

Experiment Number: 93027-47
Test Type: 90-DAY
Route: DOSED FEED
Species/Strain: HAMSTERS/SYRIAN

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
Test Compound: Peroxisome project (2,4-Dichlorophenoxyacetic acid)
CAS Number: 94-75-7

Date Report Requested: 10/17/2014
Time Report Requested: 16:47:10
First Dose M/F: NA / NA
Lab: BAT

C Number: C93027C
Lock Date: 06/12/1996
Cage Range: All
Date Range: All
Reasons For Removal: All
Removal Date Range: All
Treatment Groups: All
Study Gender: Male
PWG Approval Date: NONE

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SUMMARY OF STATISTICALLY SIGNIFICANT ($P \leq .05$) RESULTS IN THE ANALYSIS OF PEROXISOME PROJECT (2,4-

MALE HAMSTERS

Organ

Epididymis

Kidney

Prostate

Seminal Vesicle

Morphology

Atrophy

Mineralization

Nephropathy

Atrophy

Atrophy

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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN HAMSTERS(SYRIAN)
 LAST REMOVAL AT 14286 WEEKS**

DOSE	MALE					
	0 PPM	12 PPM	100 PPM	500 PPM	1000 PPM	5000 PPM
Epididymis						
Atrophy						
LESION RATES						
OVERALL(a)	0/7 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	2/2 (100%)	0/10 (0%)
POLY-3 RATE (b)	0/7.00	0/0.00	0/0.00	0/0.00	2/2.00	0/10.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	100%	0%
TERMINAL (d)	0/7 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	2/2 (100%)	0/10 (0%)
FIRST INCIDENCE	---	---	---	---	92(T)	---
STATISTICAL TESTS						
POLY 3	(e)	(e)	(e)	(e)	P=NA	(e)
POLY 1.5	(e)	(e)	(e)	(e)	P=NA	(e)
POLY 6	(e)	(e)	(e)	(e)	P=NA	(e)
COCH-ARM / FISHERS	P=0.323N	(e)	(e)	(e)	P=0.028*	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	P=0.000**	(e)
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

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 LAST REMOVAL AT 14286 WEEKS**

DOSE	MALE					
	0 PPM	12 PPM	100 PPM	500 PPM	1000 PPM	5000 PPM
Gallbladder						
Infiltration Cellular Mixed Cell						
LESION RATES						
OVERALL(a)	8/10 (80%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	8/10 (80%)
POLY-3 RATE (b)	8/10.00	0/0.00	0/0.00	0/0.00	0/0.00	8/10.00
POLY-3 PERCENT (g)	80%	0%	0%	0%	0%	80%
TERMINAL (d)	8/10 (80%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	8/10 (80%)
FIRST INCIDENCE	92(T)	---	---	---	---	92(T)
STATISTICAL TESTS						
POLY 3	(e)	(e)	(e)	(e)	(e)	P=0.702
POLY 1.5	(e)	(e)	(e)	(e)	(e)	P=0.702
POLY 6	(e)	(e)	(e)	(e)	(e)	P=0.702
COCH-ARM / FISHERS	P=0.673	(e)	(e)	(e)	(e)	P=0.709N
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	P=1.000
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

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 LAST REMOVAL AT 14286 WEEKS**

DOSE	MALE					
	0 PPM	12 PPM	100 PPM	500 PPM	1000 PPM	5000 PPM
Heart						
Cardiomyopathy						
LESION RATES						
OVERALL(a)	1/10 (10%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)
POLY-3 RATE (b)	1/10.00	0/0.00	0/0.00	0/0.00	0/0.00	0/10.00
POLY-3 PERCENT (g)	10%	0%	0%	0%	0%	0%
TERMINAL (d)	1/10 (10%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)
FIRST INCIDENCE	92(T)	---	---	---	---	---
STATISTICAL TESTS						
POLY 3	(e)	(e)	(e)	(e)	(e)	P=0.500N
POLY 1.5	(e)	(e)	(e)	(e)	(e)	P=0.500N
POLY 6	(e)	(e)	(e)	(e)	(e)	P=0.500N
COCH-ARM / FISHERS	P=0.419N	(e)	(e)	(e)	(e)	P=0.500N
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	P=0.159N
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

