

Experiment Number: **G10472C**

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

G06: Ames Summary Data

Test Compound: **p-chloro-a,a,a-trifluorotoluene**

CAS Number: **98-56-6**

Date Report Requested: **09/10/2018**

Time Report Requested: **15:39:03**

NTP Study Number:

G10472C

Study Result:

Negative

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Strain: TA100

Dose (ug/plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9
Vehicle Control ¹	104.7 ± 2.7	96.7 ± 9.3	114 ± 1.5	105.7 ± 9.6
125	86.3 ± 13.7	86.7 ± 6.6		
250	66 ± 4.0	74.7 ± 2.0	96.7 ± 10.7	100.7 ± 8.3
500	67 ± 6.1 ^s	43.3 ± 6.4 ^s	76 ± 7.2	78.3 ± 2.2
1000	53.3 ± 6.0 ^s	45 ± 8.9 ^s	75.3 ± 1.9 ^s	69.7 ± 8.6 ^s
2000	28.7 ± 1.9 ^s	53.7 ± 13.7 ^s	53 ± 17.5 ^s	46 ± 4.0 ^s
3000			36.7 ± 19.9 ^s	32.7 ± 6.7 ^s
5000	6 ± 2.3 ^s	5.5 ± 2.5 ^s		
6000			Toxic	21.3 ± 5.8 ^s
Trial Summary	Negative	Negative	Negative	Negative
Positive Control ²	589.7 ± 35.5	666 ± 30.0		
Positive Control ³			664.7 ± 54.5	653 ± 30.4

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Strain: TA98

Dose (ug/plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9
Vehicle Control ¹	17 ± 2.3	11 ± 1.2	21 ± 2.9	16.7 ± 3.0
125	11 ± 1.7	14.7 ± 4.6		
250	12.3 ± 1.3	10.3 ± 2.0	18.3 ± 2.4	20.3 ± 4.4
500	9 ± 2.6	10 ± 1.7 ^s	19.7 ± 2.3	14 ± 8.4
1000	10.7 ± 2.3	9.3 ± 2.8 ^s	11.3 ± 2.6	17 ± 1.0 ^s
2000	11 ± 2.0 ^s	12.3 ± 1.2 ^s	13 ± 2.5	18 ± 3.1 ^s
3000			18 ± 1.5	17.3 ± 2.7 ^s
5000	Toxic	Toxic		
6000			16.3 ± 1.5	3.3 ± 0.9 ^s
Trial Summary	Negative	Negative	Negative	Negative
Positive Control ⁴			1378.3 ± 89.5	1611.7 ± 116.2
Positive Control ⁵	664 ± 15.7	698 ± 26.4		

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Strain: E. coli WP2 uvrA pKM101

Dose (ug/plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9
Vehicle Control ¹	97.3 ± 15.6	109.7 ± 4.4	147 ± 21.1	170.3 ± 5.8
125	83.7 ± 9.3	122.7 ± 11.3		
250	71.3 ± 3.5	108 ± 2.1	179.3 ± 18.4	155.7 ± 11.3
500	72.3 ± 1.3	106 ± 4.0 ^s	122.7 ± 4.8	125 ± 15.0
1000	73.7 ± 2.6	78.7 ± 20.9 ^s	93.3 ± 7.7 ^s	119 ± 12.2 ^s
2000	62.3 ± 8.1 ^s	84.3 ± 10.7 ^s	95.3 ± 7.5 ^s	120.3 ± 5.0 ^s
3000			78.7 ± 17.6 ^s	97.7 ± 20.8 ^s
5000	13 ± 3.6 ^s	29.5 ± 24.5 ^s		
6000			45 ± 20.5 ^s	106.7 ± 25.7 ^s
Trial Summary	Negative	Negative	Negative	Negative
Positive Control ⁶	1518.7 ± 61.0	2208 ± 27.5		
Positive Control ⁷			994.3 ± 2.7	1321.3 ± 5.6

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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: DMSO

2: 1 ug/plate Sodium Azide

3: 2 ug/plate Benzo[a]pyrene

4: 2 ug/plate 2-Aminoanthracene

5: 3 ug/plate 2-Nitrofluorene

6: 0.25 ug/plate 4-Nitroquinoline-N-oxide

7: 20 ug/plate 2-Aminoanthracene

s: Slight Toxicity

**** END OF REPORT ****