

Experiment Number: 123146

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

**G06: Ames Summary Data**

Test Compound: **3-Nitro-a,a,a-trifluorotoluene**

CAS Number: **98-46-4**

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

Time Report Requested: **02:15:50**

**NTP Study Number:**

123146

**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>	95 ± 4.2	112 ± 5.9	120 ± 5.0	124 ± 4.3	110 ± 9.9
3.3	113 ± 7.1	97 ± 6.0	154 ± 4.4	136 ± 9.6	111 ± 0.6
10.0	111 ± 3.2	104 ± 4.9	135 ± 12.3	133 ± 8.8	121 ± 8.9
33.3	113 ± 1.7	110 ± 6.9	138 ± 14.1	134 ± 5.9	117 ± 6.2
100.0	113 ± 5.5	109 ± 2.9	127 ± 11.7	129 ± 9.3	115 ± 8.3
333.3	21 ± 7.5 <sup>s</sup>	80 ± 3.7 <sup>s</sup>	105 ± 2.8	102 ± 6.2	106 ± 5.2
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>2</sup>			195 ± 11.0	904 ± 24.8	203 ± 9.0
Positive Control <sup>3</sup>	286 ± 9.0	190 ± 7.4			

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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>	112 ± 12.9
3.3	119 ± 11.3
10.0	105 ± 10.1
33.3	114 ± 8.8
100.0	104 ± 4.3
333.3	113 ± 5.8
Trial Summary	Negative
Positive Control <sup>2</sup>	1646 ± 98.9
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>	20 ± 2.8	26 ± 4.2	12 ± 1.5	12 ± 0.9	10 ± 0.7
3.3	24 ± 3.8	21 ± 4.3	15 ± 0.7	10 ± 3.2	15 ± 1.5
10.0	19 ± 3.5	21 ± 5.5	17 ± 2.4	13 ± 2.5	11 ± 2.2
33.3	19 ± 2.9	18 ± 0.3	12 ± 1.7	9 ± 1.7	10 ± 1.0
100.0	19 ± 2.9	26 ± 0.7	10 ± 2.0	9 ± 3.4	14 ± 4.2
333.3	Toxic	18 ± 0.9 <sup>s</sup>	12 ± 2.3	10 ± 1.8	13 ± 3.7
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>3</sup>	287 ± 11.6	191 ± 9.0			
Positive Control <sup>4</sup>			94 ± 11.4	490 ± 12.3	127 ± 1.0

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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>	13 ± 0.3
3.3	12 ± 3.2
10.0	12 ± 2.3
33.3	11 ± 3.2
100.0	12 ± 1.8
333.3	8 ± 1.9
Trial Summary	Negative
Positive Control <sup>3</sup>	
Positive Control <sup>4</sup>	538 ± 8.4

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## Strain: TA1537

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Hamster S9	With 10% Hamster S9
Vehicle Control <sup>1</sup>	9 ± 3.4	7 ± 1.0	16 ± 2.0	12 ± 2.0	17 ± 0.7
3.3	8 ± 2.7	11 ± 2.7	19 ± 3.5	19 ± 5.8	12 ± 2.6
10.0	7 ± 1.5	5 ± 1.5	16 ± 2.2	18 ± 3.1	11 ± 3.1
33.3	8 ± 0.3	7 ± 0.7	19 ± 0.3	20 ± 4.0	17 ± 1.9
100.0	8 ± 1.9	7 ± 1.2	11 ± 1.2	19 ± 3.8	15 ± 1.2
333.3	1 ± 0.5 <sup>s</sup>	6 ± 1.5 <sup>s</sup>	11 ± 2.7	16 ± 1.9	18 ± 3.4
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>4</sup>			532 ± 21.7	50 ± 0.9	554 ± 29.2
Positive Control <sup>5</sup>	413 ± 39.1	248 ± 75.8			

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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>	33 ± 1.5	23 ± 2.2	35 ± 2.8	24 ± 3.2	49 ± 2.1
3.3	31 ± 4.4	27 ± 5.5	39 ± 4.7	38 ± 3.5	45 ± 3.5
10.0	26 ± 4.0	29 ± 0.9	44 ± 2.3	31 ± 3.2	51 ± 1.5
33.3	34 ± 3.1	26 ± 0.7	35 ± 5.2	25 ± 2.7	47 ± 10.0
100.0	40 ± 6.8	28 ± 3.0	38 ± 6.1	37 ± 3.5	35 ± 3.6
333.3	13 ± 5.7 <sup>s</sup>	16 ± 0.9 <sup>s</sup>	28 ± 3.7	27 ± 1.0 <sup>s</sup>	39 ± 5.5
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>2</sup>			114 ± 6.5	666 ± 158.7	158 ± 7.3
Positive Control <sup>6</sup>	626 ± 11.2	883 ± 13.5			

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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>	38 ± 3.8
3.3	38 ± 3.0
10.0	34 ± 5.2
33.3	21 ± 4.5
100.0	35 ± 5.3
333.3	29 ± 4.8
Trial Summary	Negative
Positive Control <sup>2</sup>	1361 ± 21.7
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 \*\***