

Experiment Number: 176994

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: 09/13/2018

Time Report Requested: 14:46:16

**NTP Study Number:**

176994

**Study Result:**

Negative

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## Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control <sup>1</sup>	111 ± 6.1	92 ± 12.6	111 ± 12.5	123 ± 4.9	99 ± 3.5
10.0	113 ± 5.5	90 ± 11.1	115 ± 6.3	101 ± 7.6	104 ± 2.9
33.0	105 ± 4.5				
33.3		99 ± 7.6	101 ± 1.2	103 ± 11.4	106 ± 3.9
100.0	100 ± 5.2	103 ± 16.2	102 ± 4.2	88 ± 1.5	98 ± 3.8
333.3	110 ± 0.9	82 ± 4.5 <sup>s</sup>	73 ± 2.3	72 ± 10.7 <sup>s</sup>	74 ± 4.6
1000.0	Toxic	Toxic	64 ± 4.7 <sup>s</sup>	67 ± 1.2 <sup>s</sup>	64 ± 6.2 <sup>s</sup>
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>2</sup>	483 ± 7.2	416 ± 11.3			
Positive Control <sup>3</sup>			1075 ± 30.0	549 ± 71.3	1119 ± 119.8

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**Strain: TA100**

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<b>Dose (ug/Plate)</b>	<b>With 10% Hamster S9</b>
Vehicle Control <sup>1</sup>	98 ± 6.7
10.0	96 ± 10.2
33.0	
33.3	88 ± 9.7
100.0	106 ± 3.5
333.3	101 ± 2.5
1000.0	92 ± 8.7
Trial Summary	Negative
Positive Control <sup>2</sup>	
Positive Control <sup>3</sup>	2115 ± 14.6

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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 <sup>1</sup>	32 ± 2.3	20 ± 4.4	14 ± 0.6	8 ± 1.7	12 ± 2.2
10.0	38 ± 0.6	16 ± 1.2	15 ± 0.7	12 ± 0.0	16 ± 1.5
33.3	33 ± 4.3	14 ± 1.5	16 ± 2.7	9 ± 1.3	12 ± 1.5
100.0	36 ± 3.7	15 ± 3.0	12 ± 2.2	14 ± 1.5	15 ± 2.8
333.3	28 ± 2.3 <sup>s</sup>	13 ± 3.4 <sup>s</sup>	11 ± 3.4	8 ± 2.3 <sup>s</sup>	8 ± 0.9
1000.0	Toxic	8 ± 0.0 <sup>s</sup>	11 ± 2.7 <sup>s</sup>	11 ± 2.3 <sup>s</sup>	7 ± 1.5 <sup>s</sup>
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>2</sup>	412 ± 9.4	346 ± 14.4			
Positive Control <sup>4</sup>			314 ± 14.9	167 ± 4.9	257 ± 13.8

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**Strain: TA1535**

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<b>Dose (ug/Plate)</b>	<b>With 10% Hamster S9</b>
Vehicle Control <sup>1</sup>	10 ± 1.7
10.0	15 ± 1.3
33.3	12 ± 2.9
100.0	10 ± 1.8
333.3	9 ± 2.6
1000.0	11 ± 1.3
Trial Summary	Negative
Positive Control <sup>2</sup>	
Positive Control <sup>4</sup>	266 ± 9.5

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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 <sup>1</sup>	16 ± 3.8	5 ± 1.7	16 ± 1.5	6 ± 1.2	16 ± 2.1
10.0	10 ± 2.7	7 ± 1.9	19 ± 0.6	6 ± 0.9	23 ± 1.3
33.3	11 ± 1.2	3 ± 0.6	16 ± 0.3	7 ± 0.3	21 ± 1.8
100.0	9 ± 1.5	4 ± 1.3	15 ± 0.9	6 ± 1.2	19 ± 0.9
333.3	8 ± 0.3	4 ± 0.6	10 ± 3.8	5 ± 0.6	15 ± 0.9
1000.0	3 ± 2.5 <sup>s</sup>	Toxic	7 ± 1.2 <sup>s</sup>	1 ± 1.0 <sup>s</sup>	15 ± 3.3 <sup>s</sup>
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>4</sup>			495 ± 52.6	239 ± 24.6	459 ± 52.4
Positive Control <sup>5</sup>	329 ± 159.1	847 ± 54.3			

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Strain: TA1537

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Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control <sup>1</sup>	8 ± 1.3
10.0	6 ± 0.3
33.3	6 ± 1.2
100.0	6 ± 1.2
333.3	6 ± 1.8
1000.0	3 ± 1.5 <sup>s</sup>
Trial Summary	Negative
Positive Control <sup>4</sup>	411 ± 10.3
Positive Control <sup>5</sup>	

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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 <sup>1</sup>	29 ± 0.9	34 ± 4.5	40 ± 3.3	43 ± 1.0	47 ± 7.6
10.0	31 ± 7.1	29 ± 1.8	53 ± 1.2	39 ± 3.3	52 ± 4.4
33.3	21 ± 1.5	29 ± 0.7	44 ± 5.7	35 ± 3.8	50 ± 8.7
100.0	22 ± 3.5	25 ± 6.6	32 ± 2.6	38 ± 3.6	48 ± 5.3
333.3	22 ± 2.4	8 ± 1.3 <sup>s</sup>	22 ± 2.8	30 ± 5.5 <sup>s</sup>	28 ± 5.1
1000.0	Toxic	Toxic	22 ± 3.5 <sup>s</sup>	27 ± 2.4 <sup>s</sup>	35 ± 2.1 <sup>s</sup>
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>3</sup>			574 ± 22.3	365 ± 22.9	570 ± 57.5
Positive Control <sup>6</sup>	691 ± 10.1	671 ± 57.5			



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**Strain: TA98**

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<b>Dose (ug/Plate)</b>	<b>With 10% Hamster S9</b>
Vehicle Control <sup>1</sup>	33 ± 2.3
10.0	37 ± 2.0
33.3	35 ± 3.2
100.0	33 ± 4.2
333.3	33 ± 3.4
1000.0	25 ± 5.5
Trial Summary	Negative
Positive Control <sup>3</sup>	1271 ± 7.8
Positive Control <sup>6</sup>	

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**LEGEND**

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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 Sodium Azide

3: 1.0 ug/Plate 2-Aminoanthracene

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 \*\***