

Experiment Number: 709932

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: **13:30:51**

NTP Study Number:

709932

Study Result:

Negative

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G06: Ames Summary Data

Test Compound: Glycine
CAS Number: 56-40-6

Date Report Requested: 09/12/2018

Time Report Requested: 13:30:51

Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	129 ± 4.1	183 ± 15.2	176 ± 5.5	217 ± 6.3	170 ± 13.5
10.0	132 ± 5.8	184 ± 11.2	166 ± 14.2	239 ± 17.4	171 ± 1.3
33.0	129 ± 4.8	173 ± 14.4	187 ± 8.1	237 ± 24.5	173 ± 4.3
100.0	140 ± 4.6	171 ± 18.5	182 ± 12.2	235 ± 18.4	177 ± 8.4
333.0	150 ± 5.0	170 ± 12.2	170 ± 0.9	224 ± 6.7	177 ± 7.4
1000.0	129 ± 5.3	183 ± 22.0	181 ± 11.0	174 ± 12.1	169 ± 5.0
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²			488 ± 16.7	730 ± 42.6	770 ± 78.0
Positive Control ³	425 ± 14.2	462 ± 28.0			

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Strain: TA100

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	237 ± 15.6
10.0	250 ± 24.9
33.0	257 ± 19.7
100.0	241 ± 25.2
333.0	277 ± 26.8
1000.0	253 ± 25.4
Trial Summary	Negative
Positive Control ²	1411 ± 102.5
Positive Control ³	

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Mutagenicity**G06: Ames Summary Data**

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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	5 ± 1.5	5 ± 0.3	10 ± 2.0	6 ± 1.9	11 ± 1.0
10.0	8 ± 0.9	6 ± 1.9	8 ± 1.5	9 ± 0.7	9 ± 2.5
33.0	8 ± 0.9	6 ± 1.5	8 ± 2.2	11 ± 1.7	9 ± 1.5
100.0	7 ± 1.2	4 ± 1.5	9 ± 1.5	9 ± 0.9	10 ± 3.1
333.0	9 ± 2.1	6 ± 1.7	8 ± 1.2	7 ± 1.3	4 ± 1.2
1000.0	6 ± 1.5	6 ± 0.3	10 ± 0.6	11 ± 1.2	9 ± 1.5
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²			66 ± 7.4	41 ± 10.4	60 ± 6.4
Positive Control ³	303 ± 34.5	204 ± 66.8			

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Test Compound: Glycine
CAS Number: 56-40-6

Date Report Requested: 09/12/2018
Time Report Requested: 13:30:51

Strain: TA1535

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	7 ± 2.1
10.0	9 ± 2.0
33.0	9 ± 2.6
100.0	10 ± 0.3
333.0	4 ± 0.3
1000.0	9 ± 1.5
Trial Summary	Negative
Positive Control ²	78 ± 14.3
Positive Control ³	

Experiment Number: 709932

G06: Ames Summary Data

Date Report Requested: 09/12/2018

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

Time Report Requested: 13:30:51

CAS Number: 56-40-6

Strain: TA1537

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Hamster S9	With 10% Hamster S9
Vehicle Control ¹	3 ± 0.3	4 ± 0.9	6 ± 0.3	8 ± 2.2	7 ± 1.0
10.0	3 ± 1.0	3 ± 0.9	8 ± 0.9	10 ± 0.9	7 ± 1.8
33.0	5 ± 1.8	4 ± 1.2	6 ± 0.7	8 ± 0.7	7 ± 1.0
100.0	4 ± 0.7	4 ± 0.9	9 ± 0.9	6 ± 1.0	5 ± 0.6
333.0	3 ± 1.2	3 ± 0.3	5 ± 0.3	8 ± 2.0	6 ± 0.9
1000.0	6 ± 0.9	6 ± 0.9	7 ± 1.2	5 ± 1.2	8 ± 1.5
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²			28 ± 7.8	22 ± 3.0	
Positive Control ⁴					105 ± 22.4
Positive Control ⁵	39 ± 2.9	51 ± 15.4			

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Test Compound: Glycine

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Date Report Requested: 09/12/2018

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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	16 ± 0.9	13 ± 1.8	22 ± 1.5	17 ± 3.2	20 ± 1.5
10.0	18 ± 0.7	15 ± 1.8	26 ± 2.6	12 ± 0.7	18 ± 3.1
33.0	13 ± 1.3	12 ± 1.0	27 ± 2.9	18 ± 1.5	22 ± 3.1
100.0	12 ± 2.7	11 ± 0.7	18 ± 1.2	15 ± 1.7	24 ± 2.7
333.0	15 ± 2.4	13 ± 2.2	17 ± 1.5	18 ± 1.2	18 ± 2.2
1000.0	16 ± 2.6	13 ± 1.8	21 ± 1.8	19 ± 3.8	21 ± 2.6
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²			186 ± 15.3	246 ± 29.8	293 ± 10.1
Positive Control ⁶	214 ± 6.6	175 ± 20.0			

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Strain: TA98

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	18 ± 1.7
10.0	17 ± 0.7
33.0	20 ± 2.0
100.0	13 ± 0.3
333.0	15 ± 1.7
1000.0	15 ± 3.0
Trial Summary	Negative
Positive Control ²	372 ± 55.0
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: 1.0 ug/Plate 2-Aminoanthracene

3: 3.3 ug/Plate Sodium Azide

4: 10.0 ug/Plate 2-Aminoanthracene

5: 33.0 ug/Plate 9-Aminoacridine

6: 3.3 ug/Plate 4-Nitro-O-Phenylenediamine

**** END OF REPORT ****