

Experiment Number: 356719

Test Type: **Genetic Toxicology - Bacterial
Mutagenicity**

G06: Ames Summary Data

Test Compound: **2,6-Dichlorophenol**

CAS Number: **87-65-0**

Date Report Requested: **09/13/2018**

Time Report Requested: **19:48:12**

NTP Study Number:

356719

Study Result:

Negative

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Test Compound: 2,6-Dichlorophenol

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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	153 ± 6.9	103 ± 5.9	95 ± 2.6	86 ± 3.7	137 ± 9.0
2.0	151 ± 5.2	99 ± 10.3	101 ± 1.9	90 ± 5.5	142 ± 20.0
69.0	147 ± 5.2	100 ± 1.2	95 ± 3.2	93 ± 12.8	155 ± 9.9
208.0	139 ± 5.8	93 ± 2.3	88 ± 4.3	85 ± 6.2	138 ± 19.1
667.0	123 ± 7.8	100 ± 5.4	126 ± 11.0	84 ± 8.1	141 ± 4.4
2000.0	Toxic	Toxic	Toxic	Toxic	Toxic
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					2778 ± 170.2
Positive Control ³			1897 ± 68.3	1906 ± 41.9	
Positive Control ⁴	2230 ± 37.8	1898 ± 13.5			

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Strain: TA100

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	103 ± 4.1
2.0	94 ± 8.7
69.0	99 ± 2.0
208.0	99 ± 3.0
667.0	117 ± 5.8
2000.0	Toxic
Trial Summary	Negative
Positive Control ²	2336 ± 93.5
Positive Control ³	
Positive Control ⁴	

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Test Compound: 2,6-Dichlorophenol

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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	7 ± 2.2	9 ± 1.5	6 ± 2.0	11 ± 3.0	6 ± 2.2
2.0	11 ± 0.7	14 ± 2.3	8 ± 2.0	8 ± 0.3	5 ± 1.0
69.0	8 ± 1.2	15 ± 2.7	8 ± 1.5	9 ± 2.3	7 ± 1.2
208.0	4 ± 0.6	12 ± 3.4	7 ± 2.0	8 ± 0.9	2 ± 0.0
667.0	2 ± 1.2	9 ± 0.3	8 ± 1.2	12 ± 2.0	4 ± 1.8
2000.0	0 ± 0.0 ^s	Toxic	0 ± 0.0 ^s	Toxic	Toxic
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					175 ± 13.3
Positive Control ³			111 ± 13.8	139 ± 2.8	
Positive Control ⁴	1085 ± 2.3	1050 ± 13.7			

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Test Compound: **2,6-Dichlorophenol**

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Strain: TA1535

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	8 ± 2.0
2.0	9 ± 1.5
69.0	10 ± 0.6
208.0	8 ± 0.6
667.0	10 ± 0.6
2000.0	Toxic
Trial Summary	Negative
Positive Control ²	184 ± 14.7
Positive Control ³	
Positive Control ⁴	

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Test Compound: 2,6-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	5 ± 1.9	4 ± 2.3	3 ± 0.9	5 ± 0.6	4 ± 1.5
2.0	4 ± 0.3	6 ± 0.9	8 ± 1.5	6 ± 1.5	4 ± 0.7
69.0	6 ± 0.9	5 ± 0.3	5 ± 1.9	8 ± 1.3	5 ± 1.5
208.0	6 ± 1.5	4 ± 1.2	8 ± 2.7	5 ± 2.3	7 ± 0.6
667.0	4 ± 1.2	6 ± 1.2	4 ± 0.7	4 ± 0.6	4 ± 2.2
2000.0	Toxic	Toxic	0 ± 0.3 ^s	Toxic	0 ± 0.0
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					127 ± 8.4
Positive Control ³			80 ± 3.5	66 ± 11.6	
Positive Control ⁵	400 ± 36.1	950 ± 20.1			

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Strain: TA1537

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	6 ± 0.7
2.0	4 ± 1.2
69.0	3 ± 1.5
208.0	3 ± 1.8
667.0	3 ± 1.0
2000.0	Toxic
Trial Summary	Negative
Positive Control ²	150 ± 2.2
Positive Control 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	13 ± 1.2	18 ± 0.3	19 ± 1.3	18 ± 0.6	18 ± 0.3
2.0	10 ± 0.0	20 ± 2.1	16 ± 3.7	16 ± 2.3	12 ± 3.5
69.0	16 ± 1.0	16 ± 1.3	12 ± 1.2	15 ± 0.9	20 ± 1.5
208.0	12 ± 0.7	17 ± 2.9	13 ± 0.3	19 ± 2.3	15 ± 2.4
667.0	10 ± 0.9	21 ± 1.9	12 ± 3.0	13 ± 2.6	12 ± 1.0
2000.0	0 ± 0.0 ^s	Toxic	0 ± 0.0 ^s	Toxic	Toxic
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					2617 ± 135.2
Positive Control ³			1752 ± 31.4	1876 ± 54.0	
Positive Control ⁶	1484 ± 57.1	1954 ± 9.1			

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Strain: TA98

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	24 ± 3.8
2.0	19 ± 3.8
69.0	24 ± 1.0
208.0	21 ± 6.2
667.0	13 ± 2.0
2000.0	0 ± 0.0
Trial Summary	Negative
Positive Control ²	2238 ± 98.7
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

s: Slight Toxicity

**** END OF REPORT ****