

Experiment Number: 20614 - 01
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Perfluorooctanoic Acid

CAS Number: 335-67-1

Date Report Requested: 07/26/2018

Time Report Requested: 20:00:31

First Dose M/F: 10/27/08 / 10/28/08

Lab: BAT

Female SSACs 0-0, 150-300, 300-1000

NTP Study Number: C20614

Lock Date: 01/10/2012

Cage Range: ALL

Date Range: ALL

Reasons For Removal: 25017 SSAC

Removal Date Range: ALL

Treatment Groups: Include 002 0/0 ppm

Include 006 150/300 ppm

Include 010 300/1000 ppm

Study Gender: Both

TDMSE Version: 2.5.0.0_sfh

PWG Approval Date: 07/25/2018

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SUMMARY OF STATISTICALLY SIGNIFICANT ($P \leq .05$) RESULTS IN THE ANALYSIS OF PERFLUOROOCCTANOIC ACID

FEMALE RATS

Organ

Kidney: Papilla, Urothelium

Liver

Liver: Hepatocyte

Lymph Node, Mesenteric

Thyroid Gland: Follicular Cell

Morphology

Hyperplasia

Inflammation Focal

Pigment

Cytoplasmic Alteration

Hypertrophy

Atrophy Lymphocyte

Hypertrophy

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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)
LAST REMOVAL AT 16 WEEKS**

DOSE	Females		
	0/0 ppm	150/300 ppm	300/1000 ppm
Blood Vessel Inflammation Chronic			
LESION RATES			
OVERALL (a)	1/10 (10%)	0/10 (0%)	0/10 (0%)
POLY-3 RATE (b)	1/10.00	0/10.00	0/10.00
POLY-3 PERCENT (g)	10%	0%	0%
INT SACRIFICE 1	1/10 (10%)	0/10 (0%)	0/10 (0%)
TERMINAL (d)	0/0 (0%)	0/0 (0%)	0/0 (0%)
FIRST INCIDENCE	109 (I)	---	---
STATISTICAL TESTS			
POLY 3	P=0.421N	P=0.500N	P=0.500N
POLY 1.5	P=0.421N	P=0.500N	P=0.500N
POLY 6	P=0.421N	P=0.500N	P=0.500N
COCH-ARM / FISHERS	P=0.420N	P=0.500N	P=0.500N
MAX-ISO-POLY-3	P=0.156N	P=0.159N	P=0.159N

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LAST REMOVAL AT 16 WEEKS**

DOSE	Females		
	0/0 ppm	150/300 ppm	300/1000 ppm
Brain: Cerebrum			
Necrosis Chronic			
<hr/>			
LESION RATES			
OVERALL (a)	0/10 (0%)	0/10 (0%)	1/10 (10%)
POLY-3 RATE (b)	0/10.00	0/10.00	1/10.00
POLY-3 PERCENT (g)	0%	0%	10%
INT SACRIFICE 1	0/10 (0%)	0/10 (0%)	1/10 (10%)
TERMINAL (d)	0/0 (0%)	0/0 (0%)	0/0 (0%)
FIRST INCIDENCE	---	---	109 (I)
<hr/>			
STATISTICAL TESTS			
POLY 3	P=0.303	(e)	P=0.500
POLY 1.5	P=0.303	(e)	P=0.500
POLY 6	P=0.303	(e)	P=0.500
COCH-ARM / FISHERS	P=0.299	(e)	P=0.500
MAX-ISO-POLY-3	P=0.156	(e)	P=0.159

