

Experiment Number: 744039

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: L-Taurine

CAS Number: 107-35-7

Date Report Requested: 09/17/2018

Time Report Requested: 09:52:30

NTP Study Number:

744039

Study Result:

Negative

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Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control ¹	125 ± 7.3	131 ± 10.5	132 ± 18.1	130 ± 2.2	117 ± 7.2
100.0	130 ± 9.0	124 ± 6.1	154 ± 13.0	133 ± 5.1	143 ± 8.5
333.0	125 ± 5.2	130 ± 3.2	136 ± 5.2	141 ± 5.5	124 ± 6.0
1000.0	131 ± 4.6	128 ± 5.6	147 ± 4.2	130 ± 11.1	129 ± 12.6
3333.0	133 ± 5.2	116 ± 9.7	139 ± 18.1	140 ± 5.8	126 ± 10.5
10000.0	138 ± 4.9	110 ± 10.4	127 ± 6.9	142 ± 15.8	131 ± 5.6
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²	270 ± 25.4	457 ± 18.9			
Positive Control ³			890 ± 36.9	686 ± 74.1	1251 ± 85.5

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Strain: TA100

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	106 ± 4.0
100.0	123 ± 7.6
333.0	141 ± 15.6
1000.0	121 ± 4.4
3333.0	122 ± 3.2
10000.0	128 ± 7.5
Trial Summary	Negative
Positive Control ²	
Positive Control ³	1741 ± 65.4

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Strain: TA1535

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control ¹	20 ± 3.1	30 ± 5.6	7 ± 0.0	15 ± 0.9	8 ± 3.0
100.0	21 ± 4.0	29 ± 4.3	7 ± 0.6	11 ± 2.7	7 ± 0.7
333.0	24 ± 3.7	31 ± 3.0	9 ± 2.7	12 ± 2.7	5 ± 0.9
1000.0	21 ± 3.4	23 ± 1.7	8 ± 0.3	11 ± 2.4	6 ± 1.3
3333.0	16 ± 0.9	32 ± 1.3	9 ± 2.0	12 ± 2.6	9 ± 2.6
10000.0	22 ± 3.3	33 ± 3.3	9 ± 2.2	10 ± 3.3	5 ± 2.0
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²	128 ± 5.9	505 ± 21.2			
Positive Control ⁴			256 ± 15.9	133 ± 9.6	387 ± 7.3

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Strain: TA1535

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	9 ± 2.0
100.0	7 ± 1.2
333.0	11 ± 4.3
1000.0	7 ± 0.7
3333.0	7 ± 0.6
10000.0	7 ± 0.9
Trial Summary	Negative
Positive Control ²	
Positive Control ⁴	363 ± 10.7

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Strain: TA97

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control ¹	163 ± 12.7	120 ± 8.6	205 ± 4.9	189 ± 11.1	189 ± 10.0
100.0	172 ± 11.8	118 ± 3.2	189 ± 18.3	195 ± 9.8	202 ± 11.4
333.0	162 ± 6.2	135 ± 6.1	185 ± 9.6	184 ± 12.6	211 ± 17.1
1000.0	146 ± 5.2	129 ± 1.9	191 ± 6.7	198 ± 9.7	224 ± 18.5
3333.0	149 ± 3.5	130 ± 4.7	191 ± 19.0	169 ± 20.7	226 ± 10.3
10000.0	155 ± 3.8	126 ± 8.5	205 ± 9.2	189 ± 5.8	208 ± 0.7
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ⁴			930 ± 4.9	512 ± 7.6	1151 ± 32.7
Positive Control ⁵	381 ± 22.5	1074 ± 5.4			

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Strain: TA97

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	168 ± 11.6
100.0	163 ± 16.5
333.0	165 ± 13.3
1000.0	166 ± 7.4
3333.0	176 ± 5.6
10000.0	172 ± 3.6
Trial Summary	Negative
Positive Control ⁴	904 ± 28.4
Positive Control ⁵	

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Strain: TA98

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control ¹	16 ± 1.9	18 ± 2.7	25 ± 3.3	38 ± 0.7	26 ± 2.4
100.0	12 ± 2.1	16 ± 0.6	19 ± 6.4	27 ± 3.1	27 ± 1.2
333.0	10 ± 3.1	17 ± 6.1	23 ± 4.5	26 ± 3.3	27 ± 4.1
1000.0	13 ± 4.4	14 ± 0.3	30 ± 0.6	35 ± 3.0	19 ± 0.9
3333.0	12 ± 2.7	14 ± 3.2	20 ± 0.3	28 ± 4.4	21 ± 2.0
10000.0	10 ± 2.4	16 ± 0.7	22 ± 3.4	33 ± 2.9	23 ± 3.9
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ³			718 ± 74.8	355 ± 21.6	1029 ± 13.6
Positive Control ⁶	545 ± 27.6	707 ± 8.4			

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Strain: TA98

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	25 ± 1.9
100.0	20 ± 3.4
333.0	26 ± 1.2
1000.0	18 ± 4.0
3333.0	23 ± 5.2
10000.0	20 ± 4.0
Trial Summary	Negative
Positive Control ³	1465 ± 31.8
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: Dimethyl Sulfoxide

2: 1.0 ug/Plate Sodium Azide

3: 1.0 ug/Plate 2-Aminoanthracene

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 ****