

Experiment Number: 797103

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: p,p'-Dichlorodiphenyl dichloroethylene

CAS Number: 72-55-9

Date Report Requested: 09/18/2018

Time Report Requested: 06:45:48

NTP Study Number:

797103

Study Result:

Negative

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Date Report Requested: 09/18/2018

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Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	137 ± 5.9	100 ± 6.7	122 ± 5.8	118 ± 6.7	127 ± 6.6
100.0	128 ± 9.2	84 ± 7.8	133 ± 4.6	104 ± 6.8	123 ± 4.7
333.0	126 ± 11.8	63 ± 7.2	154 ± 4.0	88 ± 4.4	381 ± 253.1
1000.0	113 ± 6.1 ^P	54 ± 3.2 ^P	133 ± 7.3 ^P	97 ± 2.7 ^P	102 ± 6.8 ^P
3333.0	108 ± 5.8 ^P	69 ± 2.3 ^P	130 ± 9.5 ^P	84 ± 6.4 ^P	101 ± 11.5 ^P
10000.0	110 ± 5.2 ^P	60 ± 8.2 ^P	127 ± 2.0 ^P	78 ± 2.7 ^P	93 ± 3.4 ^P
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²	540 ± 17.5	464 ± 6.7			
Positive Control ³			1565 ± 145.8	697 ± 67.4	2374 ± 52.6

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Strain: TA100

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	94 ± 4.2
100.0	125 ± 7.5
333.0	103 ± 4.2
1000.0	103 ± 2.9 ^P
3333.0	86 ± 3.3 ^P
10000.0	79 ± 6.6 ^P
Trial Summary	Negative
Positive Control ²	
Positive Control ³	2176 ± 25.0

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Strain: TA1535

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	23 ± 3.5	20 ± 1.2	12 ± 2.0	14 ± 0.6	9 ± 1.7
100.0	19 ± 1.8	16 ± 2.5	8 ± 0.6	12 ± 1.8	11 ± 2.2
333.0	18 ± 2.1	19 ± 0.3	7 ± 0.7	6 ± 0.7	9 ± 0.3
1000.0	20 ± 2.2 ^P	16 ± 1.5 ^P	9 ± 1.8 ^P	9 ± 2.0 ^P	5 ± 0.7 ^P
3333.0	21 ± 1.0 ^P	16 ± 3.7 ^P	8 ± 1.2 ^P	9 ± 0.7 ^P	7 ± 0.0 ^P
10000.0	19 ± 4.4 ^P	15 ± 1.8 ^P	5 ± 0.3 ^P	7 ± 0.6 ^P	10 ± 0.3 ^P
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²	550 ± 11.3	547 ± 25.5			
Positive Control ⁴			104 ± 9.2	387 ± 22.4	574 ± 24.2

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Strain: TA1535

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	10 ± 1.5
100.0	10 ± 0.9
333.0	6 ± 1.5
1000.0	8 ± 0.3 ^P
3333.0	7 ± 1.7 ^P
10000.0	9 ± 0.7 ^P
Trial Summary	Negative
Positive Control ²	
Positive Control ⁴	585 ± 24.7

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Strain: TA1537

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	6 ± 0.3	5 ± 0.6	7 ± 0.3	6 ± 1.0	10 ± 2.7
100.0	18 ± 3.5	7 ± 1.3	6 ± 1.7	8 ± 1.0	8 ± 1.7
333.0	11 ± 2.1	4 ± 0.3	5 ± 1.5	6 ± 0.9	7 ± 0.6
1000.0	10 ± 1.0 ^P	7 ± 0.6 ^P	5 ± 0.9 ^P	8 ± 2.3 ^P	8 ± 2.2 ^P
3333.0	12 ± 2.7 ^P	7 ± 0.9 ^P	6 ± 1.2 ^P	5 ± 0.6 ^P	6 ± 1.5 ^P
10000.0	6 ± 1.2 ^P	5 ± 1.0 ^P	6 ± 0.6 ^P	6 ± 0.0 ^P	8 ± 0.7 ^P
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ⁴			40 ± 0.3	316 ± 46.2	435 ± 24.6
Positive Control ⁵	373 ± 48.8	283 ± 29.5			

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Strain: TA1537

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	6 ± 1.2
100.0	5 ± 1.2
333.0	7 ± 1.5
1000.0	6 ± 1.5 ^p
3333.0	7 ± 0.6 ^p
10000.0	5 ± 0.3 ^p
Trial Summary	Negative
Positive Control ⁴	576 ± 34.3
Positive Control ⁵	

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Strain: TA98

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	35 ± 2.8	29 ± 4.6	40 ± 1.3	31 ± 1.9	55 ± 6.4
100.0	32 ± 2.4	32 ± 2.8	34 ± 5.3	38 ± 3.8	47 ± 1.9
333.0	26 ± 2.3 ^P	27 ± 1.5	38 ± 1.5	36 ± 1.7	39 ± 3.0
1000.0	30 ± 4.5 ^P	23 ± 3.4 ^P	44 ± 6.1 ^P	38 ± 0.6 ^P	52 ± 4.9 ^P
3333.0	35 ± 7.2 ^P	26 ± 1.9 ^P	44 ± 4.6 ^P	44 ± 6.7 ^P	52 ± 6.1 ^P
10000.0	30 ± 2.1 ^P	21 ± 2.6 ^P	30 ± 3.8 ^P	25 ± 4.8 ^P	41 ± 5.5 ^P
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ³			1192 ± 104.2	1443 ± 136.0	2081 ± 34.5
Positive Control ⁶	945 ± 30.9	900 ± 17.3			

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Strain: TA98

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	37 ± 2.3
100.0	46 ± 4.2
333.0	46 ± 3.2
1000.0	39 ± 6.4 ^P
3333.0	39 ± 3.1 ^P
10000.0	33 ± 6.3 ^P
Trial Summary	Negative
Positive Control ³	1942 ± 58.3
Positive Control ⁶	

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LEGEND

Values given as Mean or Mean \pm Standard Error Mean

The number of samples = 3, unless samples marked toxic or contaminated were excluded from mean and SEM calculations

CAS Number = Chemical Abstracts Service registry number

1: Vehicle Control: Dimethyl Sulfoxide

2: 1.0 ug/Plate Sodium Azide

3: 1.0 ug/Plate 2-Aminoanthracene

4: 2.5 ug/Plate 2-Aminoanthracene

5: 50.0 ug/Plate 9-Aminoacridine

6: 5.0 ug/Plate 4-Nitro-O-Phenylenediamine

p: Precipitate

**** END OF REPORT ****