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LAST REMOVAL AT 16 WEEKS**

DOSE	Females		
	0/0 ppm	150/300 ppm	300/1000 ppm
Kidney			
Accumulation, Hyaline Droplet			
LESION RATES			
OVERALL (a)	0/10 (0%)	1/10 (10%)	0/10 (0%)
POLY-3 RATE (b)	0/10.00	1/10.00	0/10.00
POLY-3 PERCENT (g)	0%	10%	0%
INT SACRIFICE 1	0/10 (0%)	1/10 (10%)	0/10 (0%)
TERMINAL (d)	0/0 (0%)	0/0 (0%)	0/0 (0%)
FIRST INCIDENCE	---	109 (l)	---
STATISTICAL TESTS			
POLY 3	P=0.697N	P=0.500	(e)
POLY 1.5	P=0.697N	P=0.500	(e)
POLY 6	P=0.697N	P=0.500	(e)
COCH-ARM / FISHERS	P=0.701N	P=0.500	(e)
MAX-ISO-POLY-3	P=0.378N	P=0.159	(e)

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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)
LAST REMOVAL AT 16 WEEKS**

DOSE	Females		
	0/0 ppm	150/300 ppm	300/1000 ppm
Kidney			
Mineral			
LESION RATES			
OVERALL (a)	1/10 (10%)	0/10 (0%)	0/10 (0%)
POLY-3 RATE (b)	1/10.00	0/10.00	0/10.00
POLY-3 PERCENT (g)	10%	0%	0%
INT SACRIFICE 1	1/10 (10%)	0/10 (0%)	0/10 (0%)
TERMINAL (d)	0/0 (0%)	0/0 (0%)	0/0 (0%)
FIRST INCIDENCE	109 (I)	---	---
STATISTICAL TESTS			
POLY 3	P=0.421N	P=0.500N	P=0.500N
POLY 1.5	P=0.421N	P=0.500N	P=0.500N
POLY 6	P=0.421N	P=0.500N	P=0.500N
COCH-ARM / FISHERS	P=0.420N	P=0.500N	P=0.500N
MAX-ISO-POLY-3	P=0.156N	P=0.159N	P=0.159N

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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)
LAST REMOVAL AT 16 WEEKS**

DOSE	Females		
	0/0 ppm	150/300 ppm	300/1000 ppm
<hr/>			
Kidney			
Nephropathy Chronic Progressive			
<hr/>			
LESION RATES			
OVERALL (a)	5/10 (50%)	5/10 (50%)	4/10 (40%)
POLY-3 RATE (b)	5/10.00	5/10.00	4/10.00
POLY-3 PERCENT (g)	50%	50%	40%
INT SACRIFICE 1	5/10 (50%)	5/10 (50%)	4/10 (40%)
TERMINAL (d)	0/0 (0%)	0/0 (0%)	0/0 (0%)
FIRST INCIDENCE	109 (I)	109 (I)	109 (I)
<hr/>			
STATISTICAL TESTS			
POLY 3	P=0.428N	P=0.664	P=0.500N
POLY 1.5	P=0.428N	P=0.664	P=0.500N
POLY 6	P=0.428N	P=0.664	P=0.500N
COCH-ARM / FISHERS	P=0.425N	P=0.672N	P=0.500N
MAX-ISO-POLY-3	P=0.462N	P=1.000	P=0.333N

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LAST REMOVAL AT 16 WEEKS**

DOSE	Females		
	0/0 ppm	150/300 ppm	300/1000 ppm
Kidney: Papilla, Urothelium Hyperplasia			
LESION RATES			
OVERALL (a)	0/10 (0%)	0/10 (0%)	4/10 (40%)
POLY-3 RATE (b)	0/10.00	0/10.00	4/10.00
POLY-3 PERCENT (g)	0%	0%	40%
INT SACRIFICE 1	0/10 (0%)	0/10 (0%)	4/10 (40%)
TERMINAL (d)	0/0 (0%)	0/0 (0%)	0/0 (0%)
FIRST INCIDENCE	---	---	109 (I)
STATISTICAL TESTS			
POLY 3	P=0.003**	(e)	P=0.033*
POLY 1.5	P=0.003**	(e)	P=0.033*
POLY 6	P=0.003**	(e)	P=0.033*
COCH-ARM / FISHERS	P=0.007**	(e)	P=0.043*
MAX-ISO-POLY-3	P=0.002**	(e)	P=0.007**

