

Experiment Number: 933790

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

**G06: Ames Summary Data**

Test Compound: **3-Chloro-2-methylpropene**

CAS Number: **563-47-3**

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

Time Report Requested: **11:52:56**

**NTP Study Number:**

933790

**Study Result:**

Weakly Positive

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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>	135 ± 20.7	121 ± 7.0	144 ± 3.5	125 ± 11.3	130 ± 3.6
10.0		80 ± 6.2			
33.0		77 ± 3.5		111 ± 12.1	
100.0	142 ± 8.7	104 ± 13.0	210 ± 6.8	107 ± 6.0	197 ± 11.1
333.0	133 ± 11.4	99 ± 11.3	197 ± 5.7	115 ± 4.9	189 ± 3.2
1000.0	124 ± 11.7	92 ± 19.0	202 ± 3.3	132 ± 9.8	185 ± 2.7
3333.0	Toxic		268 ± 10.0	131 ± 11.1	233 ± 21.1
10000.0	0 ± 0.0		0 ± 0.0		0 ± 0.0
Trial Summary	Negative	Negative	Equivocal	Negative	Equivocal
Positive Control <sup>2</sup>			808 ± 59.0	827 ± 50.2	2474 ± 27.6
Positive Control <sup>3</sup>	650 ± 34.8	335 ± 82.4			

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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>	110 ± 10.6
10.0	
33.0	110 ± 12.5
100.0	95 ± 3.1
333.0	115 ± 12.8
1000.0	126 ± 8.9
3333.0	163 ± 2.8
10000.0	
Trial Summary	Negative
Positive Control <sup>2</sup>	1368 ± 75.0
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>	6 ± 1.0	5 ± 0.6	10 ± 1.2	11 ± 0.7	10 ± 0.9
10.0		4 ± 0.9			
33.0		4 ± 0.9		8 ± 0.9	
100.0	7 ± 0.6	4 ± 0.6	9 ± 0.3	8 ± 1.2	12 ± 1.2
333.0	3 ± 0.3	4 ± 1.2	12 ± 1.0	11 ± 0.9	12 ± 0.9
1000.0	Toxic	3 ± 0.6	Toxic	11 ± 1.5	13 ± 0.9
3333.0	Toxic		Toxic	13 ± 2.7	16 ± 1.8
10000.0	0 ± 0.0		0 ± 0.0		1 ± 0.3
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>2</sup>			29 ± 8.5	56 ± 5.6	81 ± 4.2
Positive Control <sup>3</sup>	153 ± 18.9	271 ± 16.0			

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Strain: TA1535

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Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control <sup>1</sup>	9 ± 1.0
10.0	
33.0	8 ± 2.1
100.0	9 ± 1.2
333.0	8 ± 1.7
1000.0	9 ± 1.8
3333.0	9 ± 1.7
10000.0	
Trial Summary	Negative
Positive Control <sup>2</sup>	87 ± 13.3
Positive Control <sup>3</sup>	

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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>	4 ± 1.2	4 ± 1.2	7 ± 0.7	8 ± 0.9	7 ± 1.8
10.0		4 ± 0.7			
33.0		3 ± 0.3			
100.0	7 ± 0.9	5 ± 1.7	4 ± 0.6	6 ± 0.9	5 ± 0.3
333.0	4 ± 0.3	3 ± 1.2	10 ± 2.3	10 ± 1.5	5 ± 2.2
1000.0	Toxic	4 ± 1.2	18 ± 0.9	19 ± 2.3	8 ± 1.2
3333.0	Toxic		21 ± 1.0	27 ± 1.7	8 ± 1.7
10000.0	0 ± 0.0		1 ± 0.7	3 ± 1.2	2 ± 0.3
Trial Summary	Negative	Negative	Weakly Positive	Weakly Positive	Negative
Positive Control <sup>2</sup>			40 ± 5.8	39 ± 2.6	87 ± 4.6
Positive Control <sup>4</sup>	43 ± 2.3	46 ± 6.7			

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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 ± 1.0
10.0	
33.0	
100.0	6 ± 0.6
333.0	6 ± 0.3
1000.0	7 ± 1.2
3333.0	11 ± 2.2
10000.0	1 ± 0.7
Trial Summary	Negative
Positive Control <sup>2</sup>	75 ± 8.0
Positive Control <sup>4</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>	19 ± 1.8	17 ± 1.5	23 ± 1.8	21 ± 1.5	23 ± 1.9
33.0		11 ± 0.3			
100.0	21 ± 2.1	14 ± 2.5	27 ± 2.1	18 ± 4.1	26 ± 1.7
333.0	19 ± 0.9	13 ± 2.6	22 ± 1.3	15 ± 2.6	22 ± 1.0
1000.0	8 ± 0.7	5 ± 0.9	34 ± 4.4	18 ± 6.7	25 ± 2.7
3333.0	Toxic	0 ± 0.0	31 ± 2.7	22 ± 3.3	23 ± 0.9
10000.0	0 ± 0.0		6 ± 0.6	3 ± 1.7	0 ± 0.0
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>2</sup>			466 ± 47.6	332 ± 14.8	1729 ± 65.6
Positive Control <sup>5</sup>	309 ± 16.2	137 ± 5.8			



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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>	19 ± 2.4
33.0	16 ± 2.1
100.0	15 ± 3.5
333.0	16 ± 1.5
1000.0	17 ± 2.1
3333.0	11 ± 3.8
10000.0	
Trial Summary	Negative
Positive Control <sup>2</sup>	892 ± 77.0
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: Water

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 \*\***