TERMINAL (d)	1/173 (1%)	0/60 (0%)	0/63 (0%)
FIRST INCIDENCE	765(T)	---	670
HC TUMORS SAME ROUTE	0/0(0%)		
HC TUMORS ALL ROUTES	0/0(0%)		
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.182	P=0.653N	P=0.252
POLY 1.5	P=0.187	P=0.646N	P=0.260
POLY 6	P=0.175	P=0.663N	P=0.242
COCH-ARM / FISHERS	P=0.192	P=0.667N	P=0.260
MAX-ISO-POLY-3	P=0.116	P=0.286N	P=0.140
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS  
 Test Compound: Urethane + ethanol (combination)  
 CAS Number: URETHCOMB

Date Report Requested: 10/24/2014  
 Time Report Requested: 03:41:07  
 First Dose M/F: NA / NA  
 Lab: NCTR

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MOUSE(B6C3F1/NCTR)  
 LAST REMOVAL AT 110 WEEKS

DOSE	FEMALE		
	0% ETH/ 0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/10PPMURE
<b>Uterus</b>			
<b>Polyp Stromal</b>			
<b>TUMOR RATES</b>	#	#	#
OVERALL(a)	4/287 (1%)	1/143 (1%)	1/144 (1%)
POLY-3 RATE (b)	4/243.52	1/111.65	1/113.12
POLY-3 PERCENT (g)	1.6%	0.9%	0.9%
TERMINAL (d)	2/173 (1%)	1/60 (2%)	1/63 (2%)
FIRST INCIDENCE	576	765(T)	765(T)
HC TUMORS SAME ROUTE	0/0(0%)		
HC TUMORS ALL ROUTES	0/0(0%)		
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.342N	P=0.473N	P=0.467N
POLY 1.5	P=0.328N	P=0.456N	P=0.454N
POLY 6	P=0.364N	P=0.499N	P=0.487N
COCH-ARM / FISHERS	P=0.310N	P=0.462N	P=0.459N
MAX-ISO-POLY-3	P=0.430N	P=0.323N	P=0.318N
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**  
 Test Compound: Urethane + ethanol (combination)  
 CAS Number: URETHCOMB

Date Report Requested: 10/24/2014  
 Time Report Requested: 03:41:07  
 First Dose M/F: NA / NA  
 Lab: NCTR

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MOUSE(B6C3F1/NCTR)  
 LAST REMOVAL AT 110 WEEKS**

DOSE	FEMALE		
	0% ETH/ 0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/10PPMURE
<b>Uterus</b>			
<b>Sarcoma</b>			
<b>TUMOR RATES</b>	#	#	#
OVERALL(a)	2/287 (1%)	1/143 (1%)	0/144 (0%)
POLY-3 RATE (b)	2/243.50	1/111.65	0/113.12
POLY-3 PERCENT (g)	0.8%	0.9%	0%
TERMINAL (d)	0/173 (0%)	1/60 (2%)	0/63 (0%)
FIRST INCIDENCE	522	765(T)	---
HC TUMORS SAME ROUTE	0/0(0%)		
HC TUMORS ALL ROUTES	0/0(0%)		
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.327N	P=0.707	P=0.420N
POLY 1.5	P=0.316N	P=0.718	P=0.412N
POLY 6	P=0.344N	P=0.689	P=0.432N
COCH-ARM / FISHERS	P=0.300N	P=0.704	P=0.443N
MAX-ISO-POLY-3	P=0.304N	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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS  
 Test Compound: Urethane + ethanol (combination)  
 CAS Number: URETHCOMB

Date Report Requested: 10/24/2014  
 Time Report Requested: 03:41:07  
 First Dose M/F: NA / NA  
 Lab: NCTR

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MOUSE(B6C3F1/NCTR)  
 LAST REMOVAL AT 110 WEEKS

DOSE	FEMALE		
	0% ETH/ 0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/10PPMURE
<b>Uterus</b>			
<b>Sarcoma Stromal</b>			
<b>TUMOR RATES</b>	#	#	#
OVERALL(a)	2/287 (1%)	2/143 (1%)	3/144 (2%)
POLY-3 RATE (b)	2/243.45	2/112.76	3/114.58
POLY-3 PERCENT (g)	0.8%	1.8%	2.6%
TERMINAL (d)	1/173 (1%)	0/60 (0%)	0/63 (0%)
FIRST INCIDENCE	521	516	478
HC TUMORS SAME ROUTE	0/0(0%)		
HC TUMORS ALL ROUTES	0/0(0%)		
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.135	P=0.402	P=0.195
POLY 1.5	P=0.142	P=0.415	P=0.203
POLY 6	P=0.124	P=0.382	P=0.184
COCH-ARM / FISHERS	P=0.152	P=0.406	P=0.210
MAX-ISO-POLY-3	P=0.187	P=0.254	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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS  
Test Compound: Urethane + ethanol (combination)  
CAS Number: URETHCOMB

