

Experiment Number: 712474

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

**G06: Ames Summary Data**

Test Compound: **Aniline**

CAS Number: **62-53-3**

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

Time Report Requested: **13:48:59**

**NTP Study Number:**

712474

**Study Result:**

Negative

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Date Report Requested: 09/12/2018

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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>	87 ± 9.4	121 ± 2.6	92 ± 1.0	128 ± 2.4	88 ± 2.3
100.0	93 ± 3.1	107 ± 12.5	92 ± 3.5	132 ± 7.0	98 ± 5.0
333.0	106 ± 19.5	85 ± 3.2	98 ± 3.8	125 ± 10.1	85 ± 9.2
1000.0	102 ± 14.3	103 ± 2.7	92 ± 3.5	121 ± 9.8	98 ± 16.7
3333.0	88 ± 3.4	100 ± 3.7	141 ± 2.8	124 ± 2.1	90 ± 3.3
6666.0	Toxic	Toxic	108 ± 8.0 <sup>s</sup>	Toxic	Toxic
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>2</sup>					1757 ± 131.3
Positive Control <sup>3</sup>			1262 ± 29.4	1131 ± 37.9	
Positive Control <sup>4</sup>	1985 ± 6.3	1502 ± 13.4			

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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>	85 ± 3.0
100.0	100 ± 3.5
333.0	77 ± 3.5
1000.0	88 ± 3.8
3333.0	96 ± 2.6
6666.0	Toxic
Trial Summary	Negative
Positive Control <sup>2</sup>	1383 ± 547.9
Positive Control <sup>3</sup>	
Positive Control <sup>4</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>	21 ± 5.7	17 ± 1.8	10 ± 1.0	7 ± 0.6	6 ± 1.5
100.0	16 ± 2.2	18 ± 1.9	10 ± 2.0	6 ± 0.7	8 ± 1.5
333.0	12 ± 0.7	19 ± 1.5	8 ± 1.2	9 ± 2.1	10 ± 2.9
1000.0	14 ± 3.5	17 ± 3.3	6 ± 2.6	10 ± 1.5	8 ± 2.5
3333.0	16 ± 3.7	19 ± 1.2	9 ± 1.7	6 ± 0.3	10 ± 2.7
6666.0	Toxic	Toxic	Toxic	5 ± 2.0 <sup>s</sup>	Toxic
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>2</sup>					130 ± 16.4
Positive Control <sup>3</sup>			78 ± 5.5	55 ± 7.7	
Positive Control <sup>4</sup>	1240 ± 43.0	1204 ± 57.3			

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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 ± 3.5
100.0	8 ± 0.3
333.0	9 ± 0.7
1000.0	8 ± 1.5
3333.0	8 ± 2.8
6666.0	9 ± 0.0
Trial Summary	Negative
Positive Control <sup>2</sup>	124 ± 9.6
Positive Control <sup>3</sup>	
Positive Control <sup>4</sup>	

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Test Compound: Aniline

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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>	4 ± 1.5	9 ± 1.5	7 ± 2.1	10 ± 2.4	6 ± 2.3
100.0	5 ± 0.7	7 ± 1.5	4 ± 0.3	11 ± 2.6	7 ± 1.2
333.0	5 ± 1.5	5 ± 1.2	6 ± 0.6	9 ± 2.9	5 ± 1.9
1000.0	3 ± 0.7	8 ± 1.0	6 ± 1.2	7 ± 2.0	7 ± 1.5
3333.0	8 ± 0.9	5 ± 1.2	5 ± 2.1	7 ± 0.7	5 ± 1.5
6666.0	Toxic	Toxic	5 ± 1.0 <sup>s</sup>	Toxic	Toxic
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>2</sup>					120 ± 17.0
Positive Control <sup>3</sup>			75 ± 10.8	79 ± 5.5	
Positive Control <sup>5</sup>	210 ± 40.6	350 ± 33.7			

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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>	7 ± 0.9
100.0	8 ± 2.2
333.0	10 ± 0.9
1000.0	9 ± 0.6
3333.0	8 ± 2.3
6666.0	3 ± 1.6
Trial Summary	Negative
Positive Control <sup>2</sup>	168 ± 2.0
Positive Control <sup>3</sup>	
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>	13 ± 2.0	17 ± 1.2	20 ± 1.2	26 ± 0.7	20 ± 1.8
100.0	17 ± 1.3	19 ± 5.6	24 ± 2.6	23 ± 2.5	26 ± 4.7
333.0	18 ± 0.9	23 ± 2.6	27 ± 3.1	27 ± 2.4	30 ± 1.0
1000.0	16 ± 2.1	26 ± 2.8	26 ± 2.2	29 ± 3.2	31 ± 3.0
3333.0	19 ± 2.1	16 ± 2.5	29 ± 3.2	28 ± 1.7	26 ± 4.4
6666.0	Toxic	Toxic	16 ± 5.4	26 ± 3.4	25 ± 4.5
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>2</sup>					1858 ± 21.8
Positive Control <sup>3</sup>			1475 ± 128.8	1343 ± 152.4	
Positive Control <sup>6</sup>	1937 ± 55.3	1694 ± 45.0			



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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>	32 ± 1.8
100.0	33 ± 2.7
333.0	31 ± 2.8
1000.0	35 ± 0.7
3333.0	34 ± 4.3
6666.0	34 ± 6.4
Trial Summary	Negative
Positive Control <sup>2</sup>	2050 ± 109.0
Positive Control <sup>3</sup>	
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: 0.75 ug/Plate 2-Aminoanthracene

3: 1.5 ug/Plate 2-Aminoanthracene

4: 2.5 ug/Plate Sodium Azide

5: 80.0 ug/Plate 9-Aminoacridine

6: 12.0 ug/Plate 4-Nitro-O-Phenylenediamine

s: Slight Toxicity

**\*\* END OF REPORT \*\***