

Experiment Number: 88120-02
Test Type: 90-DAY
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Test Compound: p,p'-Dichlorodiphenyl sulfone

CAS Number: 80-07-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:41:35

First Dose M/F: NA / NA

Lab: BAT

C Number:	C88120
Lock Date:	10/07/1993
Cage Range:	All
Date Range:	All
Reasons For Removal:	All
Removal Date Range:	All
Treatment Groups:	All
Study Gender:	Both
PWG Approval Date	NONE

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SUMMARY OF STATISTICALLY SIGNIFICANT ($P \leq .05$) RESULTS IN THE ANALYSIS OF P,P'-DICHLORODIPHENYL SULFONE

MALE MOUSE

Organ

Liver: Centrilobular, Hepatocyte

Liver: Hepatocyte

FEMALE MOUSE

Organ

Liver: Centrilobular, Hepatocyte

Liver: Hepatocyte

Morphology

Hypertrophy

Necrosis

Morphology

Hypertrophy

Necrosis

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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1)
 LAST REMOVAL AT 14286 WEEKS**

DOSE	MALE					
	0 PPM	30 PPM	100 PPM	300 PPM	1000 PPM	3000 PPM
Kidney: Renal Tubule Regeneration						
LESION RATES						
OVERALL(a)	4/10 (40%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	4/10 (40%)
POLY-3 RATE (b)	4/10.00	0/0.00	0/0.00	0/0.00	0/0.00	4/10.00
POLY-3 PERCENT (g)	40%	0%	0%	0%	0%	40%
TERMINAL (d)	4/10 (40%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	4/10 (40%)
FIRST INCIDENCE	92(T)	---	---	---	---	92(T)
STATISTICAL TESTS						
POLY 3	(e)	(e)	(e)	(e)	(e)	P=0.667
POLY 1.5	(e)	(e)	(e)	(e)	(e)	P=0.667
POLY 6	(e)	(e)	(e)	(e)	(e)	P=0.667
COCH-ARM / FISHERS	P=0.620	(e)	(e)	(e)	(e)	P=0.675N
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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Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1)
 LAST REMOVAL AT 14286 WEEKS**

DOSE	MALE					
	0 PPM	30 PPM	100 PPM	300 PPM	1000 PPM	3000 PPM
Liver						
Inflammation Chronic						
LESION RATES						
OVERALL(a)	1/10 (10%)	2/10 (20%)	2/10 (20%)	1/10 (10%)	0/10 (0%)	1/10 (10%)
POLY-3 RATE (b)	1/10.00	2/10.00	2/10.00	1/10.00	0/10.00	1/10.00
POLY-3 PERCENT (g)	10%	20%	20%	10%	0%	10%
TERMINAL (d)	1/10 (10%)	2/10 (20%)	2/10 (20%)	1/10 (10%)	0/10 (0%)	1/10 (10%)
FIRST INCIDENCE	92(T)	92(T)	92(T)	92(T)	---	92(T)
STATISTICAL TESTS						
POLY 3	P=0.412N	P=0.500	P=0.500	P=0.760	P=0.500N	P=0.760
POLY 1.5	P=0.412N	P=0.500	P=0.500	P=0.760	P=0.500N	P=0.760
POLY 6	P=0.412N	P=0.500	P=0.500	P=0.760	P=0.500N	P=0.760
COCH-ARM / FISHERS	P=0.409N	P=0.500	P=0.500	P=0.763N	P=0.500N	P=0.763N
MAX-ISO-POLY-3	P=0.398N	P=0.274	P=0.274	P=1.000	P=0.159N	P=1.000
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

Experiment Number: 88120-02
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P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

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First Dose M/F: NA / NA

Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1)
 LAST REMOVAL AT 14286 WEEKS**

