

Experiment Number: 723826

Test Type: Genetic Toxicology - Bacterial  
Mutagenicity

**G06: Ames Summary Data**

Test Compound: Trimethyloxonium hexachloroantimonate

CAS Number: 54075-76-2

Date Report Requested: 09/12/2018

Time Report Requested: 18:58:43

**NTP Study Number:**

723826

**Study Result:**

Equivocal

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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>	138 ± 9.3	96 ± 0.9	104 ± 8.1	95 ± 4.8	204 ± 10.3
1.0	154 ± 9.8	40 ± 5.7	90 ± 3.8		
3.3	132 ± 5.9	38 ± 3.5	108 ± 2.3		169 ± 21.3
10.0	154 ± 6.4	48 ± 3.8	115 ± 2.8	183 ± 10.7	214 ± 10.8
33.0	207 ± 16.0	40 ± 4.1	135 ± 4.6	378 ± 24.6	218 ± 10.3
100.0	233 ± 33.5	34 ± 3.1	Toxic	237 ± 11.3	198 ± 11.6
333.0				141 ± 4.7	180 ± 38.2
1000.0				65 ± 10.6	
3333.0					
Trial Summary	Weakly Positive	Negative	Negative	Positive	Negative
Positive Control <sup>2</sup>				723 ± 37.0	1286 ± 87.1
Positive Control <sup>3</sup>	729 ± 9.8	304 ± 10.7	440 ± 30.4		

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## Strain: TA100

Dose (ug/Plate)	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9	With 10% Hamster S9	With 10% Hamster S9
Vehicle Control <sup>1</sup>	103 ± 8.0	92 ± 7.1	128 ± 7.0	218 ± 7.9	100 ± 4.5
1.0					
3.3	86 ± 5.8	94 ± 1.8		198 ± 6.1	78 ± 1.5
10.0	79 ± 1.9	113 ± 5.8	369 ± 67.3	212 ± 2.3	107 ± 2.7
33.0	97 ± 4.0	147 ± 2.6	476 ± 15.0	208 ± 2.9	163 ± 3.3
100.0	46 ± 8.8	109 ± 4.3	165 ± 22.7	195 ± 16.7	Toxic
333.0	Toxic	95 ± 4.6	86 ± 16.8	207 ± 10.0	Toxic
1000.0			Toxic		
3333.0					
Trial Summary	Negative	Equivocal	Positive	Negative	Equivocal
Positive Control <sup>2</sup>	1474 ± 123.0	2162 ± 59.6	1786 ± 12.9	1208 ± 427.2	1256 ± 111.1
Positive Control <sup>3</sup>					

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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>	109 ± 7.9
1.0	
3.3	129 ± 0.9
10.0	153 ± 2.6
33.0	224 ± 2.5
100.0	145 ± 6.4
333.0	94 ± 2.7
1000.0	
3333.0	
Trial Summary	Positive
Positive Control <sup>2</sup>	2286 ± 43.9
Positive Control <sup>3</sup>	

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## Strain: TA1535

Dose (ug/Plate)	Without S9	With 10% Rat S9	With 10% Hamster S9	With 10% Hamster S9
Vehicle Control <sup>1</sup>	7 ± 0.9	8 ± 1.5	9 ± 1.7	4 ± 1.3
3.3				3 ± 0.7
10.0		10 ± 1.0	9 ± 2.1	4 ± 0.9
33.0	5 ± 1.5	8 ± 0.7	6 ± 1.5	3 ± 0.6
100.0	5 ± 0.9	3 ± 0.9	4 ± 1.5	2 ± 0.6
333.0	6 ± 1.9	6 ± 1.2	Toxic	2 ± 0.7
1000.0	6 ± 0.7	1 ± 0.9	Toxic	
3333.0	Toxic			
Trial Summary	Negative	Negative	Negative	Negative
Positive Control <sup>2</sup>		37 ± 1.5	64 ± 3.5	
Positive Control <sup>4</sup>				86 ± 7.5
Positive Control <sup>3</sup>	383 ± 23.8			

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## Strain: TA1537

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control <sup>1</sup>	4 ± 1.2	5 ± 2.7	7 ± 1.5	10 ± 1.9
3.3		3 ± 1.0		
10.0		3 ± 1.2	7 ± 1.2	8 ± 2.1
33.0	5 ± 1.7	8 ± 3.8	8 ± 1.3	7 ± 0.7
100.0	3 ± 0.0	4 ± 1.5	6 ± 2.0	3 ± 1.2
333.0	Toxic	1 ± 0.6	1 ± 0.3	2 ± 0.0
1000.0	1 ± 0.9		3 ± 0.5	Toxic
3333.0	0 ± 0.0			
Trial Summary	Negative	Negative	Negative	Negative
Positive Control <sup>2</sup>			36 ± 3.1	156 ± 18.0
Positive Control <sup>5</sup>	513 ± 101.8	271 ± 32.8		

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## Strain: TA98

Dose (ug/Plate)	Without S9	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9
Vehicle Control <sup>1</sup>	15 ± 1.2	12 ± 0.3	12 ± 3.5	22 ± 0.7	17 ± 2.8
1.0					
3.3		12 ± 2.3	8 ± 0.7		20 ± 2.4
10.0		6 ± 2.3	8 ± 1.7	37 ± 7.3	20 ± 0.3
33.0	22 ± 3.8	10 ± 1.8	8 ± 2.1	20 ± 4.6	20 ± 1.5
100.0	21 ± 2.1	11 ± 0.6	0 ± 0.3	19 ± 1.7	27 ± 2.5
333.0	14 ± 2.6	5 ± 1.7	1 ± 0.7	16 ± 3.5	17 ± 1.5
1000.0	Toxic			7 ± 3.1	
3333.0	3 ± 2.5				
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>2</sup>				473 ± 15.9	788 ± 122.9
Positive Control <sup>6</sup>	237 ± 19.3	204 ± 93.8	117 ± 9.0		

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## Strain: TA98

Dose (ug/Plate)	With 10% Rat S9	With 10% Hamster S9	With 10% Hamster S9	With 10% Hamster S9	With 10% Hamster S9
Vehicle Control <sup>1</sup>	16 ± 1.3	18 ± 0.9	21 ± 1.7	13 ± 0.9	20 ± 1.9
1.0					15 ± 0.7
3.3	17 ± 3.6		18 ± 2.9	9 ± 0.6	21 ± 0.7
10.0	16 ± 1.3	51 ± 0.3	20 ± 0.9	28 ± 5.8	29 ± 2.8
33.0	27 ± 1.2	22 ± 7.0	23 ± 1.8	39 ± 6.0	44 ± 5.4
100.0	10 ± 0.9	19 ± 2.3	19 ± 2.3	2 ± 0.3	19 ± 1.9
333.0	Toxic	13 ± 1.2	17 ± 2.8	Toxic	
1000.0		8 ± 0.5			
3333.0					
Trial Summary	Equivocal	Equivocal	Negative	Positive	Equivocal
Positive Control <sup>2</sup>	1308 ± 94.4	1475 ± 46.6	1764 ± 155.4	1835 ± 125.7	1126 ± 71.3
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

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