

Experiment Number: 792994

Test Type: Genetic Toxicology - Bacterial  
Mutagenicity

**G06: Ames Summary Data**

Test Compound: 4-Chloro-3-nitro-a,a,a-trifluorotoluene

CAS Number: 121-17-5

Date Report Requested: 09/18/2018

Time Report Requested: 06:12:48

**NTP Study Number:**

792994

**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>	100 ± 7.0	110 ± 15.9	93 ± 3.8	102 ± 6.1	93 ± 5.5
3.3	118 ± 2.7	113 ± 8.8			
10.0	109 ± 7.4	123 ± 4.7	119 ± 5.2	111 ± 2.7	122 ± 16.1
33.3	112 ± 17.5	124 ± 11.9	108 ± 4.5	117 ± 11.8	106 ± 9.4
100.0	102 ± 8.5	119 ± 11.1	117 ± 4.4	125 ± 13.6	116 ± 6.9
333.3	84 ± 27.8 <sup>s</sup>	118 ± 3.4 <sup>s</sup>	125 ± 14.9	107 ± 3.8	101 ± 0.3
1000.0			114 ± 13.3	100 ± 2.5 <sup>s</sup>	118 ± 13.4
3333.3					
10000.0					
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>2</sup>			508 ± 25.7	878 ± 34.5	1469 ± 135.5
Positive Control <sup>3</sup>	471 ± 3.3	412 ± 15.1			

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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>	101 ± 1.3
3.3	
10.0	109 ± 17.6
33.3	105 ± 12.6
100.0	97 ± 4.5
333.3	112 ± 8.1
1000.0	86 ± 2.8 <sup>s</sup>
3333.3	
10000.0	
Trial Summary	Negative
Positive Control <sup>2</sup>	1446 ± 65.9
Positive Control <sup>3</sup>	

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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>	14 ± 0.3	16 ± 2.3	17 ± 0.9	18 ± 3.8	12 ± 3.8
3.3	19 ± 2.0	16 ± 1.8			
10.0	18 ± 2.0	20 ± 0.9	13 ± 0.6	18 ± 2.5	14 ± 3.5
33.3	13 ± 1.8	23 ± 2.6	16 ± 2.7	19 ± 1.2	15 ± 0.3
100.0	8 ± 4.4 <sup>s</sup>	21 ± 2.7	11 ± 3.3	20 ± 1.9	10 ± 1.2
333.3	Toxic	19 ± 0.9 <sup>s</sup>	13 ± 0.6	18 ± 1.2	10 ± 3.4
1000.0			9 ± 2.4	13 ± 0.9	7 ± 1.2 <sup>s</sup>
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>3</sup>	361 ± 11.3	331 ± 21.5			
Positive Control <sup>4</sup>			366 ± 7.2	376 ± 20.0	284 ± 30.5

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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>	9 ± 2.7
3.3	
10.0	9 ± 1.3
33.3	8 ± 3.5
100.0	8 ± 0.6
333.3	10 ± 2.7
1000.0	9 ± 1.8
Trial Summary	Negative
Positive Control <sup>3</sup>	
Positive Control <sup>4</sup>	440 ± 31.9

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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>	8 ± 0.7	10 ± 2.4	14 ± 2.3	14 ± 5.0	19 ± 3.2
3.3	8 ± 0.3	8 ± 1.9			
10.0	6 ± 0.3	11 ± 1.2	12 ± 1.7	14 ± 1.5	19 ± 1.0
33.3	9 ± 1.7	11 ± 2.0	14 ± 2.7	15 ± 2.3	13 ± 2.0
100.0	6 ± 1.2	10 ± 1.2	10 ± 2.2	14 ± 2.4	22 ± 2.7
333.3	5 ± 0.6 <sup>s</sup>	7 ± 0.9	12 ± 2.9	15 ± 2.8	17 ± 0.7
1000.0			11 ± 2.7	16 ± 2.6	15 ± 3.8
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>4</sup>			345 ± 6.9	418 ± 19.9	555 ± 30.1
Positive Control <sup>5</sup>	87 ± 18.2	134 ± 25.4			

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**Strain: TA1537**

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<b>Dose (ug/Plate)</b>	<b>With 10% Hamster S9</b>
Vehicle Control <sup>1</sup>	11 ± 2.0
3.3	
10.0	8 ± 0.7
33.3	6 ± 1.2
100.0	6 ± 0.7
333.3	7 ± 0.6
1000.0	4 ± 1.5
Trial Summary	Negative
Positive Control <sup>4</sup>	497 ± 17.4
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>	22 ± 3.8	16 ± 0.3	23 ± 2.1	49 ± 2.4	35 ± 4.3
3.3	25 ± 4.2	15 ± 0.7			
10.0	23 ± 4.2	16 ± 2.0	31 ± 3.8	43 ± 3.6	32 ± 6.0
33.3	20 ± 2.3	16 ± 2.3	34 ± 4.4	46 ± 7.3	31 ± 3.5
100.0	16 ± 1.9	21 ± 4.3	28 ± 3.8	45 ± 4.5	22 ± 1.9
333.3	9 ± 1.9 <sup>s</sup>	14 ± 6.5 <sup>s</sup>	25 ± 3.3	40 ± 2.5	34 ± 4.3
1000.0			33 ± 2.0	43 ± 3.2	26 ± 4.5
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>2</sup>			259 ± 7.0	435 ± 4.9	1177 ± 183.9
Positive Control <sup>6</sup>	855 ± 43.6	777 ± 28.8			



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Strain: TA98

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Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control <sup>1</sup>	35 ± 3.8
3.3	
10.0	33 ± 3.2
33.3	35 ± 3.5
100.0	31 ± 4.0
333.3	29 ± 1.0
1000.0	26 ± 3.2
Trial Summary	Negative
Positive Control <sup>2</sup>	1537 ± 9.3
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 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 \*\***