Date Report Requested: 10/24/2014  
Time Report Requested: 03:41:07  
First Dose M/F: NA / NA  
Lab: NCTR

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MOUSE(B6C3F1/NCTR)  
LAST REMOVAL AT 110 WEEKS

DOSE	FEMALE		
	0% ETH/ 0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/10PPMURE
<b>Uterus</b>			
<b>Sarcoma Stromal or Polyp Stromal</b>			
<b>TUMOR RATES</b>	#	#	#
OVERALL(a)	6/287 (2%)	3/143 (2%)	4/144 (3%)
POLY-3 RATE (b)	6/244.20	3/112.76	4/114.58
POLY-3 PERCENT (g)	2.5%	2.7%	3.5%
TERMINAL (d)	3/173 (2%)	1/60 (2%)	1/63 (2%)
FIRST INCIDENCE	521	516	478
HC TUMORS SAME ROUTE	0/0(0%)		
HC TUMORS ALL ROUTES	0/0(0%)		
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.360	P=0.597	P=0.418
POLY 1.5	P=0.378	P=0.617	P=0.434
POLY 6	P=0.333	P=0.565	P=0.393
COCH-ARM / FISHERS	P=0.401	P=0.623	P=0.443
MAX-ISO-POLY-3	P=0.442	P=0.462	P=0.321
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS  
 Test Compound: Urethane + ethanol (combination)  
 CAS Number: URETHCOMB

Date Report Requested: 10/24/2014  
 Time Report Requested: 03:41:07  
 First Dose M/F: NA / NA  
 Lab: NCTR

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MOUSE(B6C3F1/NCTR)  
 LAST REMOVAL AT 110 WEEKS

DOSE	FEMALE		
	0% ETH/ 0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/10PPMURE
<b>All Organs</b>			
<b>Benign Tumors</b>			
<b>TUMOR RATES</b>	#	#	#
OVERALL(a)	171/287 (60%)	91/143 (64%)	104/144 (72%)
POLY-3 RATE (b)	171/265.78	91/127.54	104/130.52
POLY-3 PERCENT (g)	64.3%	71.4%	79.7%
TERMINAL (d)	102/173 (59%)	41/60 (68%)	49/63 (78%)
FIRST INCIDENCE	391	306	380
HC TUMORS SAME ROUTE	0/0(0%)		
HC TUMORS ALL ROUTES	0/0(0%)		
<b>STATISTICAL TESTS</b>			
POLY 3	P<0.001**	P=0.096	P<0.001**
POLY 1.5	P<0.001**	P=0.152	P=0.002**
POLY 6	P=0.000**	P=0.051	P=0.000**
COCH-ARM / FISHERS	P=0.007**	P=0.240	P=0.006**
MAX-ISO-POLY-3	P<0.001**	P=0.113	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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS  
 Test Compound: Urethane + ethanol (combination)  
 CAS Number: URETHCOMB

Date Report Requested: 10/24/2014  
 Time Report Requested: 03:41:07  
 First Dose M/F: NA / NA  
 Lab: NCTR

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MOUSE(B6C3F1/NCTR)  
 LAST REMOVAL AT 110 WEEKS

DOSE	FEMALE		
	0% ETH/ 0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/10PPMURE
<b>All Organs</b>			
<b>Hemangioma</b>			
<b>TUMOR RATES</b>	#	#	#
OVERALL(a)	7/287 (2%)	7/143 (5%)	9/144 (6%)
POLY-3 RATE (b)	7/243.09	7/113.13	9/114.02
POLY-3 PERCENT (g)	2.9%	6.2%	7.9%
TERMINAL (d)	5/173 (3%)	3/60 (5%)	5/63 (8%)
FIRST INCIDENCE	719	608	643
HC TUMORS SAME ROUTE	0/0(0%)		
HC TUMORS ALL ROUTES	0/0(0%)		
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.022*	P=0.117	P=0.032*
POLY 1.5	P=0.026*	P=0.130	P=0.037*
POLY 6	P=0.017*	P=0.099	P=0.027*
COCH-ARM / FISHERS	P=0.032*	P=0.144	P=0.047*
MAX-ISO-POLY-3	P=0.028*	P=0.106	P=0.036*
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS  
 Test Compound: Urethane + ethanol (combination)  
 CAS Number: URETHCOMB

