

Experiment Number: 147356

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: Trichlorobenzene, polymer with 1,4-dichlorobenzene & sodium sulfide

CAS Number: 72276-00-7

Date Report Requested: 09/12/2018

Time Report Requested: 14:17:44

NTP Study Number:

147356

Study Result:

Negative

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MutagenicityTest Compound: Trichlorobenzene, polymer with 1,4-dichlorobenzene & sodium sulfide
CAS Number: 72276-00-7

Time Report Requested: 14:17:44

Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control ¹	82 ± 3.5	94 ± 2.6	112 ± 4.0	114 ± 1.5	103 ± 3.5
10.0	80 ± 6.2	85 ± 6.3	100 ± 3.2	95 ± 5.0	96 ± 3.3
33.0	86 ± 1.2	100 ± 4.8	90 ± 1.8	101 ± 6.3	89 ± 1.5
100.0	86 ± 1.5 ^p	78 ± 7.3 ^p	86 ± 0.9 ^p	99 ± 5.2 ^p	87 ± 7.8 ^p
333.0	87 ± 4.2 ^p	80 ± 6.9 ^p	106 ± 5.0 ^p	101 ± 11.5 ^p	95 ± 4.9 ^p
1000.0	89 ± 4.7 ^p	83 ± 3.8 ^p	99 ± 4.4 ^p	106 ± 2.6 ^p	107 ± 2.9 ^p
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					955 ± 24.7
Positive Control ³	553 ± 16.8	622 ± 20.2			
Positive Control ⁴			852 ± 7.4		
Positive Control ⁵					
Positive Control ⁶				996 ± 35.7	

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CAS Number: 72276-00-7

Time Report Requested: 14:17:44

Strain: TA100

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	138 ± 4.6
10.0	134 ± 3.5
33.0	118 ± 7.7
100.0	130 ± 8.4
333.0	138 ± 8.5 ^p
1000.0	131 ± 8.8 ^p
Trial Summary	Negative
Positive Control ²	
Positive Control ³	
Positive Control ⁴	
Positive Control ⁵	643 ± 6.9
Positive Control ⁶	

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CAS Number: 72276-00-7

Time Report Requested: 14:17:44

Strain: TA1535

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control ¹	10 ± 2.0	11 ± 1.3	10 ± 1.3	17 ± 2.7	8 ± 1.8
10.0	11 ± 2.1	11 ± 3.0	12 ± 2.0	17 ± 1.2	10 ± 1.0
33.0	10 ± 1.2	5 ± 1.2	5 ± 0.6	18 ± 0.6	10 ± 1.2
100.0	9 ± 2.1	9 ± 1.2 ^P	9 ± 3.5 ^P	18 ± 3.0	7 ± 0.9 ^P
333.0	11 ± 0.6	10 ± 0.7 ^P	12 ± 1.2 ^P	18 ± 0.6	9 ± 1.5 ^P
1000.0	9 ± 1.7 ^P	8 ± 0.9 ^P	13 ± 2.1 ^P	16 ± 3.3 ^P	10 ± 0.9 ^P
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					84 ± 6.3
Positive Control ³	284 ± 10.7	273 ± 12.5			
Positive Control ⁵					
Positive Control ⁶			139 ± 7.9	96 ± 14.8	

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G06: Ames Summary Data

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

Test Compound: **Trichlorobenzene, polymer with 1,4-dichlorobenzene & sodium sulfide**
CAS Number: 72276-00-7

Time Report Requested: 14:17:44

Strain: TA1535

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	15 ± 2.3
10.0	12 ± 1.0
33.0	15 ± 2.1
100.0	18 ± 1.7
333.0	13 ± 1.5 ^P
1000.0	12 ± 0.6 ^P
Trial Summary	Negative
Positive Control ²	
Positive Control ³	
Positive Control ⁵	77 ± 2.3
Positive Control ⁶	

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Test Type: Genetic Toxicology - Bacterial
MutagenicityTest Compound: Trichlorobenzene, polymer with 1,4-dichlorobenzene & sodium sulfide
CAS Number: 72276-00-7

Time Report Requested: 14:17:44

Strain: TA97

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control ¹	143 ± 12.1	122 ± 5.8	130 ± 6.9	189 ± 7.3	116 ± 4.7
10.0	113 ± 5.7	118 ± 3.0	130 ± 2.5	173 ± 13.5	125 ± 4.7
33.0	129 ± 6.2	124 ± 1.3	136 ± 10.1	187 ± 10.0	133 ± 6.1
100.0	138 ± 3.2	116 ± 7.1	132 ± 1.9 ^P	179 ± 1.9	127 ± 3.2
333.0	127 ± 2.9	124 ± 3.4 ^P	130 ± 6.8 ^P	189 ± 5.8	128 ± 1.9 ^P
1000.0	133 ± 6.3 ^P	133 ± 1.7 ^P	133 ± 6.6 ^P	216 ± 13.6 ^P	125 ± 5.2 ^P
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ⁴					982 ± 12.5
Positive Control ⁶			2093 ± 23.3	616 ± 11.3	
Positive Control ⁷	453 ± 17.5	461 ± 20.6			

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Test Compound: Trichlorobenzene, polymer with 1,4-dichlorobenzene & sodium sulfide
CAS Number: 72276-00-7

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Strain: TA97

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	178 ± 5.8
10.0	158 ± 15.6
33.0	165 ± 6.8
100.0	182 ± 6.1
333.0	175 ± 7.9 ^P
1000.0	175 ± 10.5 ^P
Trial Summary	Negative
Positive Control ⁴	
Positive Control ⁶	647 ± 22.2
Positive Control ⁷	

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CAS Number: 72276-00-7

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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	16 ± 3.5	13 ± 1.7	19 ± 2.6	21 ± 1.3	16 ± 0.9
10.0	17 ± 1.7	14 ± 2.1	19 ± 2.7	16 ± 1.7	16 ± 2.3
33.0	16 ± 4.0	12 ± 0.3	17 ± 1.2	22 ± 2.8	23 ± 2.2
100.0	16 ± 2.1	18 ± 1.8	16 ± 2.0 ^P	19 ± 3.9 ^P	15 ± 2.2 ^P
333.0	18 ± 1.9 ^P	11 ± 1.7 ^P	22 ± 2.1 ^P	20 ± 3.5 ^P	14 ± 1.5 ^P
1000.0	15 ± 2.2 ^P	11 ± 0.3 ^P	18 ± 1.2 ^P	17 ± 2.5 ^P	15 ± 1.9 ^P
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²			716 ± 27.6		1190 ± 11.8
Positive Control ⁸	290 ± 9.6	269 ± 10.1			
Positive Control ⁵				452 ± 21.5	

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CAS Number: 72276-00-7

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Strain: TA98

Dose (ug/Plate)	With 30% Hamster S9	With 30% Hamster S9
Vehicle Control ¹	23 ± 4.4	25 ± 2.3
10.0	21 ± 3.6	27 ± 2.3
33.0	22 ± 1.2	25 ± 2.6
100.0	14 ± 7.6 ^P	21 ± 2.7
333.0	16 ± 7.8 ^P	25 ± 3.0
1000.0	12 ± 2.7 ^P	17 ± 2.2 ^P
Trial Summary	Negative	Negative
Positive Control ²		
Positive Control ⁸		
Positive Control ⁵	397 ± 4.4	291 ± 26.3

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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

p: Precipitate

**** END OF REPORT ****