

Experiment Number: 534263

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: 3-Iodo-1,2-propanediol

CAS Number: 554-10-9

Date Report Requested: 09/13/2018

Time Report Requested: 00:07:25

NTP Study Number:

534263

Study Result:

Positive

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Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 30% Rat S9	With 30% Rat S9	With 30% Rat S9
Vehicle Control ¹	142 ± 9.5	157 ± 9.3	165 ± 0.3	154 ± 4.8	173 ± 13.2
10.0			173 ± 10.7	133 ± 6.5	196 ± 3.5
33.0	151 ± 4.2	148 ± 6.7	203 ± 15.7	200 ± 19.5	179 ± 9.5
100.0	182 ± 3.5	179 ± 7.4	230 ± 33.8	205 ± 2.4	214 ± 15.2
333.0	236 ± 4.9	229 ± 3.5	376 ± 18.0	242 ± 4.6	239 ± 3.7
1000.0	450 ± 33.2	362 ± 11.7	760 ± 20.0	372 ± 44.3	379 ± 2.5
3333.0	1251 ± 192.8	673 ± 4.9			
Trial Summary	Positive	Positive	Positive	Positive	Positive
Positive Control ²					
Positive Control ³			489 ± 13.1	544 ± 19.5	699 ± 5.5
Positive Control ⁴	1010 ± 21.7	454 ± 66.6			

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Strain: TA100

Dose (ug/Plate)	With 30% Hamster S9	With 30% Hamster S9	With 30% Hamster S9
Vehicle Control ¹	174 ± 3.4	117 ± 18.7	178 ± 5.8
10.0	187 ± 8.2	129 ± 4.1	200 ± 7.2
33.0	195 ± 7.4	152 ± 4.9	207 ± 3.7
100.0	222 ± 6.7	189 ± 2.0	209 ± 4.6
333.0	379 ± 21.7	227 ± 4.6	289 ± 10.9
1000.0	728 ± 34.9	310 ± 9.5	456 ± 3.6
3333.0			
Trial Summary	Positive	Positive	Positive
Positive Control ²	868 ± 26.4	665 ± 27.9	1146 ± 19.9
Positive Control ³			
Positive Control ⁴			

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Strain: TA98

Dose (ug/Plate)	Without S9	With 30% Rat S9	With 30% Hamster S9
Vehicle Control ¹	19 ± 1.9	14 ± 0.9	30 ± 1.8
100.0	19 ± 1.0	11 ± 2.7	30 ± 2.7
333.0	22 ± 3.3	16 ± 0.6	33 ± 4.1
1000.0	18 ± 2.0	17 ± 0.6	32 ± 5.9
3333.0	19 ± 2.8	15 ± 0.9	34 ± 3.4
10000.0	17 ± 1.7	15 ± 2.6	23 ± 1.5
Trial Summary	Negative	Negative	Negative
Positive Control ²		186 ± 14.0	543 ± 17.1
Positive Control ⁵	575 ± 13.0		

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Mutagenicity**

G06: Ames Summary Data

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

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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: 2.5 ug/Plate 2-Aminoanthracene

4: 5.0 ug/Plate Sodium Azide

5: 2.5 ug/Plate 4-Nitro-O-Phenylenediamine

**** END OF REPORT ****