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 LAST REMOVAL AT 14286 WEEKS**

DOSE	MALE					
	0 PPM	12 PPM	100 PPM	500 PPM	1000 PPM	5000 PPM
Kidney						
Mineralization						
LESION RATES						
OVERALL(a)	4/10 (40%)	7/10 (70%)	6/9 (67%)	7/10 (70%)	8/10 (80%)	8/10 (80%)
POLY-3 RATE (b)	4/10.00	7/10.00	6/9.00	7/10.00	8/10.00	8/10.00
POLY-3 PERCENT (g)	40%	70%	66.7%	70%	80%	80%
TERMINAL (d)	4/10 (40%)	7/10 (70%)	6/9 (67%)	7/10 (70%)	8/10 (80%)	8/10 (80%)
FIRST INCIDENCE	92(T)	92(T)	92(T)	92(T)	92(T)	92(T)
STATISTICAL TESTS						
POLY 3	P=0.201	P=0.186	P=0.245	P=0.186	P=0.077	P=0.077
POLY 1.5	P=0.201	P=0.186	P=0.245	P=0.186	P=0.077	P=0.077
POLY 6	P=0.201	P=0.186	P=0.245	P=0.186	P=0.077	P=0.077
COCH-ARM / FISHERS	P=0.199	P=0.185	P=0.242	P=0.185	P=0.085	P=0.085
MAX-ISO-POLY-3	P=0.053	P=0.090	P=0.134	P=0.090	P=0.029*	P=0.029*
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

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 LAST REMOVAL AT 14286 WEEKS**

DOSE	MALE					
	0 PPM	12 PPM	100 PPM	500 PPM	1000 PPM	5000 PPM
Kidney						
Nephropathy						
LESION RATES						
OVERALL(a)	3/10 (30%)	6/10 (60%)	5/9 (56%)	7/10 (70%)	3/10 (30%)	8/10 (80%)
POLY-3 RATE (b)	3/10.00	6/10.00	5/9.00	7/10.00	3/10.00	8/10.00
POLY-3 PERCENT (g)	30%	60%	55.6%	70%	30%	80%
TERMINAL (d)	3/10 (30%)	6/10 (60%)	5/9 (56%)	7/10 (70%)	3/10 (30%)	8/10 (80%)
FIRST INCIDENCE	92(T)	92(T)	92(T)	92(T)	92(T)	92(T)
STATISTICAL TESTS						
POLY 3	P=0.083	P=0.186	P=0.259	P=0.082	P=0.678	P=0.024*
POLY 1.5	P=0.083	P=0.186	P=0.259	P=0.082	P=0.678	P=0.024*
POLY 6	P=0.083	P=0.186	P=0.259	P=0.082	P=0.678	P=0.024*
COCH-ARM / FISHERS	P=0.088	P=0.185	P=0.255	P=0.089	P=0.686N	P=0.035*
MAX-ISO-POLY-3	P=0.019*	P=0.090	P=0.142	P=0.032*	P=1.000	P=0.007**
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

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 LAST REMOVAL AT 14286 WEEKS**

DOSE	MALE					
	0 PPM	12 PPM	100 PPM	500 PPM	1000 PPM	5000 PPM
Liver						
Infiltration Cellular Mixed Cell						
LESION RATES						
OVERALL(a)	10/10 (100%)	10/10 (100%)	9/10 (90%)	8/10 (80%)	9/9 (100%)	10/10 (100%)
POLY-3 RATE (b)	10/10.00	10/10.00	9/10.00	8/10.00	9/9.00	10/10.00
POLY-3 PERCENT (g)	100%	100%	90%	80%	100%	100%
TERMINAL (d)	10/10 (100%)	10/10 (100%)	9/10 (90%)	8/10 (80%)	9/9 (100%)	10/10 (100%)
FIRST INCIDENCE	92(T)	92(T)	92(T)	92(T)	92(T)	92(T)
STATISTICAL TESTS						
POLY 3	P=0.472	(e)	P=0.500N	P=0.227N	(e)	(e)
POLY 1.5	P=0.472	(e)	P=0.500N	P=0.227N	(e)	(e)
POLY 6	P=0.472	(e)	P=0.500N	P=0.227N	(e)	(e)
COCH-ARM / FISHERS	P=0.472	(e)	P=0.500N	P=0.237N	(e)	(e)
MAX-ISO-POLY-3	P=0.397N	(e)	P=0.159N	P=0.067N	(e)	(e)
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

