

Experiment Number: 545997

Test Type: Genetic Toxicology - Bacterial  
Mutagenicity

**G06: Ames Summary Data**

Test Compound: Triethanolamine stearate

CAS Number: 4568-28-9

Date Report Requested: 09/13/2018

Time Report Requested: 17:15:41

**NTP Study Number:**

545997

**Study Result:**

Negative

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## Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9
Vehicle Control <sup>1</sup>	113 ± 7.7	93 ± 3.3	156 ± 12.4	147 ± 5.4	130 ± 8.7
100.0	106 ± 5.2	77 ± 5.9	132 ± 14.1	149 ± 6.5	110 ± 4.4
333.0	123 ± 5.2	76 ± 2.5	153 ± 4.6	149 ± 5.5	112 ± 2.2
1000.0	113 ± 7.5 <sup>P</sup>	74 ± 1.8 <sup>P</sup>	160 ± 13.7	149 ± 11.3 <sup>P</sup>	122 ± 15.8 <sup>P</sup>
3333.0	252 ± 7.9 <sup>P</sup>	79 ± 7.0 <sup>P</sup>	153 ± 4.7	242 ± 23.2 <sup>P</sup>	136 ± 8.4 <sup>P</sup>
10000.0	104 ± 4.4 <sup>P</sup>	69 ± 2.0 <sup>P</sup>	122 ± 6.4 <sup>P</sup>	131 ± 22.2 <sup>P</sup>	128 ± 0.3 <sup>P</sup>
Trial Summary	Equivocal	Negative	Negative	Equivocal	Negative
Positive Control <sup>2</sup>				2501 ± 325.6	2344 ± 86.6
Positive Control <sup>3</sup>	1199 ± 148.3	1464 ± 57.0	1305 ± 23.3		

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## Strain: TA100

Dose (ug/Plate)	With 10% Rat S9	With 10% Hamster S9	With 10% Hamster S9	With 10% Hamster S9
Vehicle Control <sup>1</sup>	236 ± 9.6	122 ± 6.4	120 ± 6.0	221 ± 14.8
100.0	184 ± 13.9	126 ± 9.2	113 ± 1.2	190 ± 5.8
333.0	211 ± 5.2	160 ± 10.3	94 ± 4.7	206 ± 7.8
1000.0	221 ± 8.3	165 ± 4.0 <sup>P</sup>	105 ± 12.7 <sup>P</sup>	204 ± 9.2
3333.0	219 ± 9.8	254 ± 19.5 <sup>P</sup>	109 ± 10.9 <sup>P</sup>	217 ± 12.9
10000.0	204 ± 16.4 <sup>P</sup>	132 ± 5.2 <sup>P</sup>	116 ± 10.2 <sup>P</sup>	158 ± 10.3 <sup>P</sup>
Trial Summary	Negative	Equivocal	Negative	Negative
Positive Control <sup>2</sup>	2073 ± 71.3	2564 ± 209.5	1963 ± 321.6	1014 ± 68.0
Positive Control <sup>3</sup>				

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## Strain: TA1535

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Rat S9
Vehicle Control <sup>1</sup>	14 ± 0.9	6 ± 0.9	16 ± 1.7	4 ± 0.6	12 ± 3.2
100.0	9 ± 3.5	5 ± 1.7	12 ± 1.3	6 ± 1.0	8 ± 1.2
333.0	18 ± 1.2	4 ± 1.5	21 ± 4.4	10 ± 0.6	12 ± 1.2
1000.0	11 ± 2.3 <sup>P</sup>	4 ± 0.7 <sup>P</sup>	16 ± 0.9	5 ± 0.3 <sup>P</sup>	11 ± 1.5
3333.0	11 ± 1.5 <sup>P</sup>	3 ± 1.5 <sup>P</sup>	10 ± 0.9	4 ± 0.9 <sup>P</sup>	11 ± 2.3 <sup>P</sup>
10000.0	14 ± 3.9 <sup>P</sup>	1 ± 0.7 <sup>P</sup>	9 ± 1.0	7 ± 0.6 <sup>P</sup>	11 ± 1.2 <sup>P</sup>
Trial Summary	Negative	Negative	Negative	Equivocal	Negative
Positive Control <sup>4</sup>			281 ± 31.3	117 ± 11.6	447 ± 23.4
Positive Control <sup>3</sup>	1009 ± 110.0	281 ± 27.9			

