

Experiment Number: 188925

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

**G06: Ames Summary Data**

Test Compound: **Hexachloroethane**

CAS Number: 67-72-1

Date Report Requested: **09/14/2018**

Time Report Requested: **01:21:19**

**NTP Study Number:**

188925

**Study Result:**

Negative

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**Strain: TA100**

<b>Dose (ug/Plate)</b>	<b>Without S9</b>	<b>Without S9</b>	<b>With 10% Rat S9</b>	<b>With 10% Rat S9</b>	<b>With 10% Hamster S9</b>
Vehicle Control <sup>1</sup>	122 ± 2.3	153 ± 4.7	199 ± 13.5	170 ± 18.5	156 ± 4.5
10.0	141 ± 3.8	147 ± 9.9	194 ± 2.0	169 ± 3.5	165 ± 2.9
33.0	142 ± 1.5	143 ± 11.5	192 ± 0.6	175 ± 6.7	154 ± 3.2
100.0	131 ± 10.2	138 ± 6.9	210 ± 6.7	182 ± 9.6	170 ± 3.1
333.0	134 ± 4.0	156 ± 6.9	201 ± 11.9	190 ± 13.7	176 ± 12.2
1000.0	135 ± 11.5	146 ± 5.9	217 ± 12.1	192 ± 9.3	170 ± 9.2
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>2</sup>			572 ± 88.8	362 ± 20.0	745 ± 19.9
Positive Control <sup>3</sup>	381 ± 7.0	470 ± 16.8			

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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>	191 ± 5.6
10.0	203 ± 5.5
33.0	195 ± 7.4
100.0	215 ± 6.8
333.0	222 ± 4.4
1000.0	213 ± 3.5
Trial Summary	Negative
Positive Control <sup>2</sup>	545 ± 113.1
Positive Control <sup>3</sup>	

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**Strain: TA1535**

<b>Dose (ug/Plate)</b>	<b>Without S9</b>	<b>Without S9</b>	<b>With 10% Rat S9</b>	<b>With 10% Rat S9</b>	<b>With 10% Hamster S9</b>
Vehicle Control <sup>1</sup>	7 ± 0.5	10 ± 1.2	7 ± 1.0	11 ± 1.2	7 ± 0.0
10.0	4 ± 0.7	11 ± 2.6	5 ± 0.6	13 ± 2.5	8 ± 1.5
33.0	4 ± 0.3	11 ± 3.2	3 ± 0.9	9 ± 3.5	8 ± 1.8
100.0	4 ± 0.3	8 ± 1.2	5 ± 1.5	11 ± 1.5	9 ± 0.7
333.0	4 ± 0.9	5 ± 0.6	7 ± 1.9	13 ± 2.2	5 ± 1.2
1000.0	3 ± 0.6	7 ± 2.5	4 ± 1.9	9 ± 2.5	8 ± 1.5
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>2</sup>			61 ± 3.0	91 ± 8.1	110 ± 17.0
Positive Control <sup>3</sup>	121 ± 3.8	157 ± 6.1			

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Strain: TA1535

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Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control <sup>1</sup>	12 ± 1.9
10.0	18 ± 3.2
33.0	14 ± 3.2
100.0	16 ± 2.9
333.0	10 ± 1.9
1000.0	12 ± 2.3
Trial Summary	Negative
Positive Control <sup>2</sup>	98 ± 14.1
Positive Control <sup>3</sup>	

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Test Compound: Hexachloroethane

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**Strain: TA1537**

<b>Dose (ug/Plate)</b>	<b>Without S9</b>	<b>Without S9</b>	<b>With 10% Rat S9</b>	<b>With 10% Rat S9</b>	<b>With 10% Hamster S9</b>
Vehicle Control <sup>1</sup>	3 ± 0.0	5 ± 1.5	6 ± 0.7	7 ± 0.7	6 ± 0.6
10.0	2 ± 0.7	4 ± 0.6	6 ± 0.6	8 ± 0.7	4 ± 1.2
33.0	2 ± 1.3	5 ± 2.5	3 ± 0.6	9 ± 2.7	5 ± 1.5
100.0	2 ± 0.6	4 ± 0.7	4 ± 1.5	6 ± 1.5	5 ± 1.2
333.0	2 ± 0.3	5 ± 0.9	2 ± 0.9	6 ± 2.2	3 ± 1.5
1000.0	2 ± 1.0	5 ± 0.9	2 ± 0.3	10 ± 1.9	2 ± 1.2
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>2</sup>			20 ± 4.2	55 ± 28.3	55 ± 16.5
Positive Control <sup>4</sup>	323 ± 24.4	185 ± 52.1			

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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>	8 ± 1.2
10.0	9 ± 2.1
33.0	7 ± 0.0
100.0	6 ± 0.6
333.0	8 ± 3.4
1000.0	6 ± 2.2
Trial Summary	Negative
Positive Control <sup>2</sup>	89 ± 23.8
Positive Control <sup>4</sup>	

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**Strain: TA98**

<b>Dose (ug/Plate)</b>	<b>Without S9</b>	<b>Without S9</b>	<b>With 10% Rat S9</b>	<b>With 10% Rat S9</b>	<b>With 10% Hamster S9</b>
Vehicle Control <sup>1</sup>	20 ± 1.2	15 ± 2.3	28 ± 6.4	14 ± 0.9	24 ± 3.0
10.0	23 ± 6.4	12 ± 3.2	24 ± 2.2	13 ± 0.7	27 ± 4.7
33.0	21 ± 0.6	17 ± 1.0	23 ± 3.1	15 ± 2.5	23 ± 3.2
100.0	37 ± 5.1	12 ± 2.8	20 ± 1.5	16 ± 3.5	23 ± 1.8
333.0	29 ± 7.0	17 ± 3.2	23 ± 0.0	14 ± 1.5	30 ± 0.9
1000.0	21 ± 3.6	12 ± 2.1	19 ± 2.4	16 ± 3.8	28 ± 6.7
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>2</sup>			322 ± 22.7	339 ± 10.4	757 ± 35.8
Positive Control <sup>5</sup>	102 ± 6.7	83 ± 10.7			



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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>	15 ± 1.2
10.0	15 ± 2.0
33.0	13 ± 0.9
100.0	13 ± 0.6
333.0	11 ± 4.3
1000.0	15 ± 1.8
Trial Summary	Negative
Positive Control <sup>2</sup>	519 ± 57.2
Positive Control <sup>5</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: 33.0 ug/Plate 9-Aminoacridine

5: 3.3 ug/Plate 4-Nitro-O-Phenylenediamine

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