

Experiment Number: 362436

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

**G06: Ames Summary Data**

Test Compound: **p-Anisidine**

CAS Number: **104-94-9**

Date Report Requested: **09/13/2018**

Time Report Requested: **20:33:28**

**NTP Study Number:**

362436

**Study Result:**

Negative

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**Strain: TA100**

<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>	89 ± 12.3	125 ± 26.3	187 ± 30.6	183 ± 4.0	163 ± 26.0
0.1	121 ± 9.3	148 ± 11.8	168 ± 35.2	185 ± 10.4	187 ± 32.7
0.33	131 ± 16.8	150 ± 17.5	187 ± 36.4	177 ± 3.2	210 ± 8.1
1.0	140 ± 8.1	142 ± 27.7	149 ± 24.7	146 ± 8.4	224 ± 8.1
3.3	135 ± 24.7	156 ± 27.9	149 ± 26.0	139 ± 13.5	205 ± 9.3
10.0	145 ± 12.3	162 ± 34.2	210 ± 29.1	165 ± 34.6	261 ± 23.5
Trial Summary	Equivocal	Negative	Negative	Negative	Equivocal
Positive Control <sup>2</sup>			529 ± 115.4	566 ± 60.8	974 ± 81.1
Positive Control <sup>3</sup>	500 ± 62.7	611 ± 52.5			

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Strain: TA100

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Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control <sup>1</sup>	194 ± 20.2
0.1	216 ± 3.7
0.33	224 ± 13.7
1.0	190 ± 38.3
3.3	209 ± 17.2
10.0	231 ± 27.2
Trial Summary	Negative
Positive Control <sup>2</sup>	817 ± 73.5
Positive Control <sup>3</sup>	

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**Strain: TA1535**

<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>	9 ± 2.0	10 ± 1.9	10 ± 1.2	10 ± 2.9	12 ± 2.5
0.1	7 ± 0.7	9 ± 1.5	11 ± 1.5	13 ± 1.2	6 ± 0.3
0.33	7 ± 1.2	7 ± 1.0	9 ± 1.2	10 ± 0.7	7 ± 1.5
1.0	7 ± 1.3	6 ± 0.3	10 ± 1.0	7 ± 2.1	6 ± 0.3
3.3	7 ± 0.3	6 ± 0.3	8 ± 1.9	8 ± 0.6	9 ± 0.3
10.0	8 ± 2.3	6 ± 1.2	12 ± 0.9	7 ± 2.4	8 ± 2.3
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>2</sup>			31 ± 4.9	38 ± 2.5	54 ± 11.7
Positive Control <sup>3</sup>	337 ± 13.1	445 ± 14.0			

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Test Compound: **p-Anisidine**

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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 ± 2.0
0.1	8 ± 2.1
0.33	8 ± 1.3
1.0	6 ± 0.7
3.3	8 ± 0.6
10.0	8 ± 1.2
Trial Summary	Negative
Positive Control <sup>2</sup>	104 ± 9.4
Positive Control <sup>3</sup>	

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Mutagenicity**G06: Ames Summary Data**

Test Compound: p-Anisidine

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**Strain: TA1537**

<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>	7 ± 2.6	6 ± 1.0	13 ± 1.5	11 ± 1.2	13 ± 1.7
0.1	6 ± 0.7	6 ± 0.7	14 ± 1.9	8 ± 2.3	11 ± 1.7
0.33	5 ± 1.0	6 ± 1.7	9 ± 1.7	15 ± 4.1	11 ± 1.2
1.0	4 ± 1.0	5 ± 1.9	14 ± 3.2	14 ± 3.1	16 ± 0.3
3.3	8 ± 0.7	7 ± 0.3	13 ± 0.9	10 ± 0.6	11 ± 1.0
10.0	4 ± 0.9	6 ± 2.1	11 ± 2.3	10 ± 1.8	10 ± 1.0
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>2</sup>			25 ± 1.8	37 ± 8.0	48 ± 11.2
Positive Control <sup>4</sup>	94 ± 5.9	253 ± 38.0			

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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>	13 ± 0.3
0.1	14 ± 3.0
0.33	13 ± 2.2
1.0	16 ± 2.0
3.3	12 ± 0.9
10.0	11 ± 0.7
Trial Summary	Negative
Positive Control <sup>2</sup>	62 ± 7.1
Positive Control <sup>4</sup>	

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## G06: Ames Summary Data

Test Compound: p-Anisidine

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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>	11 ± 2.1	18 ± 4.4	31 ± 3.2	36 ± 2.5	30 ± 3.2
0.1	16 ± 1.7	24 ± 2.1	31 ± 2.6	38 ± 2.0	27 ± 3.2
0.33	15 ± 2.8	23 ± 1.2	27 ± 1.3	33 ± 2.3	21 ± 1.5
1.0	13 ± 1.2	17 ± 3.1	33 ± 2.2	32 ± 3.2	31 ± 2.2
3.3	19 ± 2.3	21 ± 5.1	29 ± 1.7	28 ± 3.1	26 ± 1.8
10.0	16 ± 2.7	16 ± 5.0	26 ± 3.5	30 ± 0.3	26 ± 1.3
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>2</sup>			207 ± 14.4	263 ± 18.9	439 ± 74.4
Positive Control <sup>5</sup>	383 ± 34.5	514 ± 34.6			

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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 ± 2.5
0.1	29 ± 3.8
0.33	27 ± 2.5
1.0	33 ± 1.5
3.3	32 ± 2.0
10.0	29 ± 2.3
Trial Summary	Negative
Positive Control <sup>2</sup>	659 ± 24.6
Positive Control <sup>5</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: Water

2: 1.0 ug/Plate 2-Aminoanthracene

3: 3.3 ug/Plate Sodium Azide

4: 33.0 ug/Plate 9-Aminoacridine

5: 3.3 ug/Plate 4-Nitro-O-Phenylenediamine

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