DOSE	MALE					
	0 PPM	30 PPM	100 PPM	300 PPM	1000 PPM	3000 PPM
Liver: Centrilobular, Hepatocyte Hypertrophy						
LESION RATES						
OVERALL(a)	0/10 (0%)	0/10 (0%)	6/10 (60%)	10/10 (100%)	10/10 (100%)	10/10 (100%)
POLY-3 RATE (b)	0/10.00	0/10.00	6/10.00	10/10.00	10/10.00	10/10.00
POLY-3 PERCENT (g)	0%	0%	60%	100%	100%	100%
TERMINAL (d)	0/10 (0%)	0/10 (0%)	6/10 (60%)	10/10 (100%)	10/10 (100%)	10/10 (100%)
FIRST INCIDENCE	---	---	92(T)	92(T)	92(T)	92(T)
STATISTICAL TESTS						
POLY 3	P=0.000**	(e)	P<0.001**	P=NA	P=NA	P=NA
POLY 1.5	P=0.000**	(e)	P<0.001**	P=NA	P=NA	P=NA
POLY 6	P=0.000**	(e)	P<0.001**	P=NA	P=NA	P=NA
COCH-ARM / FISHERS	P=0.000**	(e)	P=0.005**	P=0.000**	P=0.000**	P=0.000**
MAX-ISO-POLY-3	P=0.000**	(e)	P=0.000**	(e)	(e)	(e)
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

Experiment Number: 88120-02
 Test Type: 90-DAY
 Route: DOSED FEED
 Species/Strain: Mouse/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Test Compound: p,p'-Dichlorodiphenyl sulfone

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Time Report Requested: 04:41:35

First Dose M/F: NA / NA

Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1)
 LAST REMOVAL AT 14286 WEEKS**

DOSE	MALE					
	0 PPM	30 PPM	100 PPM	300 PPM	1000 PPM	3000 PPM
Liver: Hepatocyte						
Necrosis						
LESION RATES						
OVERALL(a)	0/10 (0%)	0/10 (0%)	1/10 (10%)	3/10 (30%)	7/10 (70%)	8/10 (80%)
POLY-3 RATE (b)	0/10.00	0/10.00	1/10.00	3/10.00	7/10.00	8/10.00
POLY-3 PERCENT (g)	0%	0%	10%	30%	70%	80%
TERMINAL (d)	0/10 (0%)	0/10 (0%)	1/10 (10%)	3/10 (30%)	7/10 (70%)	8/10 (80%)
FIRST INCIDENCE	---	---	92(T)	92(T)	92(T)	92(T)
STATISTICAL TESTS						
POLY 3	P=0.000**	(e)	P=0.500	P=0.095	P=0.000**	P=0.000**
POLY 1.5	P=0.000**	(e)	P=0.500	P=0.095	P=0.000**	P=0.000**
POLY 6	P=0.000**	(e)	P=0.500	P=0.095	P=0.000**	P=0.000**
COCH-ARM / FISHERS	P=0.000**	(e)	P=0.500	P=0.105	P=0.002**	P=0.000**
MAX-ISO-POLY-3	P=0.000**	(e)	P=0.159	P=0.025*	P=0.000**	P=0.000**
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

Experiment Number: 88120-02
 Test Type: 90-DAY
 Route: DOSED FEED
 Species/Strain: Mouse/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Test Compound: p,p'-Dichlorodiphenyl sulfone

CAS Number: 80-07-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:41:35

First Dose M/F: NA / NA

Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1)
 LAST REMOVAL AT 14286 WEEKS**

DOSE	MALE					
	0 PPM	30 PPM	100 PPM	300 PPM	1000 PPM	3000 PPM
Stomach, Forestomach						
Inflammation Chronic						
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=0.366N	(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						

Experiment Number: 88120-02
 Test Type: 90-DAY
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 Species/Strain: Mouse/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Test Compound: p,p'-Dichlorodiphenyl sulfone

CAS Number: 80-07-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:41:35

First Dose M/F: NA / NA

Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1)
 LAST REMOVAL AT 14286 WEEKS**

DOSE	FEMALE					
	0 PPM	30 PPM	100 PPM	300 PPM	1000 PPM	3000 PPM
Kidney: Renal Tubule Regeneration						
LESION RATES						
OVERALL(a)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)
POLY-3 RATE (b)	0/10.00	0/0.00	0/0.00	0/0.00	0/0.00	0/10.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	0%
TERMINAL (d)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)
FIRST INCIDENCE	---	---	---	---	---	---
STATISTICAL TESTS						
POLY 3	(n)	(n)	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)	(n)	(n)
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

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P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

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First Dose M/F: NA / NA

Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1)
 LAST REMOVAL AT 14286 WEEKS**

