

Experiment Number: A37135

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

G06: Ames Summary Data

Test Compound: Trichloroacetic acid

CAS Number: 76-03-9

Date Report Requested: 09/16/2018

Time Report Requested: 18:53:07

NTP Study Number:

A37135

Study Result:

Negative

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Date Report Requested: 09/16/2018

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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	124 ± 7.1	124 ± 3.2	133 ± 9.7	144 ± 6.9	119 ± 7.7
33.0	120 ± 5.8	123 ± 7.7			
100.0	118 ± 11.1	133 ± 7.7	131 ± 3.5	135 ± 5.8	124 ± 7.4
333.0	106 ± 4.3	127 ± 9.3	124 ± 5.0	134 ± 3.8	123 ± 8.4
1000.0	114 ± 10.3	116 ± 1.3	126 ± 9.9	133 ± 4.3	127 ± 2.1
3333.0	95 ± 4.0	110 ± 5.9	132 ± 8.4 ^p	140 ± 10.2 ^p	118 ± 5.5 ^p
10000.0			119 ± 6.3 ^p	78 ± 6.1 ^p	117 ± 3.8 ^p
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					641 ± 19.1
Positive Control ³			593 ± 13.8		
Positive Control ⁴	951 ± 25.6	974 ± 25.5			
Positive Control ⁵				629 ± 50.7	

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Strain: TA100

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	130 ± 9.6
33.0	
100.0	129 ± 2.6
333.0	139 ± 2.1
1000.0	127 ± 9.5
3333.0	135 ± 4.2 ^P
10000.0	110 ± 9.7 ^P
Trial Summary	Negative
Positive Control ²	
Positive Control ³	1022 ± 22.5
Positive Control ⁴	
Positive Control ⁵	

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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	8 ± 0.9	19 ± 2.5	23 ± 2.5	13 ± 1.2	18 ± 3.0
33.0		19 ± 0.3			
100.0	8 ± 0.7	17 ± 2.0	19 ± 0.3	10 ± 0.9	21 ± 2.0
333.0	7 ± 1.5	17 ± 2.2	15 ± 0.7	14 ± 2.6	22 ± 3.5
1000.0	7 ± 0.0	16 ± 1.7	23 ± 4.1	12 ± 2.3	17 ± 4.2
3333.0	5 ± 0.3	16 ± 1.5	23 ± 1.2 ^p	11 ± 0.6 ^p	18 ± 2.0 ^p
10000.0	Toxic		19 ± 0.9 ^p	9 ± 0.3 ^p	14 ± 0.3 ^p
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ³					232 ± 21.0
Positive Control ⁴	980 ± 23.7	1017 ± 44.8			
Positive Control ⁵			209 ± 10.3		
Positive Control ⁶				134 ± 9.8	

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Date Report Requested: 09/16/2018
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Strain: TA1535

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	10 ± 1.2
33.0	
100.0	9 ± 0.3
333.0	9 ± 0.6
1000.0	6 ± 0.7
3333.0	9 ± 1.8 ^p
10000.0	9 ± 2.0 ^p
Trial Summary	Negative
Positive Control ³	
Positive Control ⁴	
Positive Control ⁵	170 ± 3.1
Positive Control ⁶	

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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	144 ± 9.4	156 ± 3.9	181 ± 8.1	173 ± 11.9	185 ± 4.4
33.0		153 ± 7.6			
100.0	147 ± 9.0	169 ± 11.1	180 ± 7.4	149 ± 10.0	152 ± 9.2
333.0	160 ± 5.9	145 ± 11.0	192 ± 6.5	170 ± 9.5	151 ± 11.5
1000.0	172 ± 3.0	169 ± 2.3	180 ± 8.9	172 ± 10.5	182 ± 8.2
3333.0	163 ± 10.7	155 ± 10.7	164 ± 2.8 ^p	177 ± 5.5 ^p	178 ± 5.5 ^p
10000.0	Toxic		167 ± 10.0 ^p	88 ± 5.8 ^p	161 ± 8.6 ^p
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					590 ± 16.6
Positive Control ³			462 ± 20.5		
Positive Control ⁵				544 ± 17.2	
Positive Control ⁷	491 ± 14.6	499 ± 6.6			

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Strain: TA97

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	170 ± 4.8
33.0	
100.0	176 ± 11.3
333.0	150 ± 3.9
1000.0	165 ± 2.0
3333.0	169 ± 5.7 ^P
10000.0	98 ± 10.0 ^P
Trial Summary	Negative
Positive Control ²	
Positive Control ³	605 ± 4.9
Positive Control ⁵	
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	19 ± 3.3	22 ± 2.3	24 ± 3.2	24 ± 2.0	20 ± 1.9
33.0	21 ± 1.7	19 ± 0.3			
100.0	21 ± 1.5	15 ± 0.7	19 ± 0.3	20 ± 0.7	19 ± 1.2
333.0	20 ± 2.3	16 ± 1.5	18 ± 3.3	20 ± 2.3	22 ± 1.7
1000.0	23 ± 2.6	21 ± 4.2	26 ± 2.4	23 ± 1.3	22 ± 1.0
3333.0	10 ± 0.9	13 ± 3.1	27 ± 2.1 ^P	16 ± 1.2 ^P	24 ± 2.0 ^P
10000.0			21 ± 1.7 ^P	9 ± 0.9 ^P	20 ± 2.7 ^P
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					448 ± 17.4
Positive Control ³			250 ± 19.5		
Positive Control ⁸	319 ± 7.7	347 ± 16.8			
Positive Control ⁵				511 ± 34.1	

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Strain: TA98

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	25 ± 3.0
33.0	
100.0	23 ± 2.4
333.0	20 ± 3.5
1000.0	21 ± 1.5
3333.0	24 ± 1.5 ^p
10000.0	10 ± 1.5 ^p
Trial Summary	Negative
Positive Control ²	
Positive Control ³	841 ± 75.9
Positive Control ⁸	
Positive Control ⁵	

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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: Water

2: 1.0 ug/Plate 2-Aminoanthracene

3: 2.0 ug/Plate 2-Aminoanthracene

4: 5.0 ug/Plate Sodium Azide

5: 5.0 ug/Plate 2-Aminoanthracene

6: 10.0 ug/Plate 2-Aminoanthracene

7: 50.0 ug/Plate 9-Aminoacridine

8: 2.5 ug/Plate 4-Nitro-O-Phenylenediamine

p: Precipitate

**** END OF REPORT ****