

Experiment Number: A13549

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

G06: Ames Summary Data

Test Compound: **1,3-Dichloropropane**

CAS Number: **142-28-9**

Date Report Requested: **09/15/2018**

Time Report Requested: **21:24:54**

NTP Study Number:

A13549

Study Result:

Positive

Experiment Number: A13549

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G06: Ames Summary Data

Test Compound: 1,3-Dichloropropane

CAS Number: 142-28-9

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Strain: TA100

Dose (ug/Plate)	Without S9	With 30% Rat S9	With 30% Hamster S9
Vehicle Control ¹	138 ± 4.2	137 ± 7.5	155 ± 14.2
33.0	140 ± 5.8	148 ± 14.6	146 ± 7.6
100.0	136 ± 10.6	139 ± 13.0	127 ± 15.0
333.0	154 ± 6.8	151 ± 13.9	136 ± 14.4
1000.0	128 ± 6.3	135 ± 9.7	144 ± 5.2
3333.0	Toxic	156 ± 8.1 ^s	143 ± 7.7 ^s
Trial Summary	Negative	Negative	Negative
Positive Control ²	288 ± 7.8		
Positive Control ³			690 ± 48.8
Positive Control ⁴		382 ± 17.5	

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Test Type: **Genetic Toxicology - Bacterial
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Test Compound: 1,3-Dichloropropane

Time Report Requested: 21:24:54

CAS Number: 142-28-9

Strain: TA1535

Dose (ug/Plate)	Without S9	With 30% Rat S9	With 30% Rat S9	With 30% Hamster S9	With 30% Hamster S9
Vehicle Control ¹	24 ± 3.1	17 ± 3.5	14 ± 2.0	17 ± 2.5	10 ± 0.3
33.0	31 ± 3.5	20 ± 3.7	12 ± 1.2	20 ± 2.6	9 ± 1.9
100.0	37 ± 3.6	39 ± 2.7	25 ± 0.6	33 ± 4.3	24 ± 3.6
333.0	38 ± 3.8	44 ± 3.5	19 ± 3.5	45 ± 2.7	39 ± 5.5
1000.0	25 ± 3.7	55 ± 2.3	32 ± 2.3	55 ± 1.2	58 ± 7.7
2000.0			44 ± 4.7		80 ± 1.9
3333.0	5 ± 1.5 ^s	9 ± 3.5 ^s		12 ± 1.5 ^s	
Trial Summary	Positive	Positive	Positive	Positive	Positive
Positive Control ²	282 ± 16.3				
Positive Control ³				240 ± 13.1	162 ± 9.3
Positive Control ⁴		154 ± 18.7	162 ± 19.1		

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Test Compound: 1,3-Dichloropropane

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Strain: TA97

Dose (ug/Plate)	Without S9	With 30% Rat S9	With 30% Hamster S9
Vehicle Control ¹	156 ± 11.2	170 ± 14.4	217 ± 4.1
33.0	151 ± 8.8	184 ± 7.4	225 ± 10.0
100.0	143 ± 15.0	187 ± 25.3	199 ± 3.5
333.0	124 ± 8.3	186 ± 10.7	219 ± 12.7
1000.0	143 ± 10.2	174 ± 2.9	189 ± 10.4
3333.0	114 ± 7.8 ^s	84 ± 36.8 ^s	60 ± 46.8 ^s
Trial Summary	Negative	Negative	Negative
Positive Control ⁴		659 ± 29.6	1018 ± 112.5
Positive Control ⁵	657 ± 16.2		

Experiment Number: A13549
Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data
Test Compound: 1,3-Dichloropropane
CAS Number: 142-28-9

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Strain: TA98

Dose (ug/Plate)	Without S9	With 30% Rat S9	With 30% Hamster S9
Vehicle Control ¹	18 ± 0.9	23 ± 2.9	20 ± 0.9
33.0	17 ± 2.3	21 ± 1.3	19 ± 2.0
100.0	13 ± 0.3	22 ± 1.2	21 ± 2.7
333.0	16 ± 0.3	21 ± 2.1	21 ± 2.2
1000.0	17 ± 1.3	23 ± 1.3	20 ± 0.7
3333.0	6 ± 1.9 ^s	10 ± 2.1 ^s	5 ± 1.8 ^s
Trial Summary	Negative	Negative	Negative
Positive Control ³		130 ± 14.4	809 ± 47.6
Positive Control ⁶	88 ± 10.6		

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

G06: Ames Summary Data

Test Compound: **1,3-Dichloropropane**

CAS Number: **142-28-9**

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LEGEND

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: 0.5 ug/Plate Sodium Azide

3: 1.0 ug/Plate 2-Aminoanthracene

4: 2.0 ug/Plate 2-Aminoanthracene

5: 24.0 ug/Plate 9-Aminoacridine

6: 1.0 ug/Plate 4-Nitro-O-Phenylenediamine

s: Slight Toxicity

**** END OF REPORT ****