

Experiment Number: 181073

Test Type: Genetic Toxicology - Bacterial  
Mutagenicity

**G06: Ames Summary Data**

Test Compound: 1,3-Dichlorobenzene

CAS Number: 541-73-1

Date Report Requested: 09/13/2018

Time Report Requested: 18:39:48

**NTP Study Number:**

181073

**Study Result:**

Negative

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## Strain: TA100

Dose (ug/Plate)	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9	With 10% Hamster S9
Vehicle Control <sup>1</sup>	146 ± 6.6	139 ± 11.6	143 ± 9.5	155 ± 6.7	159 ± 5.7
1.0	195 ± 5.7		188 ± 4.0		189 ± 5.6
3.3	182 ± 7.0		221 ± 18.9		196 ± 12.0
10.0	135 ± 3.8	163 ± 12.1	167 ± 8.7	153 ± 16.8	157 ± 4.0
33.0	104 ± 4.8	168 ± 11.9	172 ± 8.2	162 ± 7.8	166 ± 6.3
100.0	61 ± 7.4	155 ± 8.3	159 ± 7.0	147 ± 9.5	151 ± 7.0
333.0		118 ± 20.2		137 ± 1.9	
1000.0		121 ± 11.5		Toxic	
Trial Summary	Negative	Negative	Equivocal	Negative	Equivocal
Positive Control <sup>2</sup>		335 ± 22.6	416 ± 59.4	586 ± 45.5	721 ± 42.0
Positive Control <sup>3</sup>	457 ± 18.8				

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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>	4 ± 0.7	4 ± 0.6	4 ± 0.3	4 ± 0.9	5 ± 1.0
1.0		7 ± 1.2		5 ± 1.9	
3.3		4 ± 1.8		5 ± 1.0	
10.0	3 ± 0.6	5 ± 0.6	6 ± 0.9	3 ± 1.5	6 ± 1.5
33.0	3 ± 1.2	9 ± 2.0	5 ± 0.6	2 ± 0.3	5 ± 0.7
100.0	5 ± 1.9	8 ± 2.3	8 ± 2.2	4 ± 1.9	3 ± 0.9
333.0	6 ± 3.1		Toxic		0 ± 0.0
1000.0	Toxic		Toxic		Toxic
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>2</sup>			17 ± 4.6	29 ± 3.2	27 ± 10.7
Positive Control <sup>3</sup>	316 ± 60.1	342 ± 37.3			

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Strain: TA1535

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Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control <sup>1</sup>	4 ± 1.0
1.0	4 ± 1.9
3.3	4 ± 0.9
10.0	6 ± 1.5
33.0	2 ± 1.5
100.0	5 ± 1.3
333.0	
1000.0	
Trial Summary	Negative
Positive Control <sup>2</sup>	55 ± 7.8
Positive Control <sup>3</sup>	

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## G06: Ames Summary Data

Test Compound: 1,3-Dichlorobenzene

CAS Number: 541-73-1

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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>	6 ± 0.6	6 ± 0.9	5 ± 1.5	8 ± 2.2	7 ± 1.3
1.0		10 ± 0.9		9 ± 1.2	
3.3		7 ± 0.9		7 ± 0.9	
10.0	4 ± 0.7	4 ± 0.0	4 ± 2.0	7 ± 0.7	6 ± 1.5
33.0	7 ± 1.2	7 ± 0.6	9 ± 1.7	8 ± 2.8	6 ± 1.9
100.0	2 ± 1.0	5 ± 1.3	7 ± 0.3	9 ± 2.8	6 ± 0.9
333.0	4 ± 0.5		Toxic		10 ± 6.5
1000.0	Toxic		Toxic		0 ± 0.0
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>2</sup>			21 ± 4.3	22 ± 4.6	32 ± 3.9
Positive Control <sup>4</sup>	108 ± 27.4	121 ± 44.8			

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Strain: TA1537

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Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control <sup>1</sup>	9 ± 2.5
1.0	7 ± 1.2
3.3	11 ± 2.3
10.0	6 ± 1.2
33.0	5 ± 1.5
100.0	7 ± 0.7
333.0	
1000.0	
Trial Summary	Negative
Positive Control <sup>2</sup>	62 ± 7.3
Positive Control <sup>4</sup>	

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

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CAS Number: 541-73-1

**Strain: TA98**

<b>Dose (ug/Plate)</b>	<b>Without S9</b>	<b>With 10% Rat S9</b>	<b>With 10% Rat S9</b>	<b>With 10% Hamster S9</b>	<b>With 10% Hamster S9</b>
Vehicle Control <sup>1</sup>	18 ± 1.5	30 ± 1.8	21 ± 3.0	35 ± 3.5	21 ± 4.5
1.0	15 ± 1.3		23 ± 1.5		19 ± 2.4
3.3	9 ± 1.8		19 ± 1.5		19 ± 1.5
10.0	13 ± 2.6	30 ± 1.3	17 ± 1.9	38 ± 2.4	19 ± 3.0
33.0	11 ± 0.9	27 ± 5.4	15 ± 3.4	29 ± 1.5	15 ± 1.0
100.0	13 ± 3.2	25 ± 2.1	13 ± 3.6	23 ± 5.2	16 ± 1.2
333.0		8 ± 1.0		Toxic	
1000.0		Toxic		Toxic	
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>2</sup>		219 ± 37.9	161 ± 23.2	374 ± 23.5	666 ± 32.0
Positive Control <sup>5</sup>	283 ± 15.0				

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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: 33.0 ug/Plate 9-Aminoacridine

5: 3.3 ug/Plate 4-Nitro-O-Phenylenediamine

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