

Experiment Number: 698498

Test Type: Genetic Toxicology - Bacterial  
Mutagenicity

**G06: Ames Summary Data**

Test Compound: 2-Chloroethyltrimethylammonium chloride

CAS Number: 999-81-5

Date Report Requested: 09/11/2018

Time Report Requested: 18:29:29

**NTP Study Number:**

698498

**Study Result:**

Negative

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Test Type: Genetic Toxicology - Bacterial  
MutagenicityTest Compound: 2-Chloroethyltrimethylammonium chloride  
CAS Number: 999-81-5

Time Report Requested: 18:29:29

## 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>	161 ± 9.0	115 ± 12.3	115 ± 1.0	131 ± 4.3	127 ± 5.7
100.0	141 ± 11.3	151 ± 11.2	131 ± 2.4	139 ± 6.2	123 ± 5.0
333.0	121 ± 9.9	147 ± 10.5	123 ± 11.6	138 ± 1.8	128 ± 11.6
1000.0	147 ± 9.9	152 ± 6.7	113 ± 13.3	164 ± 11.6	117 ± 12.8
3333.0	129 ± 9.2	153 ± 19.9	130 ± 10.4	156 ± 11.1	114 ± 4.1
10000.0	122 ± 10.7	133 ± 1.5	127 ± 15.6	151 ± 7.0	122 ± 6.9
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>2</sup>	574 ± 22.0	401 ± 11.5			
Positive Control <sup>3</sup>			1075 ± 15.5	826 ± 9.8	2319 ± 65.3

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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>	129 ± 15.8
100.0	153 ± 14.5
333.0	149 ± 11.5
1000.0	143 ± 5.5
3333.0	149 ± 6.0
10000.0	148 ± 8.1
Trial Summary	Negative
Positive Control <sup>2</sup>	
Positive Control <sup>3</sup>	1675 ± 91.8

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

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CAS Number: 999-81-5

## 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>	38 ± 7.4	24 ± 3.0	14 ± 0.3	15 ± 2.2	6 ± 1.2
100.0	30 ± 1.2	36 ± 2.8	13 ± 0.7	16 ± 1.8	14 ± 0.9
333.0	32 ± 2.5	29 ± 1.5	11 ± 3.0	15 ± 0.7	11 ± 3.3
1000.0	24 ± 3.1	35 ± 4.1	12 ± 4.0	15 ± 3.2	12 ± 2.7
3333.0	36 ± 3.5	37 ± 3.3	11 ± 2.0	13 ± 4.7	7 ± 1.2
10000.0	35 ± 2.5	34 ± 2.2	14 ± 2.7	13 ± 2.2	8 ± 2.3
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>2</sup>	490 ± 20.3	359 ± 18.6			
Positive Control <sup>4</sup>			385 ± 25.4	215 ± 8.9	626 ± 34.7

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Date Report Requested: 09/11/2018

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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>	10 ± 1.7
100.0	14 ± 1.5
333.0	9 ± 1.5
1000.0	13 ± 0.7
3333.0	10 ± 3.2
10000.0	13 ± 0.6
Trial Summary	Negative
Positive Control <sup>2</sup>	
Positive Control <sup>4</sup>	348 ± 22.4

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**G06: Ames Summary Data**

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

Time Report Requested: 18:29:29

CAS Number: 999-81-5

**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>	10 ± 2.5	8 ± 2.2	15 ± 1.2	8 ± 2.5	10 ± 1.0
100.0	8 ± 0.7	9 ± 2.0	16 ± 1.2	15 ± 0.9	8 ± 2.5
333.0	6 ± 2.8	7 ± 2.4	10 ± 1.3	11 ± 2.3	8 ± 2.8
1000.0	5 ± 1.2	8 ± 3.4	9 ± 2.2	12 ± 3.0	9 ± 1.5
3333.0	6 ± 1.5	9 ± 1.8	8 ± 2.6	13 ± 0.9	14 ± 1.5
10000.0	7 ± 1.2	5 ± 0.9	15 ± 2.8	15 ± 0.9	10 ± 1.8
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>4</sup>			317 ± 29.5	196 ± 7.9	331 ± 7.4
Positive Control <sup>5</sup>	357 ± 61.6	253 ± 19.9			

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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>	10 ± 4.4
100.0	10 ± 2.1
333.0	14 ± 2.9
1000.0	8 ± 0.3
3333.0	11 ± 1.7
10000.0	6 ± 0.7
Trial Summary	Negative
Positive Control <sup>4</sup>	528 ± 17.0
Positive Control <sup>5</sup>	

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

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CAS Number: 999-81-5

**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>	28 ± 1.5	15 ± 3.5	32 ± 5.4	30 ± 0.3	34 ± 2.5
100.0	20 ± 0.6	17 ± 3.4	43 ± 9.2	42 ± 1.3	35 ± 2.3
333.0	22 ± 1.5	22 ± 1.7	31 ± 0.9	39 ± 7.1	33 ± 1.5
1000.0	19 ± 2.6	18 ± 2.0	36 ± 1.5	37 ± 0.9	28 ± 4.4
3333.0	16 ± 1.2	19 ± 2.4	42 ± 3.5	32 ± 2.6	29 ± 1.8
10000.0	20 ± 3.8	11 ± 1.8	37 ± 3.1	39 ± 3.8	29 ± 0.9
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>3</sup>			918 ± 18.0	560 ± 32.1	2462 ± 94.3
Positive Control <sup>6</sup>	913 ± 40.5	799 ± 20.5			



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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>	33 ± 3.5
100.0	30 ± 4.2
333.0	24 ± 3.7
1000.0	32 ± 3.9
3333.0	44 ± 2.7
10000.0	35 ± 2.6
Trial Summary	Negative
Positive Control <sup>3</sup>	1326 ± 23.1
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: 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 \*\***