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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)
LAST REMOVAL AT 16 WEEKS**

DOSE	Females		
	0/0 ppm	150/300 ppm	300/1000 ppm
Kidney: Pelvis			
Inflammation Chronic			
LESION RATES			
OVERALL (a)	0/10 (0%)	0/10 (0%)	1/10 (10%)
POLY-3 RATE (b)	0/10.00	0/10.00	1/10.00
POLY-3 PERCENT (g)	0%	0%	10%
INT SACRIFICE 1	0/10 (0%)	0/10 (0%)	1/10 (10%)
TERMINAL (d)	0/0 (0%)	0/0 (0%)	0/0 (0%)
FIRST INCIDENCE	---	---	109 (I)
STATISTICAL TESTS			
POLY 3	P=0.303	(e)	P=0.500
POLY 1.5	P=0.303	(e)	P=0.500
POLY 6	P=0.303	(e)	P=0.500
COCH-ARM / FISHERS	P=0.299	(e)	P=0.500
MAX-ISO-POLY-3	P=0.156	(e)	P=0.159

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LAST REMOVAL AT 16 WEEKS**

DOSE	Females		
	0/0 ppm	150/300 ppm	300/1000 ppm
Kidney: Renal Tubule Mineral			
LESION RATES			
OVERALL (a)	2/10 (20%)	2/10 (20%)	5/10 (50%)
POLY-3 RATE (b)	2/10.00	2/10.00	5/10.00
POLY-3 PERCENT (g)	20%	20%	50%
INT SACRIFICE 1	2/10 (20%)	2/10 (20%)	5/10 (50%)
TERMINAL (d)	0/0 (0%)	0/0 (0%)	0/0 (0%)
FIRST INCIDENCE	109 (I)	109 (I)	109 (I)
STATISTICAL TESTS			
POLY 3	P=0.100	P=0.702	P=0.174
POLY 1.5	P=0.100	P=0.702	P=0.174
POLY 6	P=0.100	P=0.702	P=0.174
COCH-ARM / FISHERS	P=0.100	P=0.709N	P=0.175
MAX-ISO-POLY-3	P=0.101	P=1.000	P=0.080

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Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)
LAST REMOVAL AT 16 WEEKS**

DOSE	Females		
	0/0 ppm	150/300 ppm	300/1000 ppm
<hr/>			
Liver Inflammation Focal			
<hr/>			
LESION RATES			
OVERALL (a)	6/10 (60%)	10/10 (100%)	6/10 (60%)
POLY-3 RATE (b)	6/10.00	10/10.00	6/10.00
POLY-3 PERCENT (g)	60%	100%	60%
INT SACRIFICE 1	6/10 (60%)	10/10 (100%)	6/10 (60%)
TERMINAL (d)	0/0 (0%)	0/0 (0%)	0/0 (0%)
FIRST INCIDENCE	109 (I)	109 (I)	109 (I)
<hr/>			
STATISTICAL TESTS			
POLY 3	P=0.425N	P=0.033*	P=0.667
POLY 1.5	P=0.425N	P=0.033*	P=0.667
POLY 6	P=0.425N	P=0.033*	P=0.667
COCH-ARM / FISHERS	P=0.428N	P=0.043*	P=0.675N
MAX-ISO-POLY-3	P=0.205	P=0.007**	P=1.000

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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)
 LAST REMOVAL AT 16 WEEKS**

