

Experiment Number: **513040**

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

G06: Ames Summary Data

Test Compound: **1,2,3-Trichlorobenzene**

CAS Number: **87-61-6**

Date Report Requested: **09/12/2018**

Time Report Requested: **11:45:54**

NTP Study Number:

513040

Study Result:

Negative

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Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9
Vehicle Control ¹	102 ± 10.6	86 ± 3.3	124 ± 9.9	102 ± 8.6	138 ± 7.0
1.0	120 ± 5.7	91 ± 3.2			
3.3	93 ± 0.0		122 ± 13.2		122 ± 9.7
10.0		103 ± 7.8	134 ± 14.0	89 ± 4.0	131 ± 7.5
33.3	96 ± 0.0	100 ± 8.0	91 ± 3.8	97 ± 13.0	131 ± 11.6
100.0		56 ± 28.0	11 ± 6.9 ^S	102 ± 1.2	91 ± 6.4
333.3	2 ± 0.0	24 ± 12.0 ^S	Toxic	101 ± 2.4	Toxic
666.7		Toxic		Toxic	
1000.0	Toxic				
3333.3	Toxic				
10000.0	Toxic				
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²				566 ± 25.3	596 ± 29.5
Positive Control ³	557 ± 16.7	533 ± 6.9	550 ± 8.1		

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Strain: TA100

Dose (ug/Plate)	With 10% Hamster S9	With 10% Hamster S9
Vehicle Control ¹	99 ± 5.9	131 ± 7.3
1.0		
3.3		114 ± 4.1
10.0	115 ± 8.1	122 ± 7.2
33.3	107 ± 5.9	135 ± 10.6
100.0	97 ± 4.4	124 ± 10.2
333.3	9 ± 4.6 ^s	80 ± 2.8 ^s
666.7	Toxic	
1000.0		
3333.3		
10000.0		
Trial Summary	Negative	Negative
Positive Control ²	1172 ± 81.3	556 ± 9.5
Positive Control ³		

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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 ¹	24 ± 2.9	25 ± 6.0	14 ± 1.2	12 ± 2.9	14 ± 3.5
2.5	24 ± 1.5				
3.3		17 ± 1.7		10 ± 2.2	
10.0	24 ± 2.6	20 ± 4.6	15 ± 0.7	14 ± 0.3	15 ± 1.5
33.3	20 ± 2.4	17 ± 2.3	10 ± 2.3	14 ± 2.9	13 ± 2.6
100.0	16 ± 1.7	0 ± 0.0 ^S	15 ± 1.3	8 ± 1.5	15 ± 1.5
333.3	Toxic	Toxic	9 ± 2.3	4 ± 2.2 ^S	4 ± 0.3 ^S
666.7	Toxic		Toxic		Toxic
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ³	353 ± 46.4	438 ± 5.3			
Positive Control ⁴			214 ± 15.9	334 ± 51.3	300 ± 40.3

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Date Report Requested: **09/12/2018**

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Strain: TA1535

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	14 ± 0.9
2.5	
3.3	16 ± 2.0
10.0	13 ± 0.3
33.3	16 ± 1.5
100.0	14 ± 3.8
333.3	6 ± 0.7 ^s
666.7	
Trial Summary	Negative
Positive Control ³	
Positive Control ⁴	367 ± 6.2

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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 ¹	6 ± 1.2	11 ± 2.7	16 ± 2.0	20 ± 0.3	17 ± 1.2
2.5	9 ± 3.0				
3.3		8 ± 2.1		15 ± 3.2	
10.0	10 ± 0.7	12 ± 1.3	16 ± 1.7	14 ± 3.5	18 ± 1.8
33.3	7 ± 0.9	6 ± 1.3	10 ± 2.4	13 ± 3.8	17 ± 1.5
100.0	2 ± 0.3 ^S	0 ± 0.0 ^S	16 ± 2.1	11 ± 1.8	15 ± 1.8
333.3	2 ± 0.0 ^S	Toxic	15 ± 0.3	0 ± 0.0 ^S	1 ± 0.9 ^S
666.7	Toxic		Toxic		Toxic
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ⁴			52 ± 2.3	287 ± 3.6	132 ± 10.4
Positive Control ⁵	277 ± 25.9	163 ± 24.0			

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Strain: TA1537

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	26 ± 3.5
2.5	
3.3	18 ± 3.0
10.0	22 ± 3.0
33.3	18 ± 1.5
100.0	21 ± 3.3
333.3	6 ± 1.0 ^s
666.7	
Trial Summary	Negative
Positive Control ⁴	467 ± 13.0
Positive Control ⁵	

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Strain: TA98

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	26 ± 1.2	25 ± 2.4	24 ± 2.7	22 ± 5.0	37 ± 5.2
1.0	16 ± 1.2				
3.3		20 ± 3.0		26 ± 2.2	
10.0	24 ± 3.1	16 ± 4.8	34 ± 3.7	24 ± 1.7	45 ± 8.0
33.3	22 ± 4.2	20 ± 0.7	34 ± 4.3	23 ± 3.7	38 ± 5.6
100.0	16 ± 4.2 ^S	10 ± 2.9 ^S	30 ± 4.7	27 ± 0.6	34 ± 3.3
333.3	Toxic	Toxic	29 ± 3.8	6 ± 3.2 ^S	21 ± 11.1 ^S
666.7	Toxic		23 ± 3.0 ^S		Toxic
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²			202 ± 10.3	388 ± 25.1	526 ± 83.9
Positive Control ⁶	441 ± 10.5	474 ± 16.3			

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Strain: TA98

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	35 ± 3.4
1.0	
3.3	32 ± 1.0
10.0	31 ± 3.2
33.3	32 ± 5.1
100.0	31 ± 2.0
333.3	18 ± 6.2 ^s
666.7	
Trial Summary	Negative
Positive Control ²	934 ± 19.9
Positive Control ⁶	

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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: 1.0 ug/Plate 2-Aminoanthracene

3: 1.0 ug/Plate Sodium Azide

4: 2.5 ug/Plate 2-Aminoanthracene

5: 50.0 ug/Plate 9-Aminoacridine

6: 5.0 ug/Plate 4-Nitro-O-Phenylenediamine

s: Slight Toxicity

**** END OF REPORT ****