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Strain: TA1535

Dose (ug/Plate)	With 10% Hamster S9	With 10% Hamster S9	With 10% Hamster S9
Vehicle Control <sup>1</sup>	13 ± 2.2	3 ± 0.3	10 ± 3.2
100.0	13 ± 3.8	7 ± 0.9	8 ± 0.9
333.0	16 ± 3.2	8 ± 2.4	9 ± 1.2
1000.0	13 ± 1.8	5 ± 0.9 <sup>P</sup>	11 ± 1.5
3333.0	9 ± 1.2	2 ± 1.0 <sup>P</sup>	8 ± 1.8 <sup>P</sup>
10000.0	6 ± 0.9	2 ± 0.9 <sup>P</sup>	7 ± 0.7 <sup>P</sup>
Trial Summary	Negative	Negative	Negative
Positive Control <sup>4</sup>	214 ± 41.5	184 ± 8.1	367 ± 45.1
Positive Control <sup>3</sup>			

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## Strain: TA1537

Dose (ug/Plate)	Without S9	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9
Vehicle Control <sup>1</sup>	12 ± 0.6	4 ± 1.3	8 ± 1.2	9 ± 2.7	5 ± 1.2
33.0		5 ± 1.2	5 ± 2.8		
100.0	10 ± 3.8	6 ± 1.2	6 ± 0.9	15 ± 1.9	5 ± 0.3
333.0	7 ± 1.2	6 ± 0.3	3 ± 0.9	16 ± 0.9	8 ± 1.9
1000.0	7 ± 0.9 <sup>P</sup>	2 ± 0.9 <sup>P</sup>	2 ± 0.7	13 ± 1.8 <sup>P</sup>	4 ± 1.2 <sup>P</sup>
3333.0	Toxic	3 ± 1.5 <sup>P</sup>	3 ± 1.2 <sup>P</sup>	8 ± 1.2 <sup>P</sup>	4 ± 1.5 <sup>P</sup>
10000.0	Toxic			Toxic	4 ± 0.9 <sup>P</sup>
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>4</sup>				48 ± 7.1	241 ± 27.5
Positive Control <sup>5</sup>	1017 ± 184.1	291 ± 11.5	424 ± 142.7		

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**Strain: TA1537**

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<b>Dose (ug/Plate)</b>	<b>With 10% Hamster S9</b>	<b>With 10% Hamster S9</b>
Vehicle Control <sup>1</sup>	15 ± 2.3	8 ± 2.2
33.0		
100.0	12 ± 3.7	8 ± 0.7
333.0	19 ± 2.3	10 ± 0.7
1000.0	13 ± 1.7 <sup>P</sup>	3 ± 1.5 <sup>P</sup>
3333.0	14 ± 1.2 <sup>P</sup>	5 ± 0.3 <sup>P</sup>
10000.0	Toxic	0 ± 0.3 <sup>P</sup>
Trial Summary	Negative	Negative
Positive Control <sup>4</sup>	123 ± 5.0	195 ± 38.7
Positive Control <sup>5</sup>		

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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 <sup>1</sup>	24 ± 3.8	12 ± 3.3	38 ± 5.0	19 ± 3.0	38 ± 2.0
100.0	26 ± 2.7	14 ± 1.5	26 ± 6.4	13 ± 2.9	33 ± 6.7
333.0	34 ± 2.4	12 ± 0.3	37 ± 0.9	20 ± 3.6	38 ± 0.9
1000.0	28 ± 3.5 <sup>P</sup>	11 ± 2.9 <sup>P</sup>	33 ± 3.2 <sup>P</sup>	17 ± 1.2 <sup>P</sup>	38 ± 5.8 <sup>P</sup>
3333.0	36 ± 4.7 <sup>P</sup>	12 ± 4.1 <sup>P</sup>	34 ± 1.3 <sup>P</sup>	13 ± 2.4 <sup>P</sup>	20 ± 2.2 <sup>P</sup>
10000.0	20 ± 0.6 <sup>P</sup>	11 ± 2.9 <sup>P</sup>	34 ± 4.1 <sup>P</sup>	8 ± 0.9 <sup>P</sup>	24 ± 6.2 <sup>P</sup>
Trial Summary	Equivocal	Negative	Negative	Negative	Negative
Positive Control <sup>2</sup>			1439 ± 93.5	613 ± 187.6	998 ± 146.5
Positive Control <sup>6</sup>	309 ± 5.5	187 ± 33.6			



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<b>Dose (ug/Plate)</b>	<b>With 10% Hamster S9</b>
Vehicle Control <sup>1</sup>	16 ± 1.8
100.0	14 ± 1.2
333.0	19 ± 2.7
1000.0	14 ± 4.0 <sup>P</sup>
3333.0	14 ± 2.3 <sup>P</sup>
10000.0	11 ± 3.0 <sup>P</sup>
Trial Summary	Negative
Positive Control <sup>2</sup>	1113 ± 43.6
Positive Control <sup>6</sup>	

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**LEGEND**

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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 2-Aminoanthracene

3: 3.3 ug/Plate Sodium Azide

4: 2.0 ug/Plate 2-Aminoanthracene

5: 33.0 ug/Plate 9-Aminoacridine

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

p: Precipitate

**\*\* END OF REPORT \*\***