

Experiment Number: 288536

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: 1-Bromo-2-propanol

CAS Number: 19686-73-8

Date Report Requested: 09/11/2018

Time Report Requested: 20:42:52

NTP Study Number:

288536

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 ± 5.5	92 ± 6.2	147 ± 10.5	131 ± 14.2	124 ± 6.9
3.0					145 ± 5.2
10.0					118 ± 11.8
33.0					133 ± 4.5
100.0	127 ± 8.9	145 ± 9.3	182 ± 8.7	179 ± 6.9	140 ± 10.3
333.0	172 ± 14.8	171 ± 4.5	212 ± 7.0	247 ± 7.9	83 ± 14.0
1000.0	266 ± 9.3	312 ± 3.2	331 ± 18.2	365 ± 15.2	
3333.0	432 ± 18.1	576 ± 37.0	535 ± 31.4	692 ± 66.0	
10000.0	593 ± 39.3	889 ± 62.6	719 ± 47.5	996 ± 42.2	
Trial Summary	Positive	Positive	Positive	Positive	Negative
Positive Control ²			595 ± 37.7	580 ± 16.7	1326 ± 37.9
Positive Control ³	370 ± 15.3	326 ± 18.7			

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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	28 ± 1.9	15 ± 1.7	9 ± 1.5	16 ± 1.3	11 ± 1.7
3.0					11 ± 1.7
10.0					14 ± 3.3
33.0					14 ± 2.9
100.0	66 ± 1.8	41 ± 1.5	39 ± 2.0	51 ± 1.0	37 ± 3.2
166.0					
333.0	122 ± 2.1	97 ± 3.7	108 ± 11.7	112 ± 17.6	1 ± 0.3
1000.0	258 ± 32.0	251 ± 23.1	242 ± 23.4	284 ± 23.0	
3333.0	495 ± 66.0	612 ± 20.6	501 ± 15.9	683 ± 30.1	
10000.0	752 ± 16.2	859 ± 27.5	686 ± 34.2	1056 ± 42.0	
Trial Summary	Positive	Positive	Positive	Positive	Equivocal
Positive Control ³	400 ± 3.2	298 ± 5.0			
Positive Control ⁴			240 ± 24.7	209 ± 15.3	332 ± 24.6

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Strain: TA1535

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	11 ± 0.9
3.0	15 ± 1.2
10.0	18 ± 2.4
33.0	21 ± 2.4
100.0	42 ± 4.7
166.0	55 ± 5.7
333.0	
1000.0	
3333.0	
10000.0	
Trial Summary	Positive
Positive Control ³	
Positive Control ⁴	555 ± 7.9

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Strain: TA97

Dose (ug/Plate)	Without S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	162 ± 5.0	239 ± 25.3	184 ± 13.9
3.0			197 ± 1.2
10.0			195 ± 2.7
33.0			188 ± 7.2
100.0	168 ± 4.8	238 ± 15.7	148 ± 6.4
333.0	181 ± 12.8	244 ± 13.8	Toxic
1000.0	171 ± 9.3	252 ± 30.6	
3333.0	179 ± 4.1	224 ± 12.9	
10000.0	194 ± 18.3	197 ± 30.7	
Trial Summary	Negative	Negative	Negative
Positive Control ⁴		579 ± 18.3	1630 ± 3.6
Positive Control ⁵	839 ± 219.2		

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Strain: TA98

Dose (ug/Plate)	Without S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	12 ± 1.5	32 ± 7.5	30 ± 1.3
3.0			23 ± 3.2
10.0			23 ± 2.5
33.0			21 ± 1.5
100.0	23 ± 2.7	28 ± 5.5	20 ± 2.7
333.0	19 ± 0.7	29 ± 5.5	9 ± 1.3
1000.0	16 ± 2.0	24 ± 0.3	
3333.0	25 ± 3.3	23 ± 3.2	
10000.0	21 ± 2.3	25 ± 2.4	
Trial Summary	Equivocal	Negative	Negative
Positive Control ²		324 ± 17.8	818 ± 38.2
Positive Control ⁶	596 ± 8.5		

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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 ****