

Experiment Number: 111492
Test Type: **Genetic Toxicology - Bacterial
Mutagenicity**

G06: Ames Summary Data
Test Compound: **Glycerol**
CAS Number: **56-81-5**

Date Report Requested: **09/11/2018**
Time Report Requested: **19:45:08**

NTP Study Number: 111492
Study Result: Equivocal

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CAS Number: **56-81-5**

Date Report Requested: **09/11/2018**

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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	90 ± 3.7	89 ± 1.0	133 ± 4.3	129 ± 2.3	106 ± 7.8
100.0	124 ± 15.8	102 ± 12.8	123 ± 10.1	142 ± 12.0	125 ± 3.5
333.0	80 ± 4.8	90 ± 10.7	126 ± 30.2	131 ± 7.2	143 ± 9.7
1000.0	80 ± 4.7	93 ± 7.2	113 ± 10.7	141 ± 15.7	118 ± 6.0
3333.0	90 ± 2.4	88 ± 5.5	137 ± 9.4	141 ± 4.0	119 ± 5.8
10000.0	83 ± 7.0	92 ± 6.4	138 ± 15.0	135 ± 2.4	146 ± 2.9
Trial Summary	Negative	Negative	Negative	Negative	Equivocal
Positive Control ²			292 ± 42.9	248 ± 23.5	565 ± 19.3
Positive Control ³	375 ± 51.7	439 ± 34.3			

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Strain: TA100

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	115 ± 4.6
100.0	160 ± 21.5
333.0	144 ± 6.7
1000.0	139 ± 5.8
3333.0	132 ± 1.5
10000.0	170 ± 6.4
Trial Summary	Equivocal
Positive Control ²	526 ± 24.1
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	9 ± 1.7	6 ± 0.9	12 ± 2.0	8 ± 1.5	10 ± 1.8
100.0	8 ± 0.3	5 ± 0.3	10 ± 1.5	7 ± 1.2	6 ± 0.7
333.0	9 ± 0.0	7 ± 2.0	13 ± 3.2	9 ± 2.2	6 ± 0.7
1000.0	10 ± 1.2	7 ± 1.2	14 ± 1.2	10 ± 1.2	12 ± 0.3
3333.0	10 ± 2.0	4 ± 1.5	13 ± 2.1	9 ± 1.7	12 ± 0.3
10000.0	7 ± 1.5	4 ± 0.9	17 ± 1.9	12 ± 1.5	5 ± 0.9
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²			116 ± 22.8	24 ± 0.7	95 ± 17.1
Positive Control ³	275 ± 44.3	182 ± 15.1			

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Strain: TA1535

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	7 ± 1.2
100.0	5 ± 0.3
333.0	5 ± 0.3
1000.0	9 ± 0.6
3333.0	9 ± 0.6
10000.0	4 ± 0.7
Trial Summary	Negative
Positive Control ²	61 ± 15.2
Positive Control ³	

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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	10 ± 0.5	6 ± 2.3	10 ± 1.2	12 ± 1.0	12 ± 2.8
100.0	7 ± 1.5	3 ± 1.8	10 ± 0.6	12 ± 0.9	13 ± 2.6
333.0	6 ± 2.0	6 ± 1.5	6 ± 1.3	7 ± 1.5	9 ± 1.5
1000.0	6 ± 1.8	5 ± 0.3	8 ± 1.5	10 ± 1.7	11 ± 1.5
3333.0	6 ± 1.2	6 ± 1.2	10 ± 3.2	8 ± 2.0	11 ± 1.7
10000.0	3 ± 1.2	7 ± 2.6	9 ± 0.9	7 ± 2.2	10 ± 0.9
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²			63 ± 11.0	108 ± 30.1	93 ± 2.3
Positive Control ⁴	125 ± 28.4	122 ± 1.5			

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Strain: TA1537

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	12 ± 0.0
100.0	10 ± 1.8
333.0	9 ± 2.0
1000.0	10 ± 2.4
3333.0	10 ± 0.3
10000.0	10 ± 0.9
Trial Summary	Negative
Positive Control ²	80 ± 11.2
Positive Control ⁴	

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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	15 ± 2.1	11 ± 2.3	19 ± 2.3	13 ± 3.0	22 ± 2.4
100.0	17 ± 1.2	11 ± 1.8	22 ± 2.0	12 ± 1.7	15 ± 1.2
333.0	17 ± 2.3	10 ± 0.9	19 ± 3.9	13 ± 0.6	18 ± 2.7
1000.0	18 ± 1.7	10 ± 1.7	16 ± 3.0	10 ± 0.7	21 ± 5.2
3333.0	17 ± 1.8	11 ± 0.7	24 ± 1.2	13 ± 1.7	22 ± 3.0
10000.0	18 ± 3.2	9 ± 1.5	24 ± 4.5	11 ± 2.5	23 ± 2.6
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²			145 ± 2.7	147 ± 5.5	478 ± 15.3
Positive Control ⁵	271 ± 18.4	258 ± 8.1			

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Strain: TA98

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	18 ± 2.0
100.0	15 ± 1.5
333.0	17 ± 1.5
1000.0	14 ± 1.7
3333.0	16 ± 2.2
10000.0	18 ± 3.0
Trial Summary	Negative
Positive Control ²	426 ± 26.8
Positive Control 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: 3.3 ug/Plate Sodium Azide

4: 33.0 ug/Plate 9-Aminoacridine

5: 3.3 ug/Plate 4-Nitro-O-Phenylenediamine

**** END OF REPORT ****