DOSE	Females		
	0/0 ppm	150/300 ppm	300/1000 ppm
Liver Pigment			
LESION RATES			
OVERALL (a)	0/10 (0%)	0/10 (0%)	6/10 (60%)
POLY-3 RATE (b)	0/10.00	0/10.00	6/10.00
POLY-3 PERCENT (g)	0%	0%	60%
INT SACRIFICE 1	0/10 (0%)	0/10 (0%)	6/10 (60%)
TERMINAL (d)	0/0 (0%)	0/0 (0%)	0/0 (0%)
FIRST INCIDENCE	---	---	109 (I)
STATISTICAL TESTS			
POLY 3	P<0.001**	(e)	P<0.001**
POLY 1.5	P<0.001**	(e)	P<0.001**
POLY 6	P<0.001**	(e)	P<0.001**
COCH-ARM / FISHERS	P<0.001**	(e)	P=0.005**
MAX-ISO-POLY-3	P<0.001**	(e)	P<0.001**

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LAST REMOVAL AT 16 WEEKS**

DOSE	Females		
	0/0 ppm	150/300 ppm	300/1000 ppm

Liver: Hepatocyte
Cytoplasmic Alteration

LESION RATES

OVERALL (a)	0/10 (0%)	0/10 (0%)	10/10 (100%)
POLY-3 RATE (b)	0/10.00	0/10.00	10/10.00
POLY-3 PERCENT (g)	0%	0%	100%
INT SACRIFICE 1	0/10 (0%)	0/10 (0%)	10/10 (100%)
TERMINAL (d)	0/0 (0%)	0/0 (0%)	0/0 (0%)
FIRST INCIDENCE	---	---	109 (l)

STATISTICAL TESTS

POLY 3	P<0.001**	(e)	P<0.001**
POLY 1.5	P<0.001**	(e)	P<0.001**
POLY 6	P<0.001**	(e)	P<0.001**
COCH-ARM / FISHERS	P<0.001**	(e)	P<0.001**
MAX-ISO-POLY-3	P<0.001**	(e)	(e)

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LAST REMOVAL AT 16 WEEKS**

DOSE	Females		
	0/0 ppm	150/300 ppm	300/1000 ppm
<hr/>			
Liver: Hepatocyte Hypertrophy			
<hr/>			
LESION RATES			
OVERALL (a)	0/10 (0%)	0/10 (0%)	10/10 (100%)
POLY-3 RATE (b)	0/10.00	0/10.00	10/10.00
POLY-3 PERCENT (g)	0%	0%	100%
INT SACRIFICE 1	0/10 (0%)	0/10 (0%)	10/10 (100%)
TERMINAL (d)	0/0 (0%)	0/0 (0%)	0/0 (0%)
FIRST INCIDENCE	---	---	109 (l)
<hr/>			
STATISTICAL TESTS			
POLY 3	P<0.001**	(e)	P<0.001**
POLY 1.5	P<0.001**	(e)	P<0.001**
POLY 6	P<0.001**	(e)	P<0.001**
COCH-ARM / FISHERS	P<0.001**	(e)	P<0.001**
MAX-ISO-POLY-3	P<0.001**	(e)	(e)

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LAST REMOVAL AT 16 WEEKS**

DOSE	Females		
	0/0 ppm	150/300 ppm	300/1000 ppm
<hr/>			
Lung: Alveolus Infiltration Cellular Histiocyte			
<hr/>			
LESION RATES			
OVERALL (a)	1/10 (10%)	0/10 (0%)	0/10 (0%)
POLY-3 RATE (b)	1/10.00	0/10.00	0/10.00
POLY-3 PERCENT (g)	10%	0%	0%
INT SACRIFICE 1	1/10 (10%)	0/10 (0%)	0/10 (0%)
TERMINAL (d)	0/0 (0%)	0/0 (0%)	0/0 (0%)
FIRST INCIDENCE	109 (I)	---	---
<hr/>			
STATISTICAL TESTS			
POLY 3	P=0.421N	P=0.500N	P=0.500N
POLY 1.5	P=0.421N	P=0.500N	P=0.500N
POLY 6	P=0.421N	P=0.500N	P=0.500N
COCH-ARM / FISHERS	P=0.420N	P=0.500N	P=0.500N
MAX-ISO-POLY-3	P=0.156N	P=0.159N	P=0.159N

