

Experiment Number: 797607

Test Type: Genetic Toxicology - Bacterial  
Mutagenicity

**G06: Ames Summary Data**

Test Compound: 1,1,1-Trichloroethane

CAS Number: 71-55-6

Date Report Requested: 09/18/2018

Time Report Requested: 06:49:28

**NTP Study Number:**

797607

**Study Result:**

Negative

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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 <sup>1</sup>	130 ± 3.1	108 ± 7.4	105 ± 5.3	108 ± 7.4	126 ± 2.5
33.0	132 ± 10.5	157 ± 8.9	127 ± 9.2	144 ± 7.1	136 ± 8.2
100.0	124 ± 6.4	152 ± 5.7	123 ± 2.6	133 ± 8.5	124 ± 3.8
333.0	123 ± 1.7	126 ± 12.1	128 ± 8.1	133 ± 3.5	135 ± 3.8
1000.0	123 ± 3.0	123 ± 8.2	122 ± 2.6	87 ± 4.3	122 ± 6.1
3333.0	121 ± 8.7	27 ± 17.0 <sup>s</sup>	119 ± 3.8	81 ± 12.2	121 ± 14.4
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>2</sup>			423 ± 3.6	261 ± 15.6	1088 ± 9.3
Positive Control <sup>3</sup>	641 ± 13.0	261 ± 15.6			

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**Strain: TA100**

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<b>Dose (ug/Plate)</b>	<b>With 10% Hamster S9</b>
Vehicle Control <sup>1</sup>	144 ± 9.6
33.0	149 ± 6.3
100.0	148 ± 3.0
333.0	127 ± 13.5
1000.0	110 ± 7.8
3333.0	61 ± 28.3 <sup>s</sup>
Trial Summary	Negative
Positive Control <sup>2</sup>	681 ± 11.1
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% Hamster S9
Vehicle Control <sup>1</sup>	32 ± 3.6	10 ± 2.7	11 ± 3.1	28 ± 2.3	10 ± 1.2
33.0	29 ± 1.8	17 ± 3.8	10 ± 2.1	8 ± 4.0	17 ± 4.6
100.0	32 ± 2.1	12 ± 2.7	8 ± 2.3	9 ± 1.9	10 ± 1.8
333.0	33 ± 2.1	9 ± 2.6	9 ± 2.0	7 ± 0.3	12 ± 2.9
1000.0	23 ± 3.3	2 ± 0.7	9 ± 0.0	3 ± 0.6 <sup>s</sup>	9 ± 2.0
3333.0	19 ± 1.5	Toxic	7 ± 2.3	4 ± 0.9 <sup>s</sup>	5 ± 0.7 <sup>s</sup>
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>3</sup>	564 ± 14.2	278 ± 3.5			
Positive Control <sup>4</sup>			157 ± 15.9	161 ± 4.6	477 ± 5.5

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**Strain: TA1535**

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<b>Dose (ug/Plate)</b>	<b>With 10% Hamster S9</b>
Vehicle Control <sup>1</sup>	21 ± 9.1
33.0	9 ± 1.7
100.0	7 ± 2.9
333.0	6 ± 0.3
1000.0	4 ± 1.5
3333.0	2 ± 1.2
Trial Summary	Negative
Positive Control <sup>3</sup>	
Positive Control <sup>4</sup>	356 ± 7.7

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## Strain: TA1537

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control <sup>1</sup>	6 ± 1.7	6 ± 0.7	8 ± 2.0	7 ± 2.9	12 ± 2.6
33.0	7 ± 1.5	7 ± 1.2	5 ± 0.7	9 ± 2.0	8 ± 0.7
100.0	9 ± 3.0	8 ± 2.7	6 ± 1.5	9 ± 1.7	6 ± 0.9
333.0	7 ± 1.2	5 ± 1.8	7 ± 0.3	8 ± 1.9	5 ± 1.5
1000.0	4 ± 1.5	4 ± 0.6	9 ± 0.3	4 ± 1.9	6 ± 1.2 <sup>s</sup>
3333.0	5 ± 0.9	Toxic	8 ± 2.7	4 ± 1.3	5 ± 1.0 <sup>s</sup>
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>4</sup>			98 ± 9.0	134 ± 14.2	341 ± 21.2
Positive Control <sup>5</sup>	126 ± 10.8	117 ± 11.9			

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**Strain: TA1537**

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<b>Dose (ug/Plate)</b>	<b>With 10% Hamster S9</b>
Vehicle Control <sup>1</sup>	12 ± 2.3
33.0	7 ± 1.2
100.0	6 ± 1.8
333.0	7 ± 0.3
1000.0	7 ± 3.2
3333.0	1 ± 0.7 <sup>s</sup>
Trial Summary	Negative
Positive Control <sup>4</sup>	344 ± 12.5
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>	26 ± 0.9	14 ± 2.4	28 ± 5.2	65 ± 7.3	33 ± 3.2
33.0	25 ± 1.7	22 ± 3.3	38 ± 0.6	29 ± 6.7	30 ± 1.5
100.0	18 ± 2.3	14 ± 3.5	32 ± 3.5	25 ± 2.2	26 ± 3.0
333.0	16 ± 1.2	14 ± 1.9	30 ± 1.2	26 ± 3.8	30 ± 1.0
1000.0	13 ± 2.5	12 ± 1.5	29 ± 2.0	19 ± 3.5	20 ± 2.9 <sup>s</sup>
3333.0	14 ± 1.7 <sup>s</sup>	Toxic	27 ± 6.6	20 ± 3.5	24 ± 12.7 <sup>s</sup>
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>2</sup>			294 ± 21.5	239 ± 17.1	844 ± 41.5
Positive Control <sup>6</sup>	874 ± 21.3	821 ± 18.2			



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**Strain: TA98**

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<b>Dose (ug/Plate)</b>	<b>With 10% Hamster S9</b>
Vehicle Control <sup>1</sup>	35 ± 4.5
33.0	23 ± 3.0
100.0	21 ± 2.6
333.0	25 ± 3.8
1000.0	20 ± 4.0
3333.0	17 ± 0.6
Trial Summary	Negative
Positive Control <sup>2</sup>	551 ± 44.2
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: 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

s: Slight Toxicity

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