Date Report Requested: 10/24/2014  
 Time Report Requested: 03:41:07  
 First Dose M/F: NA / NA  
 Lab: NCTR

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MOUSE(B6C3F1/NCTR)  
 LAST REMOVAL AT 110 WEEKS

DOSE	FEMALE		
	0% ETH/ 0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/10PPMURE
<b>All Organs</b>			
<b>Hemangiosarcoma</b>			
<b>TUMOR RATES</b>	#	#	#
OVERALL(a)	16/287 (6%)	20/143 (14%)	17/144 (12%)
POLY-3 RATE (b)	16/245.81	20/116.69	17/116.22
POLY-3 PERCENT (g)	6.5%	17.1%	14.6%
TERMINAL (d)	5/173 (3%)	4/60 (7%)	5/63 (8%)
FIRST INCIDENCE	551	508	485
HC TUMORS SAME ROUTE	0/0(0%)		
HC TUMORS ALL ROUTES	0/0(0%)		
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.004**	P<0.001**	P=0.011*
POLY 1.5	P=0.005**	P=0.002**	P=0.013*
POLY 6	P=0.002**	P<0.001**	P=0.008**
COCH-ARM / FISHERS	P=0.009**	P=0.003**	P=0.020*
MAX-ISO-POLY-3	P=0.004**	P=0.003**	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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS  
 Test Compound: Urethane + ethanol (combination)  
 CAS Number: URETHCOMB

Date Report Requested: 10/24/2014  
 Time Report Requested: 03:41:07  
 First Dose M/F: NA / NA  
 Lab: NCTR

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MOUSE(B6C3F1/NCTR)  
 LAST REMOVAL AT 110 WEEKS

DOSE	FEMALE		
	0% ETH/ 0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/10PPMURE
<b>All Organs</b>			
<b>Hemangiosarcoma or Hemangioma</b>			
<b>TUMOR RATES</b>	#	#	#
OVERALL(a)	21/287 (7%)	27/143 (19%)	25/144 (17%)
POLY-3 RATE (b)	21/245.98	27/118.17	25/117.07
POLY-3 PERCENT (g)	8.5%	22.8%	21.4%
TERMINAL (d)	9/173 (5%)	7/60 (12%)	10/63 (16%)
FIRST INCIDENCE	551	508	485
HC TUMORS SAME ROUTE	0/0(0%)		
HC TUMORS ALL ROUTES	0/0(0%)		
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.000**	P=0.000**	P<0.001**
POLY 1.5	P=0.000**	P=0.000**	P<0.001**
POLY 6	P=0.000**	P=0.000**	P=0.000**
COCH-ARM / FISHERS	P<0.001**	P=0.000**	P=0.002**
MAX-ISO-POLY-3	P=0.000**	P<0.001**	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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS  
 Test Compound: Urethane + ethanol (combination)  
 CAS Number: URETHCOMB

Date Report Requested: 10/24/2014  
 Time Report Requested: 03:41:07  
 First Dose M/F: NA / NA  
 Lab: NCTR

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MOUSE(B6C3F1/NCTR)  
 LAST REMOVAL AT 110 WEEKS

DOSE	FEMALE		
	0% ETH/ 0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/10PPMURE
<b>All Organs</b>			
<b>Histiocytic Sarcoma</b>			
<b>TUMOR RATES</b>	#	#	#
OVERALL(a)	13/287 (5%)	7/143 (5%)	5/144 (3%)
POLY-3 RATE (b)	13/246.31	7/112.73	5/113.87
POLY-3 PERCENT (g)	5.3%	6.2%	4.4%
TERMINAL (d)	1/173 (1%)	2/60 (3%)	0/63 (0%)
FIRST INCIDENCE	515	607	674
HC TUMORS SAME ROUTE	0/0(0%)		
HC TUMORS ALL ROUTES	0/0(0%)		
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.455N	P=0.457	P=0.461N
POLY 1.5	P=0.421N	P=0.492	P=0.434N
POLY 6	P=0.506N	P=0.405	P=0.501N
COCH-ARM / FISHERS	P=0.377N	P=0.519	P=0.407N
MAX-ISO-POLY-3	P=0.481N	P=0.384	P=0.383N
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS  
 Test Compound: Urethane + ethanol (combination)  
 CAS Number: URETHCOMB

