

Experiment Number: 758178

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

**G06: Ames Summary Data**

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

CAS Number: **98-16-8**

Date Report Requested: **09/17/2018**

Time Report Requested: **15:16:09**

**NTP Study Number:**

758178

**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>	106 ± 4.7	101 ± 5.4	108 ± 7.9	100 ± 7.3	100 ± 4.9
10.0		97 ± 5.2		98 ± 3.2	
33.3	94 ± 3.3	86 ± 5.8	130 ± 4.3	101 ± 1.7	99 ± 7.2
100.0	86 ± 3.8	103 ± 1.2	130 ± 10.9	96 ± 3.8	100 ± 7.9
333.3	89 ± 5.2	99 ± 1.7	110 ± 8.5	66 ± 5.3 <sup>s</sup>	108 ± 8.4
1000.0	82 ± 7.5 <sup>s</sup>	Toxic	78 ± 10.3 <sup>s</sup>	Toxic	90 ± 6.7
1666.7	Toxic		Toxic		72 ± 20.0
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>2</sup>			1214 ± 55.4	317 ± 20.9	1423 ± 23.4
Positive Control <sup>3</sup>	457 ± 14.6	439 ± 45.5			

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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>	114 ± 6.7
10.0	83 ± 7.0
33.3	86 ± 4.2
100.0	88 ± 8.6
333.3	94 ± 3.8
1000.0	Toxic
1666.7	
Trial Summary	Negative
Positive Control <sup>2</sup>	1325 ± 39.9
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>	19 ± 2.6	12 ± 0.3	9 ± 0.3	9 ± 1.7	11 ± 1.5
10.0		13 ± 3.2		9 ± 3.8	
33.3	28 ± 2.1	13 ± 2.4	16 ± 3.2	6 ± 0.3	12 ± 1.7
100.0	22 ± 1.3	15 ± 1.5	21 ± 5.5	7 ± 0.0	11 ± 2.0
333.3	32 ± 3.0	14 ± 2.6	21 ± 3.2	6 ± 0.9 <sup>s</sup>	12 ± 2.4
1000.0	35 ± 3.7 <sup>s</sup>	Toxic	12 ± 2.1	Toxic	8 ± 0.7
1666.7	Toxic		Toxic		9 ± 1.7
Trial Summary	Equivocal	Negative	Weakly Positive	Negative	Negative
Positive Control <sup>3</sup>	385 ± 21.5	388 ± 8.0			
Positive Control <sup>4</sup>			479 ± 17.8	216 ± 5.4	513 ± 5.8

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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>	6 ± 0.3
10.0	8 ± 3.5
33.3	9 ± 0.3
100.0	5 ± 0.9
333.3	8 ± 1.0
1000.0	Toxic
1666.7	
Trial Summary	Negative
Positive Control <sup>3</sup>	
Positive Control <sup>4</sup>	325 ± 6.2

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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>	7 ± 1.2	11 ± 1.8	24 ± 3.4	6 ± 0.3	29 ± 8.0
10.0		7 ± 1.5		6 ± 2.3	
33.3	11 ± 1.8	8 ± 2.7	23 ± 3.2	10 ± 2.5	20 ± 1.0
100.0	9 ± 3.7	9 ± 2.0	34 ± 3.3	6 ± 1.8	23 ± 3.5
333.3	8 ± 0.3	4 ± 1.8	25 ± 4.2	5 ± 1.2 <sup>s</sup>	19 ± 2.3
1000.0	3 ± 2.2	Toxic	12 ± 5.4	Toxic	19 ± 0.6
1666.7	0 ± 0.0 <sup>s</sup>		Toxic		8 ± 3.3 <sup>s</sup>
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>4</sup>			409 ± 15.6	134 ± 7.3	363 ± 32.1
Positive Control <sup>5</sup>	251 ± 29.2	383 ± 25.0			

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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>	5 ± 0.3
10.0	4 ± 0.3
33.3	7 ± 2.5
100.0	9 ± 2.7
333.3	4 ± 0.6
1000.0	Toxic
1666.7	
Trial Summary	Negative
Positive Control <sup>4</sup>	448 ± 14.2
Positive Control <sup>5</sup>	

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**Strain: TA98**

<b>Dose (ug/Plate)</b>	<b>Without S9</b>	<b>Without S9</b>	<b>With 10% Rat S9</b>	<b>With 10% Rat S9</b>	<b>With 10% Hamster S9</b>
Vehicle Control <sup>1</sup>	26 ± 3.6	15 ± 1.9	58 ± 4.2	35 ± 4.1	55 ± 7.1
10.0		21 ± 2.3		37 ± 6.6	
33.3	33 ± 1.7	20 ± 3.3	60 ± 10.1	24 ± 4.4	52 ± 7.3
100.0	33 ± 6.4	22 ± 3.0	55 ± 0.6	131 ± 101.2	57 ± 3.2
333.3	32 ± 2.4	23 ± 1.5	56 ± 0.0	15 ± 1.5 <sup>s</sup>	52 ± 2.0
1000.0	21 ± 2.5	Toxic	36 ± 7.3	Toxic	45 ± 2.3
1666.7	Toxic		Toxic		32 ± 5.7
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>2</sup>			440 ± 27.3	156 ± 4.9	1513 ± 57.8
Positive Control <sup>6</sup>	681 ± 18.0	651 ± 14.8			



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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>	23 ± 1.9
10.0	23 ± 2.0
33.3	19 ± 1.0
100.0	32 ± 4.4
333.3	25 ± 4.1
1000.0	8 ± 8.0 <sup>s</sup>
1666.7	
Trial Summary	Negative
Positive Control <sup>2</sup>	714 ± 47.6
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 \*\***