

Experiment Number: 152901

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

G06: Ames Summary Data

Test Compound: **Glycine**

CAS Number: **56-40-6**

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

Time Report Requested: **15:25:52**

NTP Study Number:

152901

Study Result:

Negative

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Test Compound: Glycine

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Date Report Requested: 09/12/2018

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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	118 ± 5.9	139 ± 18.0	139 ± 4.4	124 ± 3.8	129 ± 2.8
100.0	117 ± 8.1	149 ± 3.0	144 ± 10.5	119 ± 7.6	121 ± 2.2
333.0	103 ± 15.5	163 ± 18.2	145 ± 6.4	126 ± 6.7	120 ± 7.1
1000.0	117 ± 6.4	153 ± 6.7	135 ± 7.2	128 ± 3.5	136 ± 4.3
3333.0	124 ± 4.8	140 ± 6.1	162 ± 12.9	127 ± 8.5	137 ± 8.4
10000.0	133 ± 4.5	173 ± 1.2	146 ± 11.6	150 ± 7.1	137 ± 8.6
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					2912 ± 53.1
Positive Control ³			1970 ± 116.8	892 ± 13.3	
Positive Control ⁴	1394 ± 61.4	1310 ± 24.6			

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Strain: TA100

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	133 ± 4.7
100.0	85 ± 5.9
333.0	115 ± 15.8
1000.0	138 ± 2.8
3333.0	132 ± 4.7
10000.0	139 ± 4.1
Trial Summary	Negative
Positive Control ²	1731 ± 85.5
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	34 ± 3.5	21 ± 1.2	11 ± 5.2	11 ± 4.9	9 ± 1.9
100.0	21 ± 0.9	18 ± 2.6	10 ± 2.1	11 ± 0.9	10 ± 0.7
333.0	19 ± 2.8	12 ± 1.8	13 ± 2.1	13 ± 0.6	10 ± 2.7
1000.0	20 ± 2.3	13 ± 2.6	14 ± 1.0	11 ± 1.2	12 ± 1.9
3333.0	22 ± 1.8	11 ± 0.6	16 ± 4.1	9 ± 1.8	10 ± 1.5
10000.0	26 ± 2.1	15 ± 2.1	10 ± 0.3	12 ± 0.7	15 ± 4.6
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					188 ± 4.2
Positive Control ³			114 ± 6.8	54 ± 3.6	
Positive Control ⁴	850 ± 19.7	983 ± 23.7			

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Strain: TA1535

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	12 ± 3.8
100.0	6 ± 1.5
333.0	10 ± 1.5
1000.0	9 ± 1.2
3333.0	8 ± 1.7
10000.0	10 ± 2.3
Trial Summary	Negative
Positive Control ²	82 ± 0.7
Positive Control ³	
Positive Control ⁴	

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Date Report Requested: 09/12/2018

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Strain: TA1537

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Rat S9
Vehicle Control ¹	8 ± 1.2	9 ± 1.2	13 ± 2.7	4 ± 0.9	4 ± 0.9
100.0	11 ± 3.3	9 ± 0.3	11 ± 0.3	13 ± 2.7	13 ± 2.7
333.0	10 ± 0.7	11 ± 2.3	18 ± 3.5	10 ± 0.3	10 ± 0.3
1000.0	9 ± 0.9	12 ± 0.3	13 ± 2.4	12 ± 2.3	12 ± 2.3
3333.0	11 ± 1.7	13 ± 1.5	15 ± 0.3	9 ± 3.0	9 ± 3.0
10000.0	13 ± 2.8	19 ± 3.5	13 ± 1.5	12 ± 0.6	12 ± 0.6
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					
Positive Control ³			158 ± 2.3	163 ± 17.5	40 ± 3.1
Positive Control ⁵	425 ± 66.9	202 ± 26.3			

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Strain: TA1537

Dose (ug/Plate)	With 10% Hamster S9	With 10% Hamster S9
Vehicle Control ¹	12 ± 1.3	10 ± 1.2
100.0	11 ± 2.2	10 ± 0.3
333.0	15 ± 1.3	9 ± 0.6
1000.0	13 ± 1.5	13 ± 1.2
3333.0	17 ± 2.0	17 ± 1.2
10000.0	14 ± 0.9	9 ± 2.0
Trial Summary	Negative	Negative
Positive Control ²	324 ± 49.4	163 ± 17.5
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	19 ± 0.3	24 ± 3.0	32 ± 0.3	25 ± 4.3	33 ± 3.2
100.0	25 ± 1.8	30 ± 8.2	30 ± 2.9	26 ± 1.5	39 ± 5.0
333.0	21 ± 1.5	27 ± 1.7	34 ± 0.9	21 ± 2.1	41 ± 2.4
1000.0	21 ± 0.6	30 ± 4.1	34 ± 0.0	30 ± 1.5	34 ± 3.2
3333.0	26 ± 3.6	28 ± 3.2	28 ± 4.4	23 ± 1.7	28 ± 0.9
10000.0	25 ± 1.2	36 ± 3.8	27 ± 2.1	20 ± 1.5	31 ± 3.5
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					2609 ± 36.7
Positive Control ³			1754 ± 85.7	1064 ± 31.3	
Positive Control ⁶	1808 ± 33.4	1096 ± 35.9			

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Strain: TA98

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	26 ± 3.2
100.0	30 ± 0.7
333.0	24 ± 3.0
1000.0	34 ± 1.0
3333.0	30 ± 2.9
10000.0	28 ± 3.3
Trial Summary	Negative
Positive Control ²	1515 ± 72.9
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

**** END OF REPORT ****