

Experiment Number: 725391

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: 2,5-Dichlorophenol

CAS Number: 583-78-8

Date Report Requested: 09/12/2018

Time Report Requested: 19:20:06

NTP Study Number:

725391

Study Result:

Negative

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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	112 ± 5.2	106 ± 7.0	99 ± 6.1	72 ± 1.0	92 ± 4.2
2.0	115 ± 11.6	107 ± 10.1	92 ± 1.9	76 ± 3.8	128 ± 3.4
7.0	121 ± 6.8	91 ± 4.6	101 ± 3.5	70 ± 6.5	106 ± 3.8
21.0	131 ± 4.6	96 ± 5.3	116 ± 6.1	80 ± 1.9	104 ± 2.4
67.0	117 ± 5.9	122 ± 10.4	115 ± 5.3	80 ± 7.9	98 ± 0.3
200.0	0 ± 0.0	1 ± 1.3	2 ± 1.5	51 ± 12.8	7 ± 2.6
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					2123 ± 72.6
Positive Control ³			1199 ± 174.0	996 ± 59.3	
Positive Control ⁴	2138 ± 89.5	1625 ± 40.7			

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Strain: TA100

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	77 ± 2.5
2.0	75 ± 1.2
7.0	82 ± 4.9
21.0	76 ± 4.6
67.0	81 ± 5.0
200.0	15 ± 3.5
Trial Summary	Negative
Positive Control ²	2065 ± 21.5
Positive Control ³	
Positive Control ⁴	

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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	19 ± 2.0	10 ± 1.2	9 ± 1.2	8 ± 2.1	9 ± 0.0
2.0	20 ± 3.1	13 ± 1.7	11 ± 0.3	5 ± 1.9	8 ± 1.0
7.0	21 ± 2.0	11 ± 1.5	8 ± 2.9	7 ± 1.3	11 ± 0.3
21.0	22 ± 2.4	13 ± 1.5	10 ± 0.6	8 ± 1.5	16 ± 2.9
67.0	10 ± 1.2	6 ± 1.5	13 ± 0.7	7 ± 1.5	12 ± 3.3
200.0	0 ± 0.0	0 ± 0.0	0 ± 0.0	0 ± 0.0	0 ± 0.0
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					149 ± 5.4
Positive Control ³			119 ± 11.9	109 ± 4.7	
Positive Control ⁴	1515 ± 49.1	1171 ± 93.5			

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Strain: TA1535

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	7 ± 1.0
2.0	8 ± 1.5
7.0	7 ± 1.9
21.0	6 ± 0.0
67.0	10 ± 2.6
200.0	0 ± 0.0
Trial Summary	Negative
Positive Control ²	132 ± 6.2
Positive Control ³	
Positive Control ⁴	

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Test Compound: 2,5-Dichlorophenol

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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 ± 0.9	6 ± 1.5	7 ± 1.8	4 ± 1.2	6 ± 0.9
2.0	4 ± 1.2	6 ± 1.0	6 ± 2.1	4 ± 1.2	8 ± 1.2
7.0	7 ± 0.6	10 ± 1.3	7 ± 1.3	4 ± 0.3	7 ± 1.2
21.0	5 ± 1.9	6 ± 0.6	8 ± 1.5	6 ± 0.0	5 ± 1.5
67.0	6 ± 1.2	7 ± 0.3	7 ± 0.9	7 ± 1.3	7 ± 1.5
200.0	0 ± 0.3	2 ± 0.3	0 ± 0.0	1 ± 1.0	3 ± 2.2
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					83 ± 2.3
Positive Control ³			47 ± 5.8	50 ± 8.0	
Positive Control ⁵	260 ± 63.8	741 ± 53.4			

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Date Report Requested: 09/12/2018

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Strain: TA1537

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	5 ± 0.6
2.0	7 ± 0.9
7.0	4 ± 1.2
21.0	6 ± 3.0
67.0	6 ± 0.9
200.0	4 ± 1.5
Trial Summary	Negative
Positive Control ²	113 ± 9.5
Positive Control ³	
Positive Control ⁵	

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Date Report Requested: 09/12/2018

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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	10 ± 2.3	21 ± 2.9	20 ± 1.5	14 ± 1.8	20 ± 3.2
2.0	13 ± 2.0	17 ± 2.0	15 ± 1.8	15 ± 1.8	21 ± 2.6
7.0	10 ± 2.3	18 ± 2.4	24 ± 3.0	13 ± 3.1	24 ± 1.9
21.0	13 ± 2.9	12 ± 0.9	20 ± 1.0	18 ± 0.7	20 ± 1.8
67.0	10 ± 1.9	16 ± 3.5	16 ± 2.6	18 ± 1.5	15 ± 3.1
200.0	0 ± 0.3	0 ± 0.3	0 ± 0.0	0 ± 0.0	15 ± 6.2
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					2063 ± 162.2
Positive Control ³			1329 ± 61.0	1579 ± 112.4	
Positive Control ⁶	1452 ± 79.5	2021 ± 37.4			

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Test Compound: 2,5-Dichlorophenol

CAS Number: 583-78-8

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Strain: TA98

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	15 ± 2.0
2.0	22 ± 1.5
7.0	18 ± 1.9
21.0	20 ± 2.1
67.0	21 ± 1.8
200.0	5 ± 1.2
Trial Summary	Negative
Positive Control ²	2299 ± 166.0
Positive Control 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: 0.75 ug/Plate 2-Aminoanthracene

3: 1.5 ug/Plate 2-Aminoanthracene

4: 2.5 ug/Plate Sodium Azide

5: 80.0 ug/Plate 9-Aminoacridine

6: 12.0 ug/Plate 4-Nitro-O-Phenylenediamine

**** END OF REPORT ****