

Experiment Number: A95302

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

G06: Ames Summary Data

Test Compound: 1,1-Dichloropropene

CAS Number: 563-58-6

Date Report Requested: 09/15/2018

Time Report Requested: 16:39:49

NTP Study Number:

A95302

Study Result:

Negative

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Test Compound: 1,1-Dichloropropene

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Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control ¹	143 ± 11.9	155 ± 13.7	184 ± 17.7	166 ± 2.9	171 ± 3.8
33.0		140 ± 15.3	182 ± 23.9		176 ± 5.9
100.0	156 ± 9.1	177 ± 8.8	161 ± 4.1	160 ± 5.5	163 ± 12.2
333.0	178 ± 6.2	188 ± 13.3	167 ± 3.1	186 ± 9.6	159 ± 10.5
1000.0	143 ± 18.5	160 ± 34.5	129 ± 5.8	120 ± 4.9	133 ± 3.8
3333.0	3 ± 0.3 ^s	84 ± 8.0 ^s	17 ± 14.3 ^s	2 ± 0.9 ^s	101 ± 13.9 ^s
5000.0	2 ± 0.3 ^s			2 ± 0.6 ^s	
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					963 ± 30.4
Positive Control ³	557 ± 18.4	329 ± 38.8			
Positive Control ⁴			665 ± 81.9		
Positive Control ⁵					
Positive Control ⁶				1091 ± 138.3	

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Strain: TA100

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	185 ± 9.8
33.0	
100.0	184 ± 4.2
333.0	165 ± 8.7
1000.0	117 ± 5.5
3333.0	2 ± 0.6 ^s
5000.0	1 ± 1.0 ^s
Trial Summary	Negative
Positive Control ²	
Positive Control ³	
Positive Control ⁴	
Positive Control ⁵	2115 ± 83.3
Positive Control ⁶	

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Strain: TA1535

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control ¹	19 ± 0.3	14 ± 1.7	12 ± 2.0	15 ± 1.9	14 ± 3.2
33.0		11 ± 2.2	10 ± 2.0		13 ± 2.9
100.0	23 ± 1.2	15 ± 0.6	14 ± 2.6	16 ± 1.2	12 ± 1.8
333.0	23 ± 0.9	11 ± 2.4	11 ± 2.3	15 ± 2.5	14 ± 0.7
1000.0	19 ± 2.2	14 ± 2.9	14 ± 1.8	20 ± 3.2	18 ± 3.8
3333.0	6 ± 2.8 ^s	6 ± 0.7 ^s	6 ± 3.3 ^s	14 ± 4.4 ^s	6 ± 1.5 ^s
5000.0	3 ± 0.3 ^s			10 ± 2.3 ^s	
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					84 ± 3.2
Positive Control ³	226 ± 22.0	177 ± 12.8			
Positive Control ⁵					
Positive Control ⁶			156 ± 4.5	184 ± 15.3	

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Test Compound: 1,1-Dichloropropene
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Strain: TA1535

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	19 ± 1.5
33.0	
100.0	18 ± 2.1
333.0	20 ± 3.1
1000.0	23 ± 1.9
3333.0	10 ± 3.5 ^s
5000.0	7 ± 3.4 ^s
Trial Summary	Negative
Positive Control ²	
Positive Control ³	
Positive Control ⁵	131 ± 3.8
Positive Control ⁶	

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Test Compound: 1,1-Dichloropropene

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Date Report Requested: 09/15/2018

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Strain: TA97

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control ¹	148 ± 11.0	132 ± 9.6	136 ± 4.9	186 ± 10.3	150 ± 5.5
33.0		135 ± 2.6	133 ± 9.8		149 ± 10.6
100.0	149 ± 3.5	122 ± 16.7	120 ± 3.3	166 ± 13.8	147 ± 2.6
333.0	113 ± 4.7	139 ± 5.0	135 ± 16.6	156 ± 7.0	171 ± 7.9
1000.0	142 ± 14.6	123 ± 6.2	120 ± 6.3	151 ± 5.9	151 ± 15.5
3333.0	69 ± 23.9 ^s	53 ± 27.4 ^s	64 ± 27.0 ^s	48 ± 32.5 ^s	85 ± 10.0 ^s
5000.0	85 ± 17.5 ^s			105 ± 2.7 ^s	
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ⁴					1110 ± 57.6
Positive Control ⁶			880 ± 68.1	636 ± 2.7	
Positive Control ⁷	635 ± 15.7	428 ± 38.5			

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Strain: TA97

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	147 ± 8.1
33.0	
100.0	168 ± 11.9
333.0	147 ± 2.6
1000.0	177 ± 10.7
3333.0	108 ± 30.8 ^s
5000.0	89 ± 9.7 ^s
Trial Summary	Negative
Positive Control ⁴	
Positive Control ⁶	792 ± 52.3
Positive Control ⁷	

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Strain: TA98

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control ¹	14 ± 1.7	19 ± 2.4	17 ± 1.5	17 ± 0.7	14 ± 2.4
33.0		20 ± 1.5	15 ± 1.5		14 ± 1.8
100.0	15 ± 1.8	22 ± 3.2	17 ± 1.9	20 ± 2.4	21 ± 1.9
333.0	11 ± 0.3	19 ± 3.4	19 ± 1.9	20 ± 1.5	26 ± 2.7
500.0					
1000.0	14 ± 1.5	18 ± 2.8	19 ± 5.2	16 ± 2.3	20 ± 3.8
3333.0	0 ± 0.0 ^s	2 ± 1.7 ^s	12 ± 0.7 ^s	2 ± 0.6 ^s	8 ± 3.4 ^s
5000.0	1 ± 1.0 ^s			2 ± 1.0 ^s	
Trial Summary	Negative	Negative	Negative	Negative	Equivocal
Positive Control ²			316 ± 27.2		852 ± 47.5
Positive Control ⁸	115 ± 2.0	87 ± 0.6			
Positive Control ⁵				489 ± 46.7	

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Strain: TA98

Dose (ug/Plate)	With 10% Hamster S9	With 30% Hamster S9
Vehicle Control ¹	28 ± 4.1	15 ± 2.2
33.0	27 ± 3.8	
100.0	32 ± 3.2	18 ± 2.6
333.0	23 ± 1.8	21 ± 2.7
500.0	26 ± 5.6	
1000.0	26 ± 3.5	12 ± 1.5
3333.0		2 ± 0.7 ^s
5000.0		2 ± 0.7 ^s
Trial Summary	Negative	Negative
Positive Control ²	146 ± 3.2	
Positive Control ⁸		
Positive Control ⁵		1692 ± 88.0

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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: 0.4 ug/Plate 2-Aminoanthracene
- 3: 0.5 ug/Plate Sodium Azide
- 4: 0.75 ug/Plate 2-Aminoanthracene
- 5: 1.0 ug/Plate 2-Aminoanthracene
- 6: 2.0 ug/Plate 2-Aminoanthracene
- 7: 24.0 ug/Plate 9-Aminoacridine
- 8: 1.0 ug/Plate 4-Nitro-O-Phenylenediamine
- s: Slight Toxicity

** END OF REPORT **