Date Report Requested: 10/24/2014  
 Time Report Requested: 03:41:07  
 First Dose M/F: NA / NA  
 Lab: NCTR

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MOUSE(B6C3F1/NCTR)  
 LAST REMOVAL AT 110 WEEKS

FEMALE			
DOSE	0% ETH/ 0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/10PPMURE
<b>All Organs</b>			
<b>Malignant Lymphoma: Histiocytic, Lymphocytic, Mixed, NOS, or Undifferentiated Cell Type</b>			
<b>TUMOR RATES</b>	#	#	#
OVERALL(a)	59/287 (21%)	27/143 (19%)	31/144 (22%)
POLY-3 RATE (b)	59/254.06	27/117.69	31/121.79
POLY-3 PERCENT (g)	23.2%	22.9%	25.5%
TERMINAL (d)	27/173 (16%)	12/60 (20%)	11/63 (17%)
FIRST INCIDENCE	193	360	285
HC TUMORS SAME ROUTE	0/0(0%)		
HC TUMORS ALL ROUTES	0/0(0%)		
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.357	P=0.529N	P=0.365
POLY 1.5	P=0.405	P=0.460N	P=0.403
POLY 6	P=0.287	P=0.474	P=0.309
COCH-ARM / FISHERS	P=0.468	P=0.392N	P=0.454
MAX-ISO-POLY-3	P=0.463	P=0.480N	P=0.343
HISTCONT SAME RTE			
HISTCONT ALL RTES			
CURR VS HC SAME RTE			
CURR VS HC ALL RTES			

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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS  
 Test Compound: Urethane + ethanol (combination)  
 CAS Number: URETHCOMB

Date Report Requested: 10/24/2014  
 Time Report Requested: 03:41:07  
 First Dose M/F: NA / NA  
 Lab: NCTR

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MOUSE(B6C3F1/NCTR)  
 LAST REMOVAL AT 110 WEEKS

DOSE	FEMALE		
	0% ETH/ 0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/10PPMURE
<b>All Organs</b>			
<b>Malignant Tumors</b>			
<b>TUMOR RATES</b>	#	#	#
OVERALL(a)	160/287 (56%)	105/143 (73%)	118/144 (82%)
POLY-3 RATE (b)	160/275.43	105/135.22	118/137.99
POLY-3 PERCENT (g)	58.1%	77.7%	85.5%
TERMINAL (d)	67/173 (39%)	39/60 (65%)	47/63 (75%)
FIRST INCIDENCE	193	360	285
HC TUMORS SAME ROUTE	0/0(0%)		
HC TUMORS ALL ROUTES	0/0(0%)		
<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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS  
 Test Compound: Urethane + ethanol (combination)  
 CAS Number: URETHCOMB

Date Report Requested: 10/24/2014  
 Time Report Requested: 03:41:07  
 First Dose M/F: NA / NA  
 Lab: NCTR

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MOUSE(B6C3F1/NCTR)  
 LAST REMOVAL AT 110 WEEKS

DOSE	FEMALE		
	0% ETH/ 0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/10PPMURE
<b>All Organs</b>			
<b>Malignant and Benign Tumors</b>			
<b>TUMOR RATES</b>	#	#	#
OVERALL(a)	225/287 (78%)	126/143 (88%)	137/144 (95%)
POLY-3 RATE (b)	225/277.03	126/139.68	137/139.70
POLY-3 PERCENT (g)	81.2%	90.2%	98.1%
TERMINAL (d)	126/173 (73%)	50/60 (83%)	61/63 (97%)
FIRST INCIDENCE	193	306	285
HC TUMORS SAME ROUTE	0/0(0%)		
HC TUMORS ALL ROUTES	0/0(0%)		
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.000**	P=0.011*	P=0.000**
POLY 1.5	P=0.000**	P=0.011*	P=0.000**
POLY 6	P=0.000**	P=0.011*	P=0.000**
COCH-ARM / FISHERS	P=0.000**	P=0.009**	P=0.000**
MAX-ISO-POLY-3	P=0.000**	P=0.017*	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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS  
 Test Compound: Urethane + ethanol (combination)  
 CAS Number: URETHCOMB