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LAST REMOVAL AT 16 WEEKS**

DOSE	Females		
	0/0 ppm	150/300 ppm	300/1000 ppm
Lymph Node, Mandibular Atrophy			
LESION RATES			
OVERALL (a)	0/10 (0%)	0/10 (0%)	1/10 (10%)
POLY-3 RATE (b)	0/10.00	0/10.00	1/10.00
POLY-3 PERCENT (g)	0%	0%	10%
INT SACRIFICE 1	0/10 (0%)	0/10 (0%)	1/10 (10%)
TERMINAL (d)	0/0 (0%)	0/0 (0%)	0/0 (0%)
FIRST INCIDENCE	---	---	109 (I)
STATISTICAL TESTS			
POLY 3	P=0.303	(e)	P=0.500
POLY 1.5	P=0.303	(e)	P=0.500
POLY 6	P=0.303	(e)	P=0.500
COCH-ARM / FISHERS	P=0.299	(e)	P=0.500
MAX-ISO-POLY-3	P=0.156	(e)	P=0.159

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LAST REMOVAL AT 16 WEEKS**

DOSE	Females		
	0/0 ppm	150/300 ppm	300/1000 ppm
Lymph Node, Mandibular Atrophy Lymphocyte			
LESION RATES			
OVERALL (a)	0/10 (0%)	1/10 (10%)	0/10 (0%)
POLY-3 RATE (b)	0/10.00	1/10.00	0/10.00
POLY-3 PERCENT (g)	0%	10%	0%
INT SACRIFICE 1	0/10 (0%)	1/10 (10%)	0/10 (0%)
TERMINAL (d)	0/0 (0%)	0/0 (0%)	0/0 (0%)
FIRST INCIDENCE	---	109 (l)	---
STATISTICAL TESTS			
POLY 3	P=0.697N	P=0.500	(e)
POLY 1.5	P=0.697N	P=0.500	(e)
POLY 6	P=0.697N	P=0.500	(e)
COCH-ARM / FISHERS	P=0.701N	P=0.500	(e)
MAX-ISO-POLY-3	P=0.378N	P=0.159	(e)

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Route: DOSED FEED

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Perfluorooctanoic Acid

CAS Number: 335-67-1

Date Report Requested: 07/26/2018

Time Report Requested: 20:00:31

First Dose M/F: 10/27/08 / 10/28/08

Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)
LAST REMOVAL AT 16 WEEKS**

DOSE	Females		
	0/0 ppm	150/300 ppm	300/1000 ppm
Lymph Node, Mesenteric Atrophy Lymphocyte			
LESION RATES			
OVERALL (a)	0/10 (0%)	0/10 (0%)	3/10 (30%)
POLY-3 RATE (b)	0/10.00	0/10.00	3/10.00
POLY-3 PERCENT (g)	0%	0%	30%
INT SACRIFICE 1	0/10 (0%)	0/10 (0%)	3/10 (30%)
TERMINAL (d)	0/0 (0%)	0/0 (0%)	0/0 (0%)
FIRST INCIDENCE	---	---	109 (I)
STATISTICAL TESTS			
POLY 3	P=0.017*	(e)	P=0.095
POLY 1.5	P=0.017*	(e)	P=0.095
POLY 6	P=0.017*	(e)	P=0.095
COCH-ARM / FISHERS	P=0.025*	(e)	P=0.105
MAX-ISO-POLY-3	P=0.011*	(e)	P=0.025*

