

Experiment Number: 732411

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

G06: Ames Summary Data

Test Compound: **3,5-Dichlorophenol**

CAS Number: **591-35-5**

Date Report Requested: **09/17/2018**

Time Report Requested: **04:51:22**

NTP Study Number:

732411

Study Result:

Equivocal

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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	98 ± 4.7	112 ± 11.9	92 ± 8.5	102 ± 1.5	74 ± 1.3
2.2	92 ± 5.0	101 ± 2.7	92 ± 2.5	107 ± 10.1	79 ± 5.5
6.9	90 ± 8.8	113 ± 5.0	89 ± 6.4	100 ± 8.6	73 ± 9.1
21.0	94 ± 4.0	114 ± 11.2	88 ± 4.7	104 ± 8.0	81 ± 3.0
67.0	91 ± 6.8	93 ± 3.6	97 ± 3.8	104 ± 2.8	100 ± 4.0
200.0	Toxic	20 ± 4.1 ^s	21 ± 5.8 ^s	81 ± 3.8	46 ± 7.1
Trial Summary	Negative	Negative	Negative	Negative	Equivocal
Positive Control ²					3634 ± 122.7
Positive Control ³			2463 ± 27.3	1281 ± 36.1	
Positive Control ⁴	2133 ± 46.5	1625 ± 40.7			

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Strain: TA100

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	79 ± 5.0
2.2	69 ± 8.4
6.9	89 ± 4.7
21.0	89 ± 6.8
67.0	128 ± 1.5
200.0	64 ± 3.8 ^s
Trial Summary	Equivocal
Positive Control ²	2272 ± 66.4
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	19 ± 1.2	15 ± 3.1	8 ± 0.9	9 ± 1.5	8 ± 2.0
2.2	16 ± 1.2	15 ± 2.1	6 ± 1.2	7 ± 1.7	10 ± 1.7
6.9	17 ± 2.7	15 ± 6.4	7 ± 4.2	7 ± 1.5	6 ± 0.7
21.0	12 ± 0.0	11 ± 1.5	9 ± 1.2	9 ± 1.0	7 ± 0.7
67.0	11 ± 4.4	13 ± 1.5	6 ± 0.7	6 ± 1.2	6 ± 1.7
200.0	Toxic	0 ± 0.0 ^s	0 ± 0.0 ^s	0 ± 0.3 ^s	3 ± 1.2 ^s
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					129 ± 12.8
Positive Control ³			107 ± 6.0	109 ± 4.7	
Positive Control ⁴	977 ± 151.5	1171 ± 93.5			

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Test Compound: **3,5-Dichlorophenol**

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Strain: TA1535

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	9 ± 0.3
2.2	9 ± 1.0
6.9	7 ± 2.2
21.0	8 ± 1.0
67.0	10 ± 1.7
200.0	2 ± 0.7 ^s
Trial Summary	Negative
Positive Control ²	132 ± 6.2
Positive Control ³	
Positive Control ⁴	

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Mutagenicity**G06: Ames Summary Data**

Test Compound: 3,5-Dichlorophenol

CAS Number: 591-35-5

Date Report Requested: 09/17/2018

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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	8 ± 0.7	5 ± 0.9	7 ± 0.0	5 ± 1.5	6 ± 1.6
2.2	8 ± 1.2	6 ± 1.9	5 ± 0.3	4 ± 1.0	5 ± 0.3
6.9	6 ± 1.0	7 ± 0.9	3 ± 1.2	6 ± 0.3	5 ± 0.9
21.0	8 ± 0.6	6 ± 1.5	5 ± 1.2	7 ± 0.9	6 ± 3.5
67.0	6 ± 0.7	5 ± 1.3	6 ± 1.2	5 ± 0.6	9 ± 1.8
200.0	Toxic	Toxic	3 ± 0.3 ^s	3 ± 2.3	5 ± 0.7
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					327 ± 53.0
Positive Control ³			279 ± 15.0	50 ± 8.0	
Positive Control ⁵	287 ± 75.4	741 ± 53.4			

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Strain: TA1537

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	7 ± 1.2
2.2	8 ± 1.9
6.9	6 ± 2.2
21.0	6 ± 0.6
67.0	10 ± 0.9
200.0	6 ± 1.8
Trial Summary	Negative
Positive Control ²	83 ± 9.4
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	16 ± 3.1	15 ± 2.7	20 ± 1.3	16 ± 3.3	24 ± 2.6
2.2	16 ± 0.9	20 ± 1.5	15 ± 4.3	17 ± 0.9	21 ± 3.1
6.9	17 ± 2.1	20 ± 1.5	23 ± 2.0	17 ± 0.6	19 ± 2.9
21.0	14 ± 1.3	18 ± 3.3	21 ± 6.2	24 ± 2.8	17 ± 2.9
67.0	17 ± 1.5	18 ± 2.4	23 ± 2.9	21 ± 0.3	23 ± 1.5
200.0	Toxic	0 ± 0.3 ^s	12 ± 1.5	9 ± 2.4	16 ± 2.1
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					2333 ± 158.0
Positive Control ³			2017 ± 42.9	1579 ± 112.4	
Positive Control ⁶	1488 ± 56.4	2021 ± 37.4			

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Strain: TA98

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	21 ± 3.8
2.2	24 ± 3.2
6.9	19 ± 1.5
21.0	27 ± 1.2
67.0	24 ± 4.4
200.0	9 ± 1.5
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

s: Slight Toxicity

**** END OF REPORT ****