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DOSE	MALE					
	0 PPM	12 PPM	100 PPM	500 PPM	1000 PPM	5000 PPM
Liver						
Necrosis Focal						
LESION RATES						
OVERALL(a)	0/10 (0%)	1/10 (10%)	0/10 (0%)	0/10 (0%)	0/9 (0%)	0/10 (0%)
POLY-3 RATE (b)	0/10.00	1/10.00	0/10.00	0/10.00	0/9.00	0/10.00
POLY-3 PERCENT (g)	0%	10%	0%	0%	0%	0%
TERMINAL (d)	0/10 (0%)	1/10 (10%)	0/10 (0%)	0/10 (0%)	0/9 (0%)	0/10 (0%)
FIRST INCIDENCE	---	92(T)	---	---	---	---
STATISTICAL TESTS						
POLY 3	P=0.694N	P=0.500	(e)	(e)	(e)	(e)
POLY 1.5	P=0.694N	P=0.500	(e)	(e)	(e)	(e)
POLY 6	P=0.694N	P=0.500	(e)	(e)	(e)	(e)
COCH-ARM / FISHERS	P=0.695N	P=0.500	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.363N	P=0.159	(e)	(e)	(e)	(e)
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

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DOSE	MALE					
	0 PPM	12 PPM	100 PPM	500 PPM	1000 PPM	5000 PPM
Liver						
Vacuolization Cytoplasmic Focal						
LESION RATES						
OVERALL(a)	1/10 (10%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/9 (0%)	0/10 (0%)
POLY-3 RATE (b)	1/10.00	0/10.00	0/10.00	0/10.00	0/9.00	0/10.00
POLY-3 PERCENT (g)	10%	0%	0%	0%	0%	0%
TERMINAL (d)	1/10 (10%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/9 (0%)	0/10 (0%)
FIRST INCIDENCE	92(T)	---	---	---	---	---
STATISTICAL TESTS						
POLY 3	P=0.691N	P=0.500N	P=0.500N	P=0.500N	P=0.521N	P=0.500N
POLY 1.5	P=0.691N	P=0.500N	P=0.500N	P=0.500N	P=0.521N	P=0.500N
POLY 6	P=0.691N	P=0.500N	P=0.500N	P=0.500N	P=0.521N	P=0.500N
COCH-ARM / FISHERS	P=0.693N	P=0.500N	P=0.500N	P=0.500N	P=0.526N	P=0.500N
MAX-ISO-POLY-3	P=0.079N	P=0.159N	P=0.159N	P=0.159N	P=0.179N	P=0.159N
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

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 LAST REMOVAL AT 14286 WEEKS**

DOSE	MALE					
	0 PPM	12 PPM	100 PPM	500 PPM	1000 PPM	5000 PPM
Lung						
Hemorrhage						
LESION RATES						
OVERALL(a)	2/10 (20%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	1/10 (10%)
POLY-3 RATE (b)	2/10.00	0/0.00	0/0.00	0/0.00	0/0.00	1/10.00
POLY-3 PERCENT (g)	20%	0%	0%	0%	0%	10%
TERMINAL (d)	2/10 (20%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	1/10 (10%)
FIRST INCIDENCE	92(T)	---	---	---	---	92(T)
STATISTICAL TESTS						
POLY 3	(e)	(e)	(e)	(e)	(e)	P=0.500N
POLY 1.5	(e)	(e)	(e)	(e)	(e)	P=0.500N
POLY 6	(e)	(e)	(e)	(e)	(e)	P=0.500N
COCH-ARM / FISHERS	P=0.450N	(e)	(e)	(e)	(e)	P=0.500N
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	P=0.274N
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

