

Experiment Number: 972163

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

G06: Ames Summary Data

Test Compound: **3-Chloro-1,2-propanediol**

CAS Number: **96-24-2**

Date Report Requested: **09/18/2018**

Time Report Requested: **02:27:26**

NTP Study Number:

972163

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	74 ± 5.0	89 ± 7.1	100 ± 9.0	76 ± 3.7	100 ± 4.1
100.0	91 ± 7.3	90 ± 7.1	95 ± 5.2	84 ± 0.3	97 ± 12.6
333.0	105 ± 12.0	69 ± 6.8	99 ± 5.1	86 ± 7.3	109 ± 6.9
1000.0	187 ± 9.3	157 ± 2.3	150 ± 9.1	114 ± 4.9	117 ± 1.5
3333.0	334 ± 17.4	335 ± 16.5	256 ± 4.3	217 ± 11.9	210 ± 13.2
10000.0	652 ± 46.5	1123 ± 89.3	417 ± 8.3	375 ± 19.0	340 ± 10.0
Trial Summary	Positive	Positive	Positive	Positive	Positive
Positive Control ²					1013 ± 17.0
Positive Control ³			1589 ± 13.6	1560 ± 34.5	
Positive Control ⁴	1011 ± 16.5	1136 ± 28.4			

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Strain: TA100

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	79 ± 7.5
100.0	87 ± 2.5
333.0	102 ± 3.5
1000.0	163 ± 6.7
3333.0	326 ± 7.8
10000.0	574 ± 9.7
Trial Summary	Positive
Positive Control ²	1092 ± 42.3
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	18 ± 2.9	19 ± 2.7	11 ± 0.6	11 ± 3.3	61 ± 4.6
100.0	20 ± 1.9	30 ± 3.0	14 ± 1.7	18 ± 2.0	172 ± 13.2
333.0	32 ± 2.2	35 ± 2.2	28 ± 3.1	25 ± 4.0	482 ± 18.2
1000.0	57 ± 3.2	73 ± 1.5	59 ± 3.6	66 ± 2.2	15 ± 1.8
3333.0	131 ± 10.8	173 ± 5.8	129 ± 7.2	172 ± 13.0	14 ± 1.9
10000.0	318 ± 17.7	328 ± 6.5 ^s	360 ± 2.6	365 ± 7.6	30 ± 4.6
Trial Summary	Positive	Positive	Positive	Positive	Positive
Positive Control ²					75 ± 9.9
Positive Control ³			101 ± 9.6	99 ± 4.1	
Positive Control ⁴	522 ± 18.7	879 ± 8.9			

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Strain: TA1535

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	16 ± 2.5
100.0	21 ± 4.4
333.0	30 ± 2.6
1000.0	78 ± 4.7
3333.0	259 ± 13.3
10000.0	570 ± 17.1
Trial Summary	Positive
Positive Control ²	74 ± 1.3
Positive Control ³	
Positive Control ⁴	

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Test Type: Genetic Toxicology - Bacterial
Mutagenicity**G06: Ames Summary Data**Test Compound: 3-Chloro-1,2-propanediol
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Strain: TA97

Dose (ug/Plate)	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9	With 10% Hamster S9
Vehicle Control ¹	80 ± 10.7	93 ± 3.9	88 ± 3.8	98 ± 9.4
100.0	75 ± 3.6	83 ± 4.8	81 ± 7.2	113 ± 3.5
333.0	80 ± 13.8	40 ± 9.4	100 ± 4.5	113 ± 0.9
1000.0	89 ± 1.5	74 ± 5.5	101 ± 5.9	102 ± 5.4
3333.0	88 ± 7.4	50 ± 8.0	103 ± 5.8	102 ± 6.5
10000.0	84 ± 0.6	44 ± 5.4	131 ± 11.3	111 ± 5.3
Trial Summary	Negative	Negative	Equivocal	Negative
Positive Control ²			365 ± 20.7	835 ± 17.5
Positive Control ³	1032 ± 26.0	1094 ± 49.4		
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	9 ± 1.5	17 ± 1.5	25 ± 1.5	41 ± 2.4	29 ± 3.8
100.0	13 ± 2.2	14 ± 2.2	27 ± 0.7	36 ± 4.0	19 ± 0.9
333.0	13 ± 1.5	18 ± 0.0	33 ± 2.3	35 ± 1.5	36 ± 1.5
1000.0	17 ± 3.2	23 ± 3.2	25 ± 2.6	38 ± 3.9	24 ± 2.3
3333.0	32 ± 1.2	41 ± 2.3	28 ± 1.3	36 ± 2.0	25 ± 3.2
10000.0	72 ± 3.5	95 ± 3.2	27 ± 1.5	30 ± 4.4	30 ± 2.6
Trial Summary	Positive	Positive	Negative	Negative	Negative
Positive Control ²					337 ± 13.7
Positive Control ³			866 ± 23.5	1187 ± 27.2	
Positive Control ⁶	1902 ± 34.4	1357 ± 44.8			

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Strain: TA98

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	33 ± 2.2
100.0	37 ± 2.5
333.0	37 ± 4.8
1000.0	35 ± 1.2
3333.0	29 ± 3.2
10000.0	39 ± 7.2
Trial Summary	Negative
Positive Control ²	797 ± 12.9
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: Water

2: 0.75 ug/Plate 2-Aminoanthracene

3: 1.5 ug/Plate 2-Aminoanthracene

4: 2.5 ug/Plate Sodium Azide

5: 4.0 ug/Plate 9-Aminoacridine

6: 12.0 ug/Plate 4-Nitro-O-Phenylenediamine

s: Slight Toxicity

**** END OF REPORT ****