

Experiment Number: 605475

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: 2,4,6-Trichlorophenol

CAS Number: 88-06-2

Date Report Requested: 09/15/2018

Time Report Requested: 00:56:44

NTP Study Number:

605475

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	80 ± 6.5	91 ± 3.2	84 ± 8.5	88 ± 7.0	104 ± 1.9
3.3					
10.0	97 ± 9.3	93 ± 8.7	69 ± 5.9	105 ± 9.6	127 ± 6.4
33.3	108 ± 7.2	94 ± 2.3	54 ± 10.3	92 ± 3.2	120 ± 9.4
100.0	101 ± 8.7	79 ± 9.1	61 ± 5.0	90 ± 8.8	118 ± 5.5
333.3	86 ± 5.5	59 ± 8.4	25 ± 7.8	81 ± 9.0	126 ± 13.0
666.7	49 ± 9.2	2 ± 1.7	Toxic	2 ± 2.3 ^s	32 ± 13.9
1000.0					
3333.3					
10000.0					
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²			1545 ± 54.0	1066 ± 12.2	2062 ± 75.0
Positive Control ³	328 ± 33.9	500 ± 10.5			

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Strain: TA100

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	93 ± 6.0
3.3	
10.0	92 ± 10.0
33.3	92 ± 6.3
100.0	100 ± 12.4
333.3	84 ± 5.1
666.7	14 ± 8.9 ^s
1000.0	
3333.3	
10000.0	
Trial Summary	Negative
Positive Control ²	290 ± 21.3
Positive Control ³	

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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	14 ± 1.2	8 ± 0.6	7 ± 0.6	5 ± 2.0	8 ± 1.3
10.0	19 ± 3.5	16 ± 1.8	11 ± 1.5	7 ± 1.2	6 ± 0.6
33.3	13 ± 0.3	11 ± 2.5	8 ± 0.9	6 ± 1.7	12 ± 2.3
100.0	14 ± 3.8	8 ± 2.9	6 ± 2.0	10 ± 1.2	6 ± 0.9
333.3	17 ± 0.3	5 ± 0.6	4 ± 2.0	3 ± 0.9	5 ± 1.0
666.7	17 ± 4.6	0 ± 0.3	0 ± 0.0	2 ± 0.9	4 ± 0.3
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ³	352 ± 4.8	337 ± 22.5			
Positive Control ⁴			274 ± 33.4	387 ± 26.3	385 ± 22.7

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Strain: TA1535

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	12 ± 3.1
10.0	5 ± 1.0
33.3	5 ± 0.7
100.0	3 ± 1.2
333.3	2 ± 1.2
666.7	2 ± 0.9
Trial Summary	Negative
Positive Control ³	
Positive Control ⁴	186 ± 12.9

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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 ± 0.6	6 ± 0.3	3 ± 1.2	6 ± 0.7	8 ± 3.2
10.0	15 ± 2.0	7 ± 0.9	4 ± 0.3	7 ± 1.2	11 ± 1.0
33.3	12 ± 0.0	4 ± 0.9	5 ± 1.5	6 ± 1.0	5 ± 0.6
100.0	9 ± 3.0	4 ± 0.7	3 ± 0.9	8 ± 1.0	8 ± 3.5
333.3	4 ± 1.9	2 ± 1.2	2 ± 0.6	1 ± 0.6	3 ± 0.9
666.7	0 ± 0.0 ^s	0 ± 0.3	Toxic	0 ± 0.0 ^s	1 ± 0.6
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ⁴			91 ± 6.6	461 ± 16.3	385 ± 9.5
Positive Control ⁵	156 ± 19.7	258 ± 17.3			

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Strain: TA1537

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	5 ± 0.7
10.0	4 ± 1.0
33.3	5 ± 1.0
100.0	4 ± 0.6
333.3	2 ± 2.0
666.7	0 ± 0.0 ^s
Trial Summary	Negative
Positive Control ⁴	362 ± 20.4
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	20 ± 3.2	14 ± 2.5	22 ± 1.0	22 ± 3.1	21 ± 3.5
10.0	26 ± 2.4	9 ± 0.6	18 ± 2.8	18 ± 1.5	30 ± 1.5
33.3	20 ± 2.6	6 ± 0.3	17 ± 4.0	27 ± 0.9	28 ± 4.4
100.0	16 ± 1.2	12 ± 1.7	15 ± 0.9	21 ± 3.5	25 ± 0.9
333.3	11 ± 2.7	5 ± 0.6	12 ± 3.2	20 ± 4.4	16 ± 1.3
666.7	14 ± 1.2	3 ± 0.9	5 ± 2.0	7 ± 0.6	9 ± 1.8
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²			885 ± 96.6	787 ± 53.4	1361 ± 32.5
Positive Control ⁶	682 ± 33.7	693 ± 39.0			

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Strain: TA98

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	22 ± 2.2
10.0	27 ± 0.6
33.3	19 ± 3.3
100.0	18 ± 0.6
333.3	13 ± 1.9
666.7	3 ± 1.5
Trial Summary	Negative
Positive Control ²	199 ± 7.8
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 2-Aminoanthracene

3: 1.0 ug/Plate Sodium Azide

4: 2.5 ug/Plate 2-Aminoanthracene

5: 50.0 ug/Plate 9-Aminoacridine

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

s: Slight Toxicity

**** END OF REPORT ****