

Experiment Number: 574937

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

G06: Ames Summary Data

Test Compound: **Trichloroethylene**

CAS Number: **79-01-6**

Date Report Requested: **09/14/2018**

Time Report Requested: **05:33:25**

NTP Study Number:

574937

Study Result:

Negative

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Strain: TA100				
Dose (mL/Chamber)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9
Vehicle Control ¹	84 ± 1.9			
Vehicle Control ²				90 ± 2.3
Vehicle Control ³		106 ± 2.3	117 ± 10.4	
0.32	93 ± 1.8			114 ± 9.6
0.63	98 ± 3.5			154 ± 2.3
1.25	138 ± 4.6			173 ± 9.3
2.5	162 ± 0.9			169 ± 8.2
33.0		102 ± 6.7	112 ± 7.8	
100.0		98 ± 8.4	101 ± 6.4	
333.0		92 ± 11.0	112 ± 3.2	
1000.0		92 ± 1.2	100 ± 6.9	
3333.0		84 ± 6.1	92 ± 5.4 ^s	
10000.0		72 ± 2.1 ^s	101 ± 11.4 ^s	
Trial Summary	Positive	Negative	Negative	Positive
Positive Control ⁴			693 ± 38.1	
Positive Control ⁵	692 ± 32.5			1005 ± 14.5

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Strain: TA1535

Dose (mL/Chamber)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9
Vehicle Control ²	7 ± 1.5		8 ± 1.5	
Vehicle Control ³		8 ± 2.0		11 ± 0.9
0.32	16 ± 1.7		12 ± 3.8	
0.63	26 ± 0.9		19 ± 2.6	
1.25	51 ± 4.2		53 ± 1.7	
2.5	98 ± 8.5		79 ± 4.7	
33.0		11 ± 1.2		10 ± 0.3
100.0		8 ± 1.3		8 ± 1.5
333.0		11 ± 0.9		12 ± 2.0
1000.0		12 ± 1.2		10 ± 0.3
3333.0		10 ± 1.7		8 ± 1.5
10000.0		11 ± 1.5 ^s		9 ± 2.4 ^s
Trial Summary	Positive	Negative	Positive	Negative
Positive Control ⁴				105 ± 2.4
Positive Control ⁵	37 ± 2.4		51 ± 3.8	

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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: 2-Aminoanthracene

2: Vehicle Control: Air

3: Vehicle Control: Dimethyl Sulfoxide

4: 1.0 ug/Plate 2-Aminoanthracene

5: 5.0 mL/Chamber Dichloromethane

s: Slight Toxicity

**** END OF REPORT ****