Date Report Requested: 10/24/2014  
 Time Report Requested: 03:41:07  
 First Dose M/F: NA / NA  
 Lab: NCTR

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MOUSE(B6C3F1/NCTR)  
 LAST REMOVAL AT 110 WEEKS

DOSE	FEMALE		
	0% ETH/ 0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/10PPMURE
<b>All Organs</b>			
<b>Mesothelioma: Benign, Malignant, NOS</b>			
<b>TUMOR RATES</b>	#	#	#
OVERALL(a)	0/287 (0%)	0/143 (0%)	0/144 (0%)
POLY-3 RATE (b)	0/242.77	0/111.65	0/113.12
POLY-3 PERCENT (g)	0%	0%	0%
TERMINAL (d)	0/173 (0%)	0/60 (0%)	0/63 (0%)
FIRST INCIDENCE	---	---	---
HC TUMORS SAME ROUTE	0/0(0%)		
HC TUMORS ALL ROUTES	0/0(0%)		
<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	(n)	(n)	(n)
HISTCONT ALL RTEs	(n)	(n)	(n)
CURR VS HC SAME RTE	(n)		
CURR VS HC ALL RTEs	(n)		

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

**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**  
 Test Compound: Urethane + ethanol (combination)  
 CAS Number: URETHCOMB

Date Report Requested: 10/24/2014  
 Time Report Requested: 03:41:07  
 First Dose M/F: NA / NA  
 Lab: NCTR

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MOUSE(B6C3F1/NCTR)  
 LAST REMOVAL AT 110 WEEKS**

DOSE	FEMALE		
	0% ETH/ 0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/10PPMURE
<b>All Organs</b>			
<b>Osteosarcoma</b>			
<b>TUMOR RATES</b>	#	#	#
OVERALL(a)	2/287 (1%)	3/143 (2%)	0/144 (0%)
POLY-3 RATE (b)	2/243.22	3/112.54	0/113.12
POLY-3 PERCENT (g)	0.8%	2.7%	0%
TERMINAL (d)	1/173 (1%)	1/60 (2%)	0/63 (0%)
FIRST INCIDENCE	626	468	---
HC TUMORS SAME ROUTE	0/0(0%)		
HC TUMORS ALL ROUTES	0/0(0%)		
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.489N	P=0.190	P=0.420N
POLY 1.5	P=0.471N	P=0.201	P=0.412N
POLY 6	P=0.515N	P=0.174	P=0.432N
COCH-ARM / FISHERS	P=0.445N	P=0.208	P=0.443N
MAX-ISO-POLY-3	P=0.218N	P=0.127	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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS  
Test Compound: Urethane + ethanol (combination)  
CAS Number: URETHCOMB

Date Report Requested: 10/24/2014  
Time Report Requested: 03:41:07  
First Dose M/F: NA / NA  
Lab: NCTR

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MOUSE(B6C3F1/NCTR)  
LAST REMOVAL AT 110 WEEKS

FEMALE			
DOSE	0% ETH/ 0PPM URE	2.5%ETH/10PPMURE	5.0%ETH/10PPMURE
<b>All Organs</b>			
<b>Osteosarcoma or Osteoma</b>			
<hr/>			
<b>TUMOR RATES</b>	#	#	#
OVERALL(a)	2/287 (1%)	3/143 (2%)	0/144 (0%)
POLY-3 RATE (b)	2/243.22	3/112.54	0/113.12
POLY-3 PERCENT (g)	0.8%	2.7%	0%
TERMINAL (d)	1/173 (1%)	1/60 (2%)	0/63 (0%)
FIRST INCIDENCE	626	468	---
HC TUMORS SAME ROUTE	0/0(0%)		
HC TUMORS ALL ROUTES	0/0(0%)		
<hr/>			
<b>STATISTICAL TESTS</b>			
POLY 3	P=0.489N	P=0.190	P=0.420N
POLY 1.5	P=0.471N	P=0.201	P=0.412N
POLY 6	P=0.515N	P=0.174	P=0.432N
COCH-ARM / FISHERS	P=0.445N	P=0.208	P=0.443N
MAX-ISO-POLY-3	P=0.218N	P=0.127	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

**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**  
**Test Compound:** Urethane + ethanol (combination)  
**CAS Number:** URETHCOMB

**Date Report Requested:** 10/24/2014  
**Time Report Requested:** 03:41:07  
**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 \*\***