

Experiment Number: 752647

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

**G06: Ames Summary Data**

Test Compound: **2-Chloroethyltrimethylammonium chloride**

CAS Number: **999-81-5**

Date Report Requested: **09/17/2018**

Time Report Requested: **11:15:05**

**NTP Study Number:**

752647

**Study Result:**

Negative

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Time Report Requested: 11:15:05

CAS Number: 999-81-5

**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>	173 ± 12.1	130 ± 6.6	149 ± 9.9	165 ± 15.0	156 ± 6.2
100.0	162 ± 12.7	142 ± 7.1	152 ± 5.8	154 ± 11.5	136 ± 5.6
333.0	163 ± 4.9	133 ± 6.4	147 ± 4.9	150 ± 9.7	146 ± 6.9
1000.0	146 ± 4.8	129 ± 4.7	140 ± 10.1	159 ± 19.5	155 ± 3.3
3333.0	161 ± 6.9	138 ± 9.8	152 ± 3.5	165 ± 9.6	147 ± 7.4
10000.0	172 ± 7.0	128 ± 5.1	141 ± 9.8	166 ± 16.3	135 ± 7.6
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>2</sup>					1011 ± 11.8
Positive Control <sup>3</sup>			808 ± 13.7	1324 ± 31.8	
Positive Control <sup>4</sup>	1188 ± 36.1	1140 ± 29.0			

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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>	169 ± 6.7
100.0	164 ± 6.4
333.0	154 ± 12.0
1000.0	146 ± 8.6
3333.0	155 ± 0.7
10000.0	171 ± 14.0
Trial Summary	Negative
Positive Control <sup>2</sup>	1235 ± 61.5
Positive Control <sup>3</sup>	
Positive Control <sup>4</sup>	

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Test Type: **Genetic Toxicology - Bacterial Mutagenicity**Test Compound: **2-Chloroethyltrimethylammonium chloride**

Time Report Requested: 11:15:05

CAS Number: 999-81-5

**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>	36 ± 2.7	29 ± 2.2	18 ± 3.2	17 ± 4.8	13 ± 1.9
100.0	39 ± 3.1	29 ± 4.7	15 ± 2.1	13 ± 2.7	15 ± 2.2
333.0	38 ± 3.2	27 ± 2.0	11 ± 1.5	13 ± 1.5	13 ± 3.1
1000.0	38 ± 4.1	30 ± 0.3	18 ± 0.6	16 ± 1.2	14 ± 1.0
3333.0	35 ± 4.0	31 ± 1.2	17 ± 2.9	18 ± 0.0	14 ± 2.1
10000.0	36 ± 5.2	31 ± 1.2	8 ± 2.0	12 ± 2.2	14 ± 0.9
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>2</sup>					63 ± 8.7
Positive Control <sup>3</sup>			64 ± 3.5	76 ± 8.5	
Positive Control <sup>4</sup>	860 ± 1.9	858 ± 34.7			

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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>	16 ± 3.2
100.0	16 ± 2.0
333.0	17 ± 2.9
1000.0	15 ± 0.3
3333.0	11 ± 2.4
10000.0	14 ± 2.6
Trial Summary	Negative
Positive Control <sup>2</sup>	69 ± 2.6
Positive Control <sup>3</sup>	
Positive Control <sup>4</sup>	

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## G06: Ames Summary Data

Test Compound: 2-Chloroethyltrimethylammonium chloride  
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Date Report Requested: 09/17/2018

Time Report Requested: 11:15:05

## 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>	8 ± 2.0	6 ± 0.3	13 ± 2.6	9 ± 1.5	6 ± 0.6
100.0	5 ± 1.0	9 ± 1.2	6 ± 1.9	8 ± 2.0	9 ± 1.5
333.0	8 ± 1.0	5 ± 0.9	7 ± 1.3	7 ± 1.5	8 ± 2.2
1000.0	8 ± 2.6	8 ± 2.0	12 ± 0.9	10 ± 1.0	6 ± 1.8
3333.0	3 ± 0.3	9 ± 1.2	5 ± 1.8	9 ± 0.0	9 ± 0.3
10000.0	7 ± 0.6	5 ± 0.6	7 ± 0.9	9 ± 3.5	9 ± 1.5
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>2</sup>					70 ± 0.3
Positive Control <sup>3</sup>			69 ± 7.6	88 ± 4.4	
Positive Control <sup>5</sup>	74 ± 7.1	250 ± 82.9			

