

Experiment Number: 154127

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

**G06: Ames Summary Data**

Test Compound: **1-Chloro-2-propanol**

CAS Number: **127-00-4**

Date Report Requested: **09/12/2018**

Time Report Requested: **20:28:54**

**NTP Study Number:**

154127

**Study Result:**

Positive

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Mutagenicity****G06: Ames Summary Data**Test Compound: **1-Chloro-2-propanol**CAS Number: **127-00-4**Date Report Requested: **09/12/2018**Time Report Requested: **20:28:54****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>	89 ± 7.3	115 ± 8.0	93 ± 2.4	93 ± 5.5	85 ± 7.3
100.0	100 ± 5.3	97 ± 4.1	94 ± 7.9	101 ± 5.1	90 ± 0.7
333.0	102 ± 4.1	113 ± 5.3	101 ± 4.0	104 ± 2.5	104 ± 6.4
1000.0	98 ± 3.2	106 ± 3.3	85 ± 1.9	122 ± 7.7	93 ± 4.3
3333.0	111 ± 3.5	141 ± 8.4	120 ± 6.2	149 ± 13.4	112 ± 4.3
6667.0			151 ± 4.7	176 ± 5.9	128 ± 5.0
10000.0	194 ± 0.7	195 ± 6.4			
Trial Summary	Equivocal	Equivocal	Equivocal	Weakly Positive	Equivocal
Positive Control <sup>2</sup>					721 ± 11.4
Positive Control <sup>3</sup>	343 ± 19.5	329 ± 7.3			
Positive Control <sup>4</sup>			452 ± 20.0	466 ± 47.8	

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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>	112 ± 14.9
100.0	94 ± 8.8
333.0	127 ± 6.4
1000.0	122 ± 2.6
3333.0	156 ± 6.1
6667.0	
10000.0	163 ± 7.6
Trial Summary	Equivocal
Positive Control <sup>2</sup>	363 ± 20.8
Positive Control <sup>3</sup>	
Positive Control <sup>4</sup>	

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Test Type: **Genetic Toxicology - Bacterial Mutagenicity****G06: Ames Summary Data**Test Compound: **1-Chloro-2-propanol**CAS Number: **127-00-4**Date Report Requested: **09/12/2018**Time Report Requested: **20:28:54****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>	18 ± 0.3	17 ± 2.2	7 ± 1.5	6 ± 0.3	13 ± 2.2
100.0	19 ± 1.9	21 ± 3.5	10 ± 1.9	10 ± 2.1	10 ± 1.2
333.0	21 ± 2.0	25 ± 3.8	10 ± 0.6	13 ± 1.5	14 ± 3.2
1000.0	29 ± 3.7	25 ± 1.3	22 ± 1.5	21 ± 1.7	22 ± 3.0
3333.0	51 ± 2.9	62 ± 3.5	50 ± 2.2	44 ± 3.5	51 ± 1.2
6667.0			83 ± 3.5	65 ± 2.1	67 ± 3.2
10000.0	92 ± 2.3	125 ± 10.8			
Trial Summary	Positive	Positive	Positive	Positive	Positive
Positive Control <sup>2</sup>					79 ± 7.0
Positive Control <sup>3</sup>	199 ± 11.4	171 ± 16.5			
Positive Control <sup>5</sup>			116 ± 8.1	124 ± 2.0	

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**G06: Ames Summary Data**

Test Compound: **1-Chloro-2-propanol**

CAS Number: **127-00-4**

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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>	9 ± 1.0
100.0	15 ± 4.0
333.0	19 ± 0.9
1000.0	23 ± 1.8
3333.0	67 ± 3.5
6667.0	110 ± 2.8
10000.0	
Trial Summary	Positive
Positive Control <sup>2</sup>	69 ± 11.8
Positive Control <sup>3</sup>	
Positive Control <sup>5</sup>	

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Test Compound: 1-Chloro-2-propanol

CAS Number: 127-00-4

Date Report Requested: 09/12/2018

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**Strain: TA97**

<b>Dose (ug/Plate)</b>	<b>Without S9</b>	<b>With 10% Rat S9</b>	<b>With 10% Hamster S9</b>
Vehicle Control <sup>1</sup>	102 ± 9.2	102 ± 7.8	135 ± 4.2
100.0	85 ± 12.1	130 ± 7.2	108 ± 8.1
333.0	71 ± 9.8	104 ± 3.5	97 ± 8.5
1000.0	76 ± 1.0	79 ± 9.2	68 ± 4.2
3333.0	81 ± 11.3	111 ± 10.0	97 ± 4.1
6667.0		104 ± 9.3	17 ± 4.3
10000.0	102 ± 0.6		
Trial Summary	Negative	Negative	Negative
Positive Control <sup>4</sup>			783 ± 65.7
Positive Control <sup>5</sup>		848 ± 48.6	
Positive Control <sup>6</sup>	276 ± 16.2		

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**Strain: TA98**

<b>Dose (ug/Plate)</b>	<b>Without S9</b>	<b>With 10% Rat S9</b>	<b>With 10% Hamster S9</b>
Vehicle Control <sup>1</sup>	18 ± 2.0	27 ± 3.2	22 ± 4.4
100.0	14 ± 4.3	21 ± 2.2	26 ± 0.6
333.0	19 ± 2.0	21 ± 3.9	28 ± 0.0
1000.0	18 ± 4.5	21 ± 0.9	17 ± 0.3
3333.0	20 ± 1.8	20 ± 4.1	17 ± 2.6
6667.0		27 ± 1.2	14 ± 1.5
10000.0	16 ± 0.9		
Trial Summary	Negative	Negative	Negative
Positive Control <sup>7</sup>			151 ± 5.9
Positive Control <sup>2</sup>		157 ± 10.1	
Positive Control <sup>8</sup>	117 ± 0.9		

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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: 0.4 ug/Plate 2-Aminoanthracene

3: 0.5 ug/Plate Sodium Azide

4: 0.75 ug/Plate 2-Aminoanthracene

5: 2.0 ug/Plate 2-Aminoanthracene

6: 3.5 ug/Plate 9-Aminoacridine

7: 0.2 ug/Plate 2-Aminoanthracene

8: 1.0 ug/Plate 4-Nitro-O-Phenylenediamine

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