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DOSE	MALE					
	0 PPM	12 PPM	100 PPM	500 PPM	1000 PPM	5000 PPM
Lung						
Inflammation Chronic						
LESION RATES						
OVERALL(a)	1/10 (10%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	1/10 (10%)
POLY-3 RATE (b)	1/10.00	0/0.00	0/0.00	0/0.00	0/0.00	1/10.00
POLY-3 PERCENT (g)	10%	0%	0%	0%	0%	10%
TERMINAL (d)	1/10 (10%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	1/10 (10%)
FIRST INCIDENCE	92(T)	---	---	---	---	92(T)
STATISTICAL TESTS						
POLY 3	(e)	(e)	(e)	(e)	(e)	P=0.760
POLY 1.5	(e)	(e)	(e)	(e)	(e)	P=0.760
POLY 6	(e)	(e)	(e)	(e)	(e)	P=0.760
COCH-ARM / FISHERS	P=0.725	(e)	(e)	(e)	(e)	P=0.763N
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	P=1.000
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

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 LAST REMOVAL AT 14286 WEEKS**

DOSE	MALE					
	0 PPM	12 PPM	100 PPM	500 PPM	1000 PPM	5000 PPM
Pancreas						
Inflammation Chronic						
LESION RATES						
OVERALL(a)	7/10 (70%)	9/10 (90%)	9/10 (90%)	7/10 (70%)	7/10 (70%)	9/10 (90%)
POLY-3 RATE (b)	7/10.00	9/10.00	9/10.00	7/10.00	7/10.00	9/10.00
POLY-3 PERCENT (g)	70%	90%	90%	70%	70%	90%
TERMINAL (d)	7/10 (70%)	9/10 (90%)	9/10 (90%)	7/10 (70%)	7/10 (70%)	9/10 (90%)
FIRST INCIDENCE	92(T)	92(T)	92(T)	92(T)	92(T)	92(T)
STATISTICAL TESTS						
POLY 3	P=0.387	P=0.292	P=0.292	P=0.678	P=0.678	P=0.292
POLY 1.5	P=0.387	P=0.292	P=0.292	P=0.678	P=0.678	P=0.292
POLY 6	P=0.387	P=0.292	P=0.292	P=0.678	P=0.678	P=0.292
COCH-ARM / FISHERS	P=0.385	P=0.291	P=0.291	P=0.686N	P=0.686N	P=0.291
MAX-ISO-POLY-3	P=0.254	P=0.138	P=0.138	P=1.000	P=1.000	P=0.138
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

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DOSE	MALE					
	0 PPM	12 PPM	100 PPM	500 PPM	1000 PPM	5000 PPM
Preputial Gland Inflammation						
LESION RATES						
OVERALL(a)	0/5 (0%)	1/2 (50%)	0/2 (0%)	0/2 (0%)	0/4 (0%)	0/3 (0%)
POLY-3 RATE (b)	0/5.00	1/2.00	0/2.00	0/2.00	0/4.00	0/3.00
POLY-3 PERCENT (g)	0%	50%	0%	0%	0%	0%
TERMINAL (d)	0/5 (0%)	1/2 (50%)	0/2 (0%)	0/2 (0%)	0/4 (0%)	0/3 (0%)
FIRST INCIDENCE	---	92(T)	---	---	---	---
STATISTICAL TESTS						
POLY 3	P=0.718N	P=0.285	(e)	(e)	(e)	(e)
POLY 1.5	P=0.718N	P=0.285	(e)	(e)	(e)	(e)
POLY 6	P=0.718N	P=0.285	(e)	(e)	(e)	(e)
COCH-ARM / FISHERS	P=0.697N	P=0.286	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.363N	P=0.057	(e)	(e)	(e)	(e)
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

Experiment Number: 93027-47
 Test Type: 90-DAY
 Route: DOSED FEED
 Species/Strain: HAMSTERS/SYRIAN

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Test Compound: Peroxisome project (2,4-Dichlorophenoxyacetic acid)
 CAS Number: 94-75-7

