

Experiment Number: **190129**

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

G06: Ames Summary Data

Test Compound: **3,4-Dichlorophenol**

CAS Number: **95-77-2**

Date Report Requested: **09/14/2018**

Time Report Requested: **01:36:36**

NTP Study Number:

190129

Study Result:

Negative

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Date Report Requested: 09/14/2018

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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	103 ± 9.0	97 ± 3.8	84 ± 5.8	88 ± 7.4	92 ± 2.6
2.0	100 ± 4.4	102 ± 4.7	101 ± 12.5	86 ± 5.9	102 ± 7.2
7.0	85 ± 7.6	85 ± 7.5	105 ± 12.7	98 ± 5.8	90 ± 3.2
21.0	87 ± 6.9	96 ± 5.5	101 ± 6.3	81 ± 4.1	92 ± 3.8
67.0	94 ± 9.0	90 ± 3.9	108 ± 4.4	86 ± 2.8	75 ± 2.6
200.0	Toxic	Toxic	82 ± 9.4	66 ± 2.3	69 ± 1.5 ^s
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					3285 ± 44.8
Positive Control ³			2634 ± 68.3	1961 ± 17.3	
Positive Control ⁴	1972 ± 47.7	1265 ± 21.3			

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Strain: TA100

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	86 ± 3.5
2.0	84 ± 4.0
7.0	82 ± 4.3
21.0	94 ± 3.9
67.0	91 ± 6.2
200.0	81 ± 3.1
Trial Summary	Negative
Positive Control ²	2502 ± 52.4
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	16 ± 1.7	14 ± 2.2	9 ± 1.7	7 ± 1.0	17 ± 2.4
2.0	18 ± 6.0	10 ± 1.2	11 ± 2.2	9 ± 1.7	15 ± 1.2
7.0	16 ± 1.8	12 ± 2.3	10 ± 1.2	8 ± 1.7	16 ± 0.0
21.0	16 ± 1.5	11 ± 1.2	7 ± 0.3	7 ± 0.9	18 ± 2.3
67.0	15 ± 2.3	11 ± 1.9	10 ± 1.5	10 ± 2.3	21 ± 3.5
200.0	5 ± 1.7 ^s	Toxic	6 ± 1.2	4 ± 0.6	7 ± 1.0 ^s
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					228 ± 21.5
Positive Control ³			179 ± 10.4	123 ± 16.5	
Positive Control ⁴	1268 ± 52.3	1084 ± 25.9			

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Strain: TA1535

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	6 ± 1.0
2.0	7 ± 0.3
7.0	5 ± 0.9
21.0	9 ± 1.2
67.0	6 ± 0.0
200.0	3 ± 1.0
Trial Summary	Negative
Positive Control ²	160 ± 11.1
Positive Control ³	
Positive Control ⁴	

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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	7 ± 1.2	4 ± 0.7	8 ± 0.9	4 ± 0.9	7 ± 2.3
2.0	3 ± 0.6	6 ± 1.0	5 ± 0.3	2 ± 0.6	7 ± 1.2
7.0	5 ± 0.3	6 ± 1.5	8 ± 0.0	5 ± 0.6	6 ± 1.2
21.0	6 ± 0.7	3 ± 0.3	7 ± 1.2	7 ± 0.7	5 ± 1.5
67.0	6 ± 1.2	5 ± 0.6	7 ± 2.4	6 ± 2.4	5 ± 1.9
200.0	Toxic	Toxic	6 ± 1.2	3 ± 0.6	7 ± 1.3
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					208 ± 25.3
Positive Control ³			139 ± 13.7	57 ± 5.5	
Positive Control ⁵	332 ± 47.4	276 ± 15.9			

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Strain: TA1537

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	7 ± 0.6
2.0	5 ± 0.7
7.0	5 ± 0.9
21.0	5 ± 2.0
67.0	8 ± 1.3
200.0	4 ± 0.6
Trial Summary	Negative
Positive Control ²	132 ± 4.9
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% Rat S9
Vehicle Control ¹	24 ± 3.2	19 ± 2.0	22 ± 2.3	19 ± 2.6	19 ± 2.6
2.0	18 ± 2.6	14 ± 2.0	23 ± 5.2	17 ± 3.8	17 ± 3.8
7.0	18 ± 6.4	15 ± 2.3	22 ± 0.6	19 ± 2.0	19 ± 2.0
21.0	20 ± 2.7	15 ± 2.1	24 ± 1.5	18 ± 2.5	18 ± 2.5
67.0	16 ± 0.7	12 ± 1.5	28 ± 0.6	23 ± 1.5	23 ± 1.5
200.0	5 ± 2.9	3 ± 1.7	24 ± 0.9	16 ± 0.3	16 ± 0.3
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					
Positive Control ³			2597 ± 76.7	1791 ± 23.9	1790 ± 23.8
Positive Control ⁶	1984 ± 78.6	2062 ± 152.1			

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Strain: TA98

Dose (ug/Plate)	With 10% Hamster S9	With 10% Hamster S9
Vehicle Control ¹	22 ± 0.0	20 ± 3.8
2.0	19 ± 1.5	15 ± 1.7
7.0	25 ± 0.6	14 ± 2.0
21.0	25 ± 4.2	19 ± 2.5
67.0	19 ± 3.5	16 ± 2.3
200.0	5 ± 3.0 ^s	16 ± 1.0
Trial Summary	Negative	Negative
Positive Control ²	3170 ± 27.0	2455 ± 198.0
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

s: Slight Toxicity

**** END OF REPORT ****