

Experiment Number: 844035

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: 1,1,1-Trichloroethane

CAS Number: 71-55-6

Date Report Requested: 09/16/2018

Time Report Requested: 04:21:17

NTP Study Number:

844035

Study Result:

Negative

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Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9
Vehicle Control ¹	127 ± 3.8	79 ± 2.2	98 ± 10.9	179 ± 9.8	118 ± 2.0
100.0	124 ± 5.1	68 ± 3.5	77 ± 8.4	154 ± 6.2	112 ± 2.6
333.0	109 ± 12.2	65 ± 3.3	92 ± 4.8	172 ± 7.0	92 ± 12.0
1000.0	122 ± 15.7	57 ± 2.5	81 ± 4.3	163 ± 1.5	114 ± 11.9
3333.0	124 ± 12.9	57 ± 0.3	80 ± 6.1	159 ± 8.1	115 ± 17.6
10000.0	114 ± 5.9	50 ± 14.4	68 ± 3.9	143 ± 2.4	110 ± 9.9
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²				1114 ± 345.6	1671 ± 555.4
Positive Control ³	1280 ± 13.3	180 ± 21.6	1171 ± 97.5		

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Strain: TA100

Dose (ug/Plate)	With 10% Hamster S9	With 10% Hamster S9
Vehicle Control ¹	174 ± 5.6	162 ± 18.2
100.0	150 ± 9.1	98 ± 4.8
333.0	146 ± 7.4	115 ± 22.2
1000.0	150 ± 5.2	122 ± 3.8
3333.0	159 ± 10.9	112 ± 3.5
10000.0	134 ± 17.9	104 ± 1.5
Trial Summary	Negative	Negative
Positive Control ²	1615 ± 47.1	1320 ± 173.4
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	10 ± 2.3	3 ± 1.3	13 ± 3.9	5 ± 1.5	18 ± 0.3
100.0	13 ± 1.5	4 ± 0.3	12 ± 2.0	3 ± 1.3	19 ± 1.5
333.0	11 ± 0.9	3 ± 0.0	12 ± 1.7	3 ± 0.3	12 ± 1.7
1000.0	8 ± 2.8	2 ± 1.2	11 ± 0.6	3 ± 0.6	12 ± 0.6
3333.0	6 ± 0.9	4 ± 0.9	9 ± 1.5	4 ± 1.2	11 ± 1.2
10000.0	8 ± 1.2	2 ± 0.7	11 ± 2.7	4 ± 0.9	8 ± 1.5
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ⁴			154 ± 8.1	88 ± 15.2	123 ± 1.9
Positive Control ³	1300 ± 37.7	354 ± 52.9			

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Strain: TA1535

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	5 ± 1.3
100.0	6 ± 1.2
333.0	7 ± 1.9
1000.0	5 ± 0.9
3333.0	4 ± 0.0
10000.0	5 ± 1.5
Trial Summary	Negative
Positive Control ⁴	289 ± 50.3
Positive Control ³	

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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	11 ± 1.9	4 ± 1.2	13 ± 0.7	4 ± 1.5	18 ± 1.5
100.0	7 ± 1.3	3 ± 0.9	14 ± 2.6	1 ± 0.7	24 ± 0.5
333.0	10 ± 2.5	3 ± 1.0	11 ± 0.7	3 ± 0.3	24 ± 4.7
1000.0	6 ± 1.5	2 ± 0.3	11 ± 2.6	2 ± 0.7	18 ± 1.2
3333.0	8 ± 2.2	3 ± 1.5	11 ± 1.8	2 ± 0.9	16 ± 2.9
10000.0	6 ± 2.1	1 ± 0.9	9 ± 1.7	5 ± 1.2	7 ± 2.7
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ⁴			319 ± 50.9	297 ± 42.7	350 ± 58.3
Positive Control ⁵	199 ± 41.4	129 ± 38.7			

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Strain: TA1537

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	3 ± 0.6
100.0	3 ± 1.2
333.0	4 ± 0.9
1000.0	5 ± 1.3
3333.0	2 ± 0.6
10000.0	1 ± 0.3
Trial Summary	Negative
Positive Control ⁴	137 ± 14.4
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 ± 3.5	12 ± 1.5	20 ± 2.3	17 ± 1.2	24 ± 3.0
100.0	19 ± 1.2	7 ± 4.5	16 ± 2.6	21 ± 0.3	18 ± 1.8
333.0	19 ± 3.0	9 ± 0.9	10 ± 5.2	16 ± 3.3	19 ± 2.3
1000.0	19 ± 2.6	11 ± 1.5	18 ± 5.4	13 ± 1.9	16 ± 1.7
3333.0	12 ± 1.9	9 ± 0.9	16 ± 1.2	14 ± 2.4	16 ± 2.0
10000.0	17 ± 4.2	10 ± 1.5	18 ± 2.0	14 ± 2.6	16 ± 1.2
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²			1392 ± 48.2	838 ± 59.6	1644 ± 246.4
Positive Control ⁶	128 ± 6.4	165 ± 30.1			

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Strain: TA98

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	15 ± 1.5
100.0	18 ± 2.4
333.0	19 ± 2.6
1000.0	15 ± 0.9
3333.0	15 ± 1.5
10000.0	10 ± 2.0
Trial Summary	Negative
Positive Control ²	615 ± 107.5
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: 3.3 ug/Plate Sodium Azide

4: 2.0 ug/Plate 2-Aminoanthracene

5: 33.0 ug/Plate 9-Aminoacridine

6: 3.3 ug/Plate 4-Nitro-O-Phenylenediamine

**** END OF REPORT ****