

Experiment Number: 201170
Test Type: **Genetic Toxicology - Bacterial
Mutagenicity**

G06: Ames Summary Data

Test Compound: **Glycerol**
CAS Number: **56-81-5**

Date Report Requested: **09/14/2018**

Time Report Requested: **08:43:57**

NTP Study Number: 201170
Study Result: Negative

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Date Report Requested: 09/14/2018
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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	162 ± 6.0	117 ± 7.5	135 ± 10.8	117 ± 9.5	87 ± 6.4
100.0	176 ± 4.2	109 ± 4.7	123 ± 11.4	134 ± 8.3	104 ± 12.5
333.0	173 ± 8.2	113 ± 12.8	108 ± 12.0	133 ± 4.9	92 ± 7.4
1000.0	175 ± 6.4	120 ± 8.7	118 ± 1.5	124 ± 12.7	96 ± 2.9
3333.0	181 ± 8.7	108 ± 13.0	131 ± 10.2	113 ± 11.8	111 ± 10.0
10000.0	160 ± 4.3	111 ± 6.9	118 ± 10.3	136 ± 7.0	98 ± 6.0
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					2326 ± 48.0
Positive Control ³			1381 ± 25.2	1911 ± 20.7	
Positive Control ⁴	1621 ± 30.3	1562 ± 33.9			

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Strain: TA100

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	109 ± 9.9
100.0	124 ± 3.8
333.0	119 ± 9.0
1000.0	113 ± 4.8
3333.0	112 ± 5.0
10000.0	122 ± 8.4
Trial Summary	Negative
Positive Control ²	3143 ± 117.0
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	15 ± 0.0	20 ± 0.3	10 ± 2.6	10 ± 1.5	7 ± 1.7
100.0	18 ± 1.9	18 ± 1.0	11 ± 2.6	15 ± 1.3	11 ± 2.0
333.0	16 ± 1.3	19 ± 4.2	12 ± 2.3	9 ± 2.1	7 ± 1.5
1000.0	19 ± 6.7	14 ± 2.6	9 ± 1.5	12 ± 2.0	10 ± 0.7
3333.0	19 ± 1.9	16 ± 3.1	11 ± 1.5	12 ± 1.2	8 ± 1.2
10000.0	17 ± 0.9	17 ± 3.8	9 ± 0.9	11 ± 1.8	11 ± 1.5
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					149 ± 2.9
Positive Control ³			71 ± 0.7	95 ± 10.7	
Positive Control ⁴	1256 ± 33.9	1324 ± 26.6			

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Strain: TA1535

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	10 ± 2.2
100.0	11 ± 0.9
333.0	11 ± 1.8
1000.0	12 ± 1.0
3333.0	13 ± 3.0
10000.0	8 ± 1.8
Trial Summary	Negative
Positive Control ²	193 ± 7.0
Positive Control ³	
Positive Control ⁴	

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Strain: TA1537

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	9 ± 1.7	7 ± 1.2	9 ± 3.2	6 ± 0.7	8 ± 0.7
100.0	9 ± 2.0	8 ± 2.0	6 ± 1.8	8 ± 1.2	9 ± 2.9
333.0	8 ± 0.9	8 ± 1.2	7 ± 2.7	6 ± 1.7	6 ± 0.3
1000.0	7 ± 1.3	10 ± 2.2	9 ± 0.7	14 ± 0.6	6 ± 0.9
3333.0	6 ± 1.0	10 ± 2.8	6 ± 0.9	8 ± 2.5	8 ± 1.9
10000.0	9 ± 0.7	8 ± 0.3	11 ± 2.3	9 ± 1.0	8 ± 2.2
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					252 ± 15.5
Positive Control ³			115 ± 10.2	161 ± 9.5	
Positive Control ⁵	509 ± 66.5	422 ± 63.6 ^s			

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Strain: TA1537

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	11 ± 1.5
100.0	12 ± 2.6
333.0	9 ± 1.2
1000.0	10 ± 1.2
3333.0	10 ± 1.2
10000.0	9 ± 2.9
Trial Summary	Negative
Positive Control ²	306 ± 6.4
Positive Control ³	
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	28 ± 3.5	24 ± 1.2	24 ± 2.3	29 ± 3.1	28 ± 5.5
100.0	32 ± 2.0	19 ± 2.0	23 ± 3.5	25 ± 2.6	21 ± 0.7
333.0	30 ± 2.4	20 ± 1.7	27 ± 4.3	24 ± 1.7	27 ± 3.3
1000.0	35 ± 3.5	19 ± 0.7	27 ± 0.7	31 ± 2.4	27 ± 1.9
3333.0	31 ± 1.2	21 ± 0.7	28 ± 1.0	28 ± 2.7	18 ± 3.0
10000.0	36 ± 1.3	26 ± 1.8	29 ± 0.9	27 ± 1.7	26 ± 4.3
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					2011 ± 82.9
Positive Control ³			1087 ± 52.0	1451 ± 223.8	
Positive Control ⁶	1930 ± 79.9	1879 ± 75.1			

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Strain: TA98

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	27 ± 4.1
100.0	26 ± 2.5
333.0	29 ± 2.6
1000.0	25 ± 2.0
3333.0	33 ± 3.5
10000.0	23 ± 2.0
Trial Summary	Negative
Positive Control ²	2882 ± 184.3
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: 80.0 ug/Plate 9-Aminoacridine

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

s: Slight Toxicity

**** END OF REPORT ****