

Experiment Number: 843274

Test Type: Genetic Toxicology - Bacterial  
Mutagenicity

**G06: Ames Summary Data**

Test Compound: 1,3-Dichloro-2-propanol

CAS Number: 96-23-1

Date Report Requested: 09/16/2018

Time Report Requested: 00:45:05

**NTP Study Number:**

843274

**Study Result:**

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>	90 ± 6.0	133 ± 9.1	96 ± 4.8	125 ± 4.0	96 ± 3.2
100.0	118 ± 17.0	147 ± 4.7	108 ± 2.5	139 ± 3.8	187 ± 8.1
333.0	142 ± 1.9	182 ± 7.2	160 ± 3.1	173 ± 21.5	308 ± 27.2
1000.0	257 ± 10.2	272 ± 7.5	265 ± 6.0	247 ± 20.9	799 ± 4.8
3333.0	496 ± 15.5	511 ± 15.1	485 ± 34.1	545 ± 9.4	1203 ± 40.9
6666.0	813 ± 22.1	934 ± 9.9	769 ± 10.8	852 ± 34.4	970 ± 51.2 <sup>s</sup>
Trial Summary	Positive	Positive	Positive	Positive	Positive
Positive Control <sup>2</sup>	130 ± 0.3				
Positive Control <sup>3</sup>					114 ± 4.4
Positive Control <sup>4</sup>		521 ± 10.7			
Positive Control <sup>5</sup>			921 ± 50.3	801 ± 34.9	

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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>	89 ± 1.5
100.0	177 ± 3.5
333.0	359 ± 11.8
1000.0	725 ± 13.5
3333.0	1963 ± 30.7
6666.0	2350 ± 18.5
Trial Summary	Positive
Positive Control <sup>2</sup>	
Positive Control <sup>3</sup>	446 ± 25.7
Positive Control <sup>4</sup>	
Positive Control <sup>5</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>	37 ± 3.2	27 ± 4.4	10 ± 1.9	11 ± 2.5	13 ± 2.6
100.0	53 ± 6.3	28 ± 4.2	16 ± 1.5	14 ± 1.3	39 ± 2.2
333.0	85 ± 9.6	59 ± 5.5	30 ± 3.5	23 ± 3.3	100 ± 7.8
1000.0	174 ± 3.0	195 ± 12.8	77 ± 6.4	59 ± 7.9	256 ± 12.9
3333.0	346 ± 30.7	517 ± 12.6	189 ± 8.7	236 ± 15.8	511 ± 10.4
6666.0	741 ± 51.1	828 ± 12.9	310 ± 1.9	324 ± 9.2	500 ± 34.0 <sup>s</sup>
Trial Summary	Positive	Positive	Positive	Positive	Positive
Positive Control <sup>2</sup>	37 ± 3.3				
Positive Control <sup>3</sup>					12 ± 1.8
Positive Control <sup>4</sup>		336 ± 16.2			
Positive Control <sup>6</sup>			191 ± 3.8	176 ± 13.3	

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Strain: TA1535

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Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control <sup>1</sup>	9 ± 2.9
100.0	27 ± 1.5
333.0	64 ± 2.4
1000.0	218 ± 18.9
3333.0	525 ± 12.7
6666.0	734 ± 29.6
Trial Summary	Positive
Positive Control <sup>2</sup>	
Positive Control <sup>3</sup>	43 ± 3.1
Positive Control <sup>4</sup>	
Positive Control <sup>6</sup>	

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## Strain: TA97

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control <sup>1</sup>	96 ± 8.7	132 ± 6.6	107 ± 2.8	184 ± 12.7	107 ± 3.1
100.0	96 ± 3.8	126 ± 1.5	114 ± 7.0	174 ± 9.7	146 ± 6.2
333.0	90 ± 7.6	140 ± 4.9	154 ± 4.6	183 ± 13.2	154 ± 8.5
1000.0	96 ± 5.5	138 ± 10.5	156 ± 5.2	209 ± 4.4	231 ± 6.6
3333.0	110 ± 7.8	151 ± 11.8	211 ± 3.2	227 ± 8.7	554 ± 16.7
6666.0	147 ± 2.9	148 ± 7.0	294 ± 5.5	265 ± 3.5	696 ± 27.3 <sup>s</sup>
Trial Summary	Equivocal	Negative	Positive	Equivocal	Positive
Positive Control <sup>3</sup>					138 ± 2.8
Positive Control <sup>6</sup>			1370 ± 26.8	1438 ± 46.7	
Positive Control <sup>7</sup>	1068 ± 36.4	238 ± 16.2			

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**Strain: TA97**

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<b>Dose (ug/Plate)</b>	<b>With 10% Hamster S9</b>
Vehicle Control <sup>1</sup>	150 ± 11.5
100.0	148 ± 3.1
333.0	151 ± 10.7
1000.0	259 ± 11.7
3333.0	485 ± 10.0
6666.0	749 ± 12.2
Trial Summary	Positive
Positive Control <sup>3</sup>	293 ± 10.3
Positive Control <sup>6</sup>	
Positive Control <sup>7</sup>	

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## Strain: TA98

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Hamster S9	With 10% Hamster S9
Vehicle Control <sup>1</sup>	24 ± 0.3	15 ± 0.9	26 ± 1.2	29 ± 4.7	28 ± 3.4
100.0	18 ± 1.5	17 ± 3.3	31 ± 2.1	28 ± 1.9	32 ± 3.8
333.0	22 ± 0.7	17 ± 3.8	28 ± 3.2	32 ± 3.6	31 ± 2.8
1000.0	22 ± 1.8	19 ± 4.2	40 ± 6.2	45 ± 2.8	39 ± 0.6
3333.0	24 ± 6.1	23 ± 4.0	37 ± 1.5	58 ± 3.8	59 ± 3.1
6666.0	29 ± 2.1	20 ± 1.5	49 ± 7.2	72 ± 5.2	64 ± 3.3
Trial Summary	Negative	Negative	Equivocal	Weakly Positive	Positive
Positive Control <sup>8</sup>				34 ± 4.0	143 ± 9.4
Positive Control <sup>3</sup>			247 ± 8.0		
Positive Control <sup>9</sup>	146 ± 8.5	157 ± 9.6			

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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: 0.25 ug/Plate Sodium Azide

3: 0.4 ug/Plate 2-Aminoanthracene

4: 0.5 ug/Plate Sodium Azide

5: 0.75 ug/Plate 2-Aminoanthracene

6: 2.0 ug/Plate 2-Aminoanthracene

7: 3.5 ug/Plate 9-Aminoacridine

8: 0.2 ug/Plate 2-Aminoanthracene

9: 1.0 ug/Plate 4-Nitro-O-Phenylenediamine

s: Slight Toxicity

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