Date Report Requested: 10/17/2014
 Time Report Requested: 16:47:10
 First Dose M/F: NA / NA
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN HAMSTERS(SYRIAN)
 LAST REMOVAL AT 14286 WEEKS**

DOSE	MALE					
	0 PPM	12 PPM	100 PPM	500 PPM	1000 PPM	5000 PPM
Prostate						
Atrophy						
LESION RATES						
OVERALL(a)	3/10 (30%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)
POLY-3 RATE (b)	3/10.00	0/0.00	0/0.00	0/0.00	0/0.00	0/10.00
POLY-3 PERCENT (g)	30%	0%	0%	0%	0%	0%
TERMINAL (d)	3/10 (30%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)
FIRST INCIDENCE	92(T)	---	---	---	---	---
STATISTICAL TESTS						
POLY 3	(e)	(e)	(e)	(e)	(e)	P=0.095N
POLY 1.5	(e)	(e)	(e)	(e)	(e)	P=0.095N
POLY 6	(e)	(e)	(e)	(e)	(e)	P=0.095N
COCH-ARM / FISHERS	P=0.084N	(e)	(e)	(e)	(e)	P=0.105N
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	P=0.025N*
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

Experiment Number: 93027-47
 Test Type: 90-DAY
 Route: DOSED FEED
 Species/Strain: HAMSTERS/SYRIAN

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Test Compound: Peroxisome project (2,4-Dichlorophenoxyacetic acid)
 CAS Number: 94-75-7

Date Report Requested: 10/17/2014
 Time Report Requested: 16:47:11
 First Dose M/F: NA / NA
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN HAMSTERS(SYRIAN)
 LAST REMOVAL AT 14286 WEEKS**

DOSE	MALE					
	0 PPM	12 PPM	100 PPM	500 PPM	1000 PPM	5000 PPM
Seminal Vesicle						
Atrophy						
LESION RATES						
OVERALL(a)	3/10 (30%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)
POLY-3 RATE (b)	3/10.00	0/0.00	0/0.00	0/0.00	0/0.00	0/10.00
POLY-3 PERCENT (g)	30%	0%	0%	0%	0%	0%
TERMINAL (d)	3/10 (30%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)
FIRST INCIDENCE	92(T)	---	---	---	---	---
STATISTICAL TESTS						
POLY 3	(e)	(e)	(e)	(e)	(e)	P=0.095N
POLY 1.5	(e)	(e)	(e)	(e)	(e)	P=0.095N
POLY 6	(e)	(e)	(e)	(e)	(e)	P=0.095N
COCH-ARM / FISHERS	P=0.084N	(e)	(e)	(e)	(e)	P=0.105N
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	P=0.025N*
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

Experiment Number: 93027-47
 Test Type: 90-DAY
 Route: DOSED FEED
 Species/Strain: HAMSTERS/SYRIAN

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Test Compound: Peroxisome project (2,4-Dichlorophenoxyacetic acid)
 CAS Number: 94-75-7

Date Report Requested: 10/17/2014
 Time Report Requested: 16:47:11
 First Dose M/F: NA / NA
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN HAMSTERS(SYRIAN)
 LAST REMOVAL AT 14286 WEEKS**

DOSE	MALE					
	0 PPM	12 PPM	100 PPM	500 PPM	1000 PPM	5000 PPM
Stomach, Glandular Mineralization						
LESION RATES						
OVERALL(a)	5/10 (50%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	7/10 (70%)
POLY-3 RATE (b)	5/10.00	0/0.00	0/0.00	0/0.00	0/0.00	7/10.00
POLY-3 PERCENT (g)	50%	0%	0%	0%	0%	70%
TERMINAL (d)	5/10 (50%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	7/10 (70%)
FIRST INCIDENCE	92(T)	---	---	---	---	92(T)
STATISTICAL TESTS						
POLY 3	(e)	(e)	(e)	(e)	(e)	P=0.329
POLY 1.5	(e)	(e)	(e)	(e)	(e)	P=0.329
POLY 6	(e)	(e)	(e)	(e)	(e)	P=0.329
COCH-ARM / FISHERS	P=0.292	(e)	(e)	(e)	(e)	P=0.325
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	P=0.189
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