Experiment Number: 20614 - 01

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: RATS/HSD

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LAST REMOVAL AT 16 WEEKS**

DOSE	Females		
	0/0 ppm	150/300 ppm	300/1000 ppm
<hr/>			
Ovary			
Cyst			
<hr/>			
LESION RATES			
OVERALL (a)	4/10 (40%)	3/10 (30%)	1/10 (10%)
POLY-3 RATE (b)	4/10.00	3/10.00	1/10.00
POLY-3 PERCENT (g)	40%	30%	10%
INT SACRIFICE 1	4/10 (40%)	3/10 (30%)	1/10 (10%)
TERMINAL (d)	0/0 (0%)	0/0 (0%)	0/0 (0%)
FIRST INCIDENCE	109 (I)	109 (I)	109 (I)
<hr/>			
STATISTICAL TESTS			
POLY 3	P=0.118N	P=0.500N	P=0.148N
POLY 1.5	P=0.118N	P=0.500N	P=0.148N
POLY 6	P=0.118N	P=0.500N	P=0.148N
COCH-ARM / FISHERS	P=0.115N	P=0.500N	P=0.152N
MAX-ISO-POLY-3	P=0.094N	P=0.327N	P=0.058N

Experiment Number: 20614 - 01

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: RATS/HSD

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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)
LAST REMOVAL AT 16 WEEKS**

DOSE	Females		
	0/0 ppm	150/300 ppm	300/1000 ppm
<hr/>			
Spleen			
Extramedullary Hematopoiesis			
<hr/>			
LESION RATES			
OVERALL (a)	2/10 (20%)	0/10 (0%)	1/10 (10%)
POLY-3 RATE (b)	2/10.00	0/10.00	1/10.00
POLY-3 PERCENT (g)	20%	0%	10%
INT SACRIFICE 1	2/10 (20%)	0/10 (0%)	1/10 (10%)
TERMINAL (d)	0/0 (0%)	0/0 (0%)	0/0 (0%)
FIRST INCIDENCE	109 (I)	---	109 (I)
<hr/>			
STATISTICAL TESTS			
POLY 3	P=0.529N	P=0.227N	P=0.500N
POLY 1.5	P=0.529N	P=0.227N	P=0.500N
POLY 6	P=0.529N	P=0.227N	P=0.500N
COCH-ARM / FISHERS	P=0.529N	P=0.237N	P=0.500N
MAX-ISO-POLY-3	P=0.191N	P=0.067N	P=0.275N

Experiment Number: 20614 - 01

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: RATS/HSD

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Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)
LAST REMOVAL AT 16 WEEKS**

DOSE	Females		
	0/0 ppm	150/300 ppm	300/1000 ppm
<hr/>			
Spleen Pigment			
<hr/>			
LESION RATES			
OVERALL (a)	10/10 (100%)	10/10 (100%)	10/10 (100%)
POLY-3 RATE (b)	10/10.00	10/10.00	10/10.00
POLY-3 PERCENT (g)	100%	100%	100%
INT SACRIFICE 1	10/10 (100%	10/10 (100%	10/10 (100%
TERMINAL (d)	0/0 (0%)	0/0 (0%)	0/0 (0%)
FIRST INCIDENCE	109 (I)	109 (I)	109 (I)
<hr/>			
STATISTICAL TESTS			
POLY 3	(e)	(e)	(e)
POLY 1.5	(e)	(e)	(e)
POLY 6	(e)	(e)	(e)
COCH-ARM / FISHERS	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)

Experiment Number: 20614 - 01

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: RATS/HSD

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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)
LAST REMOVAL AT 16 WEEKS**

DOSE	Females		
	0/0 ppm	150/300 ppm	300/1000 ppm
Thyroid Gland			
Ectopic Thymus			
<hr/>			
LESION RATES			
OVERALL (a)	0/10 (0%)	0/10 (0%)	1/10 (10%)
POLY-3 RATE (b)	0/10.00	0/10.00	1/10.00
POLY-3 PERCENT (g)	0%	0%	10%
INT SACRIFICE 1	0/10 (0%)	0/10 (0%)	1/10 (10%)
TERMINAL (d)	0/0 (0%)	0/0 (0%)	0/0 (0%)
FIRST INCIDENCE	---	---	109 (I)
<hr/>			
STATISTICAL TESTS			
POLY 3	P=0.303	(e)	P=0.500
POLY 1.5	P=0.303	(e)	P=0.500
POLY 6	P=0.303	(e)	P=0.500
COCH-ARM / FISHERS	P=0.299	(e)	P=0.500
MAX-ISO-POLY-3	P=0.156	(e)	P=0.159

