

Experiment Number: 648348

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: 1-Chloro-2-propanol

CAS Number: 127-00-4

Date Report Requested: 09/11/2018

Time Report Requested: 05:13:20

NTP Study Number:

648348

Study Result:

Positive

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Strain: TA100

Dose (ug/Plate)	Without S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	127 ± 7.5	124 ± 14.5	153 ± 3.5
100.0	135 ± 16.5	134 ± 6.7	135 ± 12.4
333.0	131 ± 8.3	123 ± 3.3	136 ± 8.1
1000.0	127 ± 5.9	132 ± 4.6	144 ± 14.1
3333.0	130 ± 1.3	148 ± 5.0	161 ± 10.4
10000.0	149 ± 10.7	177 ± 5.5	159 ± 15.8
Trial Summary	Negative	Equivocal	Negative
Positive Control ²			875 ± 68.8
Positive Control ³		719 ± 59.3	
Positive Control ⁴	444 ± 11.0		

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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	20 ± 1.5	34 ± 0.7	15 ± 2.2	13 ± 3.2	13 ± 2.4
100.0	30 ± 3.3		9 ± 1.2		10 ± 2.1
333.0	37 ± 2.4	29 ± 2.8	10 ± 4.3	11 ± 1.8	11 ± 0.9
1000.0	39 ± 2.7	29 ± 0.3	13 ± 1.0	13 ± 1.0	14 ± 0.9
3333.0	37 ± 0.6	34 ± 2.4	17 ± 1.7	21 ± 2.0	27 ± 2.3
6666.0		49 ± 5.0		42 ± 5.5	
10000.0	64 ± 2.5	67 ± 15.0	48 ± 1.7	52 ± 1.5	39 ± 4.7
Trial Summary	Weakly Positive	Equivocal	Equivocal	Positive	Positive
Positive Control ³					331 ± 11.7
Positive Control ⁴	344 ± 18.5	347 ± 43.9			
Positive Control ⁵			217 ± 1.3	89 ± 4.0	

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Strain: TA1535

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	11 ± 2.2
100.0	
333.0	11 ± 3.0
1000.0	16 ± 2.6
3333.0	40 ± 6.4
6666.0	53 ± 0.9
10000.0	55 ± 1.2
Trial Summary	Positive
Positive Control ³	134 ± 10.1
Positive Control ⁴	
Positive Control ⁵	

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Strain: TA97

Dose (ug/Plate)	Without S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	152 ± 22.8	206 ± 4.4	179 ± 16.9
100.0	151 ± 15.5	199 ± 7.8	186 ± 18.0
333.0	142 ± 14.7	191 ± 12.2	196 ± 4.5
1000.0	139 ± 5.5	209 ± 5.5	178 ± 17.9
3333.0	148 ± 10.1	214 ± 15.5	69 ± 24.0
10000.0	156 ± 4.5	175 ± 20.0	0 ± 0.0 ^s
Trial Summary	Negative	Negative	Negative
Positive Control ²			628 ± 35.9
Positive Control ³		589 ± 27.5	
Positive Control ⁶	479 ± 28.3		

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Strain: TA98

Dose (ug/Plate)	Without S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	24 ± 3.8	41 ± 4.9	32 ± 3.6
100.0	14 ± 1.5	28 ± 4.9	29 ± 1.7
333.0	25 ± 3.8	34 ± 3.4	25 ± 0.9
1000.0	22 ± 2.3	28 ± 2.5	29 ± 4.9
3333.0	22 ± 1.0	24 ± 1.2	26 ± 1.5
10000.0	17 ± 1.2	27 ± 0.6	18 ± 2.0
Trial Summary	Negative	Negative	Negative
Positive Control ²			577 ± 51.1
Positive Control ³		424 ± 11.4	
Positive Control ⁷	746 ± 39.0		

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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: Water

2: 0.5 ug/Plate 2-Aminoanthracene

3: 1.0 ug/Plate 2-Aminoanthracene

4: 1.0 ug/Plate Sodium Azide

5: 2.5 ug/Plate 2-Aminoanthracene

6: 25.0 ug/Plate 9-Aminoacridine

7: 2.5 ug/Plate 4-Nitro-O-Phenylenediamine

s: Slight Toxicity

**** END OF REPORT ****