DOSE	FEMALE					
	0 PPM	30 PPM	100 PPM	300 PPM	1000 PPM	3000 PPM
Liver						
Inflammation Chronic						
LESION RATES						
OVERALL(a)	8/10 (80%)	6/10 (60%)	5/10 (50%)	7/10 (70%)	7/10 (70%)	6/10 (60%)
POLY-3 RATE (b)	8/10.00	6/10.00	5/10.00	7/10.00	7/10.00	6/10.00
POLY-3 PERCENT (g)	80%	60%	50%	70%	70%	60%
TERMINAL (d)	8/10 (80%)	6/10 (60%)	5/10 (50%)	7/10 (70%)	7/10 (70%)	6/10 (60%)
FIRST INCIDENCE	92(T)	92(T)	92(T)	92(T)	92(T)	92(T)
STATISTICAL TESTS						
POLY 3	P=0.499N	P=0.318N	P=0.174N	P=0.500N	P=0.500N	P=0.318N
POLY 1.5	P=0.499N	P=0.318N	P=0.174N	P=0.500N	P=0.500N	P=0.318N
POLY 6	P=0.499N	P=0.318N	P=0.174N	P=0.500N	P=0.500N	P=0.318N
COCH-ARM / FISHERS	P=0.498N	P=0.314N	P=0.175N	P=0.500N	P=0.500N	P=0.314N
MAX-ISO-POLY-3	P=0.338N	P=0.172N	P=0.080N	P=0.311N	P=0.311N	P=0.172N
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: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1)
 LAST REMOVAL AT 14286 WEEKS**

DOSE	FEMALE					
	0 PPM	30 PPM	100 PPM	300 PPM	1000 PPM	3000 PPM
Liver: Centrilobular, Hepatocyte Hypertrophy						
LESION RATES						
OVERALL(a)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	10/10 (100%)	10/10 (100%)
POLY-3 RATE (b)	0/10.00	0/10.00	0/10.00	0/10.00	10/10.00	10/10.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	100%	100%
TERMINAL (d)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	10/10 (100%)	10/10 (100%)
FIRST INCIDENCE	---	---	---	---	92(T)	92(T)
STATISTICAL TESTS						
POLY 3	P=0.000**	(e)	(e)	(e)	P=NA	P=NA
POLY 1.5	P=0.000**	(e)	(e)	(e)	P=NA	P=NA
POLY 6	P=0.000**	(e)	(e)	(e)	P=NA	P=NA
COCH-ARM / FISHERS	P=0.000**	(e)	(e)	(e)	P=0.000**	P=0.000**
MAX-ISO-POLY-3	P=0.000**	(e)	(e)	(e)	(e)	(e)
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: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1)
 LAST REMOVAL AT 14286 WEEKS**

DOSE	FEMALE					
	0 PPM	30 PPM	100 PPM	300 PPM	1000 PPM	3000 PPM
Liver: Hepatocyte						
Necrosis						
LESION RATES						
OVERALL(a)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	1/10 (10%)	2/10 (20%)
POLY-3 RATE (b)	0/10.00	0/10.00	0/10.00	0/10.00	1/10.00	2/10.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	10%	20%
TERMINAL (d)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	1/10 (10%)	2/10 (20%)
FIRST INCIDENCE	---	---	---	---	92(T)	92(T)
STATISTICAL TESTS						
POLY 3	P=0.017*	(e)	(e)	(e)	P=0.500	P=0.227
POLY 1.5	P=0.017*	(e)	(e)	(e)	P=0.500	P=0.227
POLY 6	P=0.017*	(e)	(e)	(e)	P=0.500	P=0.227
COCH-ARM / FISHERS	P=0.018*	(e)	(e)	(e)	P=0.500	P=0.237
MAX-ISO-POLY-3	P=0.030*	(e)	(e)	(e)	P=0.159	P=0.067
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: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1)
 LAST REMOVAL AT 14286 WEEKS**

DOSE	FEMALE					
	0 PPM	30 PPM	100 PPM	300 PPM	1000 PPM	3000 PPM
Stomach, Forestomach						
Inflammation Chronic						
LESION RATES						
OVERALL(a)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)
POLY-3 RATE (b)	0/10.00	0/0.00	0/0.00	0/0.00	0/0.00	0/10.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	0%
TERMINAL (d)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)
FIRST INCIDENCE	---	---	---	---	---	---
STATISTICAL TESTS						
POLY 3	(n)	(n)	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)	(n)	(n)
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

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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 ****