Experiment Number: 93027-47
 Test Type: 90-DAY
 Route: DOSED FEED
 Species/Strain: HAMSTERS/SYRIAN

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Test Compound: Peroxisome project (2,4-Dichlorophenoxyacetic acid)
 CAS Number: 94-75-7

Date Report Requested: 10/17/2014
 Time Report Requested: 16:47:11
 First Dose M/F: NA / NA
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN HAMSTERS(SYRIAN)
 LAST REMOVAL AT 14286 WEEKS**

DOSE	MALE					
	0 PPM	12 PPM	100 PPM	500 PPM	1000 PPM	5000 PPM
Testes						
Atrophy						
LESION RATES						
OVERALL(a)	3/10 (30%)	2/10 (20%)	2/9 (22%)	5/10 (50%)	3/10 (30%)	1/10 (10%)
POLY-3 RATE (b)	3/10.00	2/10.00	2/9.00	5/10.00	3/10.00	1/10.00
POLY-3 PERCENT (g)	30%	20%	22.2%	50%	30%	10%
TERMINAL (d)	3/10 (30%)	2/10 (20%)	2/9 (22%)	5/10 (50%)	3/10 (30%)	1/10 (10%)
FIRST INCIDENCE	92(T)	92(T)	92(T)	92(T)	92(T)	92(T)
STATISTICAL TESTS						
POLY 3	P=0.201N	P=0.500N	P=0.552N	P=0.329	P=0.678	P=0.292N
POLY 1.5	P=0.201N	P=0.500N	P=0.552N	P=0.329	P=0.678	P=0.292N
POLY 6	P=0.201N	P=0.500N	P=0.552N	P=0.329	P=0.678	P=0.292N
COCH-ARM / FISHERS	P=0.198N	P=0.500N	P=0.556N	P=0.325	P=0.686N	P=0.291N
MAX-ISO-POLY-3	P=0.281N	P=0.311N	P=0.361N	P=0.189	P=1.000	P=0.138N
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

Experiment Number: 93027-47
 Test Type: 90-DAY
 Route: DOSED FEED
 Species/Strain: HAMSTERS/SYRIAN

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Test Compound: Peroxisome project (2,4-Dichlorophenoxyacetic acid)
 CAS Number: 94-75-7

Date Report Requested: 10/17/2014
 Time Report Requested: 16:47:11
 First Dose M/F: NA / NA
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN HAMSTERS(SYRIAN)
 LAST REMOVAL AT 14286 WEEKS**

DOSE	MALE					
	0 PPM	12 PPM	100 PPM	500 PPM	1000 PPM	5000 PPM
Urinary Bladder Mineralization						
LESION RATES						
OVERALL(a)	5/10 (50%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	5/9 (56%)
POLY-3 RATE (b)	5/10.00	0/0.00	0/0.00	0/0.00	0/0.00	5/9.00
POLY-3 PERCENT (g)	50%	0%	0%	0%	0%	55.6%
TERMINAL (d)	5/10 (50%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	5/9 (56%)
FIRST INCIDENCE	92(T)	---	---	---	---	92(T)
STATISTICAL TESTS						
POLY 3	(e)	(e)	(e)	(e)	(e)	P=0.582
POLY 1.5	(e)	(e)	(e)	(e)	(e)	P=0.582
POLY 6	(e)	(e)	(e)	(e)	(e)	P=0.582
COCH-ARM / FISHERS	P=0.550	(e)	(e)	(e)	(e)	P=0.586
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	P=0.411
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

Experiment Number: 93027-47
Test Type: 90-DAY
Route: DOSED FEED
Species/Strain: HAMSTERS/SYRIAN

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
Test Compound: Peroxisome project (2,4-Dichlorophenoxyacetic acid)
CAS Number: 94-75-7

Date Report Requested: 10/17/2014
Time Report Requested: 16:47:11
First Dose M/F: NA / NA
Lab: BAT

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 ****