

Experiment Number: 139180

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

G06: Ames Summary Data

Test Compound: **Iodinated glycerol**

CAS Number: **5634-39-9**

Date Report Requested: **09/12/2018**

Time Report Requested: **08:48:37**

NTP Study Number:

139180

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	138 ± 7.4	97 ± 3.2	160 ± 3.8	92 ± 6.6	134 ± 4.3
100.0		117 ± 3.8		141 ± 0.3	
333.0	185 ± 5.0	150 ± 8.3	187 ± 7.7	169 ± 16.2	178 ± 9.7
1000.0	288 ± 13.0	220 ± 20.7	320 ± 8.4	239 ± 16.5	254 ± 5.8
3333.0	546 ± 16.5	394 ± 20.7	565 ± 11.1	466 ± 42.2	455 ± 11.5
6666.0	708 ± 27.5		771 ± 12.8		631 ± 17.1
10000.0	833 ± 40.3	678 ± 52.8	893 ± 54.7	858 ± 48.0	695 ± 15.4
Trial Summary	Positive	Positive	Positive	Positive	Positive
Positive Control ²			943 ± 29.1	654 ± 48.4	1422 ± 62.9
Positive Control ³	348 ± 9.5	408 ± 10.8			

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Strain: TA100

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	112 ± 2.3
100.0	127 ± 13.1
333.0	178 ± 19.0
1000.0	282 ± 11.5
3333.0	484 ± 22.9
6666.0	
10000.0	823 ± 32.5
Trial Summary	Positive
Positive Control ²	1203 ± 145.6
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	19 ± 2.4	22 ± 3.1	7 ± 0.9	5 ± 0.3	8 ± 2.2
10.0		29 ± 5.8		7 ± 0.7	
33.0		36 ± 2.3		14 ± 0.9	
100.0		35 ± 2.8		21 ± 4.9	
333.0	99 ± 3.9	52 ± 5.2	96 ± 5.8	57 ± 4.0	69 ± 5.7
1000.0	230 ± 11.8	135 ± 8.3	254 ± 20.0	155 ± 17.9	176 ± 18.4
3333.0	601 ± 0.9		585 ± 17.8		450 ± 23.6
6666.0	789 ± 9.6		809 ± 18.0		607 ± 27.8
10000.0	908 ± 22.2		902 ± 21.2		711 ± 12.0
Trial Summary	Positive	Positive	Positive	Positive	Positive
Positive Control ³	407 ± 5.8	440 ± 14.2			
Positive Control ⁴			156 ± 15.8	218 ± 6.2	443 ± 9.5

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Strain: TA1535

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	6 ± 0.6
10.0	9 ± 3.2
33.0	10 ± 2.2
100.0	27 ± 1.9
333.0	65 ± 11.2
1000.0	183 ± 15.3
3333.0	
6666.0	
10000.0	
Trial Summary	Positive
Positive Control ³	
Positive Control ⁴	513 ± 19.6

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Strain: TA1537

Dose (ug/Plate)	Without S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	4 ± 0.0	8 ± 3.4	8 ± 3.2
333.0	5 ± 2.0	5 ± 0.6	6 ± 0.6
1000.0	4 ± 0.6	4 ± 0.6	6 ± 2.1
3333.0	8 ± 2.1	6 ± 1.2	7 ± 1.0
6666.0	5 ± 1.5	4 ± 0.9	5 ± 1.2
10000.0	6 ± 0.3	4 ± 0.6	5 ± 0.6
Trial Summary	Negative	Negative	Negative
Positive Control ⁴		203 ± 10.0	399 ± 21.3
Positive Control ⁵	174 ± 16.3		

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Test Compound: **Iodinated glycerol**

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Strain: TA98

Dose (ug/Plate)	Without S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	14 ± 0.3	20 ± 0.6	29 ± 1.7
333.0	16 ± 3.7	21 ± 2.9	25 ± 0.7
1000.0	16 ± 3.8	26 ± 1.3	23 ± 3.4
3333.0	15 ± 2.2	17 ± 1.2	18 ± 3.5
6666.0	18 ± 1.5	17 ± 2.1	21 ± 3.1
10000.0	16 ± 1.7	16 ± 2.6	23 ± 1.7
Trial Summary	Negative	Negative	Negative
Positive Control ²		797 ± 67.0	1266 ± 27.6
Positive Control ⁶	948 ± 37.5		

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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 ****