Experiment Number: 20614 - 01

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: RATS/HSD

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Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)
LAST REMOVAL AT 16 WEEKS**

DOSE	Females		
	0/0 ppm	150/300 ppm	300/1000 ppm
Thyroid Gland: Follicular Cell Hypertrophy			
LESION RATES			
OVERALL (a)	0/10 (0%)	0/10 (0%)	4/10 (40%)
POLY-3 RATE (b)	0/10.00	0/10.00	4/10.00
POLY-3 PERCENT (g)	0%	0%	40%
INT SACRIFICE 1	0/10 (0%)	0/10 (0%)	4/10 (40%)
TERMINAL (d)	0/0 (0%)	0/0 (0%)	0/0 (0%)
FIRST INCIDENCE	---	---	109 (I)
STATISTICAL TESTS			
POLY 3	P=0.003**	(e)	P=0.033*
POLY 1.5	P=0.003**	(e)	P=0.033*
POLY 6	P=0.003**	(e)	P=0.033*
COCH-ARM / FISHERS	P=0.007**	(e)	P=0.043*
MAX-ISO-POLY-3	P=0.002**	(e)	P=0.007**

Experiment Number: 20614 - 01

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: RATS/HSD

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Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)
LAST REMOVAL AT 16 WEEKS**

DOSE	Females		
	0/0 ppm	150/300 ppm	300/1000 ppm
Urinary Bladder Inflammation			
LESION RATES			
OVERALL (a)	0/10 (0%)	0/10 (0%)	1/10 (10%)
POLY-3 RATE (b)	0/10.00	0/10.00	1/10.00
POLY-3 PERCENT (g)	0%	0%	10%
INT SACRIFICE 1	0/10 (0%)	0/10 (0%)	1/10 (10%)
TERMINAL (d)	0/0 (0%)	0/0 (0%)	0/0 (0%)
FIRST INCIDENCE	---	---	109 (I)
STATISTICAL TESTS			
POLY 3	P=0.303	(e)	P=0.500
POLY 1.5	P=0.303	(e)	P=0.500
POLY 6	P=0.303	(e)	P=0.500
COCH-ARM / FISHERS	P=0.299	(e)	P=0.500
MAX-ISO-POLY-3	P=0.156	(e)	P=0.159

Experiment Number: 20614 - 01

Test Type: CHRONIC

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Species/Strain: RATS/HSD

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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)
LAST REMOVAL AT 16 WEEKS**

DOSE	Females		
	0/0 ppm	150/300 ppm	300/1000 ppm
Uterus: Endometrium Hyperplasia Cystic			
LESION RATES			
OVERALL (a)	1/10 (10%)	0/10 (0%)	0/10 (0%)
POLY-3 RATE (b)	1/10.00	0/10.00	0/10.00
POLY-3 PERCENT (g)	10%	0%	0%
INT SACRIFICE 1	1/10 (10%)	0/10 (0%)	0/10 (0%)
TERMINAL (d)	0/0 (0%)	0/0 (0%)	0/0 (0%)
FIRST INCIDENCE	109 (I)	---	---
STATISTICAL TESTS			
POLY 3	P=0.421N	P=0.500N	P=0.500N
POLY 1.5	P=0.421N	P=0.500N	P=0.500N
POLY 6	P=0.421N	P=0.500N	P=0.500N
COCH-ARM / FISHERS	P=0.420N	P=0.500N	P=0.500N
MAX-ISO-POLY-3	P=0.156N	P=0.159N	P=0.159N

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Route: DOSED FEED

Species/Strain: RATS/HSD

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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 ***