

Experiment Number: 111503

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: **19:48:42**

NTP Study Number:

111503

Study Result:

Positive

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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	119 ± 3.8	120 ± 4.4	133 ± 4.8	136 ± 4.9	129 ± 3.8
100.0	120 ± 7.8		131 ± 3.2		144 ± 10.1
333.0	117 ± 4.7	147 ± 7.1	126 ± 5.9	146 ± 7.8	143 ± 11.4
1000.0	116 ± 3.5		136 ± 3.1	138 ± 13.7	142 ± 2.4
1666.0		153 ± 4.3			
3333.0	144 ± 21.7	147 ± 2.8	162 ± 13.0	161 ± 8.7	133 ± 4.4
6666.0		160 ± 6.0		200 ± 5.2	
10000.0	188 ± 4.9	172 ± 10.4	197 ± 7.4	227 ± 9.3	151 ± 2.3
Trial Summary	Equivocal	Equivocal	Equivocal	Weakly Positive	Negative
Positive Control ²			326 ± 7.6	352 ± 26.3	790 ± 67.8
Positive Control ³	229 ± 34.4	274 ± 6.4			

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Strain: TA100

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	128 ± 5.9
100.0	
333.0	124 ± 3.8
1000.0	129 ± 6.2
1666.0	
3333.0	158 ± 4.7
6666.0	195 ± 11.8
10000.0	201 ± 11.7
Trial Summary	Weakly Positive
Positive Control ²	718 ± 68.9
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 ± 2.3	19 ± 3.8	8 ± 2.0	9 ± 2.6	9 ± 2.3
100.0	21 ± 5.2		11 ± 1.5		12 ± 1.7
333.0	17 ± 2.3	30 ± 3.4	7 ± 0.9	14 ± 2.9	7 ± 2.8
1000.0	18 ± 5.8		16 ± 1.3	22 ± 2.2	16 ± 0.6
1666.0		54 ± 6.0			
3333.0	29 ± 0.9	69 ± 6.3	21 ± 3.2	60 ± 6.2	26 ± 5.5
6666.0		93 ± 5.2		73 ± 8.5	
10000.0	58 ± 9.7	122 ± 4.6	47 ± 5.2	112 ± 9.0	41 ± 1.8
Trial Summary	Positive	Positive	Positive	Positive	Positive
Positive Control ³	134 ± 10.7	236 ± 12.4			
Positive Control ⁴			152 ± 4.3	172 ± 8.7	161 ± 9.0

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Strain: TA1535

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	10 ± 2.7
100.0	
333.0	12 ± 1.8
1000.0	21 ± 1.5
1666.0	
3333.0	37 ± 4.4
6666.0	78 ± 2.2
10000.0	108 ± 4.2
Trial Summary	Positive
Positive Control ³	
Positive Control ⁴	216 ± 9.7

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Strain: TA1537

Dose (ug/Plate)	Without S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	5 ± 1.2	4 ± 1.0	7 ± 1.2
100.0	5 ± 0.6	6 ± 0.7	4 ± 0.9
333.0	5 ± 1.5	5 ± 0.9	4 ± 0.9
1000.0	6 ± 1.3	6 ± 1.7	3 ± 0.9
3333.0	7 ± 2.6	5 ± 0.3	5 ± 0.6
10000.0	5 ± 0.7	3 ± 0.3	3 ± 1.2
Trial Summary	Negative	Negative	Negative
Positive Control ⁴		160 ± 10.6	253 ± 40.8
Positive Control ⁵	143 ± 13.3		

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Strain: TA98

Dose (ug/Plate)	Without S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	17 ± 2.4	17 ± 1.7	25 ± 3.0
100.0	15 ± 3.5	30 ± 7.1	33 ± 4.8
333.0	16 ± 1.2	30 ± 5.2	24 ± 3.8
1000.0	13 ± 2.3	31 ± 3.2	26 ± 3.5
3333.0	20 ± 2.7	22 ± 2.3	19 ± 1.2
10000.0	14 ± 3.5	25 ± 2.2	20 ± 5.2
Trial Summary	Negative	Negative	Negative
Positive Control ²		255 ± 12.2	620 ± 90.5
Positive Control ⁶	913 ± 42.2		

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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: 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

**** END OF REPORT ****