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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>	8 ± 1.8
100.0	7 ± 1.5
333.0	11 ± 2.0
1000.0	8 ± 1.9
3333.0	9 ± 2.6
10000.0	9 ± 1.5
Trial Summary	Negative
Positive Control <sup>2</sup>	74 ± 3.2
Positive Control <sup>3</sup>	
Positive Control <sup>5</sup>	

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Date Report Requested: 09/17/2018

Test Type: **Genetic Toxicology - Bacterial Mutagenicity**Test Compound: **2-Chloroethyltrimethylammonium chloride**

Time Report Requested: 11:15:05

CAS Number: 999-81-5

**Strain: TA98**

<b>Dose (ug/Plate)</b>	<b>Without S9</b>	<b>Without S9</b>	<b>Without S9</b>	<b>With 10% Rat S9</b>	<b>With 10% Rat S9</b>
Vehicle Control <sup>1</sup>	21 ± 0.7	22 ± 2.0	12 ± 1.9	29 ± 1.5	27 ± 1.2
100.0	17 ± 0.7	16 ± 1.5	14 ± 3.5	32 ± 5.7	31 ± 2.3
333.0	18 ± 1.0	20 ± 2.6	14 ± 1.2	26 ± 0.3	31 ± 3.4
1000.0	20 ± 4.3	16 ± 0.3	15 ± 3.3	30 ± 5.7	27 ± 2.4
3333.0	17 ± 3.3	17 ± 2.9	16 ± 0.9	30 ± 1.3	29 ± 3.5
10000.0	19 ± 1.2	16 ± 2.9	16 ± 3.2	31 ± 0.3	33 ± 3.8
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>2</sup>					
Positive Control <sup>3</sup>				359 ± 24.6	1051 ± 2.6
Positive Control <sup>6</sup>	1017 ± 71.6	1288 ± 28.9	1354 ± 38.5		



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Mutagenicity**Test Compound: **2-Chloroethyltrimethylammonium chloride**

Time Report Requested: 11:15:05

CAS Number: 999-81-5

**Strain: TA98**

<b>Dose (ug/Plate)</b>	<b>With 10% Rat S9</b>	<b>With 10% Hamster S9</b>	<b>With 10% Hamster S9</b>	<b>With 10% Hamster S9</b>
Vehicle Control <sup>1</sup>	31 ± 5.0	32 ± 3.5	29 ± 4.0	34 ± 7.5
100.0	30 ± 1.3	31 ± 3.2	36 ± 1.7	34 ± 1.3
333.0	26 ± 1.5	32 ± 3.5	32 ± 2.0	29 ± 1.8
1000.0	24 ± 2.1	32 ± 3.7	30 ± 0.7	32 ± 3.2
3333.0	28 ± 5.5	31 ± 0.7	35 ± 1.5	26 ± 3.4
10000.0	29 ± 3.5	34 ± 2.1	24 ± 1.5	31 ± 2.9
Trial Summary	Negative	Negative	Negative	Negative
Positive Control <sup>2</sup>		888 ± 35.8	1065 ± 25.7	1252 ± 32.8
Positive Control <sup>3</sup>	1167 ± 55.2			
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: Water

2: 0.75 ug/Plate 2-Aminoanthracene

3: 1.5 ug/Plate 2-Aminoanthracene

4: 2.5 ug/Plate Sodium Azide

5: 80.0 ug/Plate 9-Aminoacridine

6: 12.0 ug/Plate 4-Nitro-O-Phenylenediamine

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