

Experiment Number: 676373

Test Type: Genetic Toxicology - Bacterial  
Mutagenicity

**G06: Ames Summary Data**

Test Compound: o-Anisidine

CAS Number: 90-04-0

Date Report Requested: 09/12/2018

Time Report Requested: 06:37:03

**NTP Study Number:**

676373

**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>	111 ± 2.6	126 ± 10.0	127 ± 9.8	147 ± 14.1	141 ± 15.7
333.0	112 ± 5.1	126 ± 7.9	131 ± 5.2	181 ± 17.6	140 ± 6.2
1000.0	136 ± 8.4	142 ± 7.2	132 ± 5.5	175 ± 13.9	125 ± 6.4
3333.0	160 ± 11.6	159 ± 23.5	119 ± 3.4	178 ± 20.6	140 ± 5.7
10000.0	142 ± 5.3	138 ± 12.4	115 ± 3.0	182 ± 24.3	93 ± 9.4
10810.0	149 ± 2.9	156 ± 10.3	118 ± 11.1	156 ± 33.0	109 ± 4.6
Trial Summary	Equivocal	Negative	Negative	Negative	Negative
Positive Control <sup>2</sup>			426 ± 15.1	1083 ± 118.9	649 ± 57.9
Positive Control <sup>3</sup>	607 ± 26.6	712 ± 65.3			

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Strain: TA100

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Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control <sup>1</sup>	161 ± 9.9
333.0	149 ± 5.6
1000.0	159 ± 10.4
3333.0	169 ± 9.7
10000.0	153 ± 17.9
10810.0	159 ± 19.1
Trial Summary	Negative
Positive Control <sup>2</sup>	1758 ± 84.6
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>	6 ± 0.9	14 ± 3.0	6 ± 0.9	11 ± 2.0	6 ± 0.9
333.0	6 ± 0.7	13 ± 0.3	6 ± 0.3	14 ± 1.5	6 ± 0.3
1000.0	5 ± 0.3	11 ± 2.3	11 ± 4.9	14 ± 3.2	4 ± 0.3
3333.0	7 ± 0.3	9 ± 6.0	10 ± 1.5	9 ± 4.4	3 ± 0.0
10000.0	5 ± 0.3	9 ± 1.5	11 ± 1.0	Toxic	1 ± 0.0
10810.0	6 ± 0.9	9 ± 4.5	7 ± 0.7	Toxic	2 ± 0.3
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>2</sup>			65 ± 6.4	81 ± 5.5	76 ± 18.2
Positive Control <sup>3</sup>	586 ± 79.6	529 ± 117.5			

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Strain: TA1535

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Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control <sup>1</sup>	15 ± 2.7
333.0	14 ± 1.5
1000.0	14 ± 2.6
3333.0	7 ± 1.0
10000.0	3 ± 1.5
10810.0	5 ± 0.0
Trial Summary	Negative
Positive Control <sup>2</sup>	63 ± 5.5
Positive Control <sup>3</sup>	

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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 ± 2.1	12 ± 4.3	7 ± 0.9	10 ± 1.7	8 ± 1.5
333.0	7 ± 0.6	8 ± 0.6	11 ± 0.3	13 ± 1.3	8 ± 2.3
1000.0	9 ± 1.7	11 ± 2.1	8 ± 0.7	14 ± 1.5	6 ± 1.2
3333.0	5 ± 1.0	8 ± 1.5	8 ± 0.7	15 ± 2.2	7 ± 2.3
10000.0	6 ± 1.5	8 ± 0.5	6 ± 0.6	12 ± 3.0	5 ± 0.3
10810.0	11 ± 2.7	11 ± 1.5	2 ± 0.3	12 ± 8.5	4 ± 0.3
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>2</sup>			45 ± 3.2	329 ± 44.3	54 ± 16.2
Positive Control <sup>4</sup>	91 ± 21.2	1297 ± 54.7			

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Strain: TA1537

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Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control <sup>1</sup>	10 ± 1.9
333.0	17 ± 3.5
1000.0	15 ± 3.7
3333.0	Toxic
10000.0	8 ± 1.5
10810.0	14 ± 4.5
Trial Summary	Negative
Positive Control <sup>2</sup>	405 ± 18.2
Positive Control <sup>4</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>	12 ± 1.2	13 ± 0.9	17 ± 4.0	23 ± 3.8	23 ± 1.5
333.0	12 ± 0.7	15 ± 1.5	20 ± 3.2	24 ± 1.7	24 ± 0.5
1000.0	7 ± 0.9	16 ± 4.7	18 ± 1.0	26 ± 1.7	12 ± 0.9
3333.0	12 ± 0.9	14 ± 0.6	24 ± 0.9	27 ± 2.6	14 ± 1.2
10000.0	12 ± 0.3	12 ± 4.1	23 ± 1.3	18 ± 4.2	16 ± 0.3
10810.0	11 ± 0.3	10 ± 0.9	18 ± 1.9	22 ± 2.5	14 ± 3.2
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>2</sup>			481 ± 60.2	124 ± 3.7	848 ± 58.2
Positive Control <sup>5</sup>	219 ± 30.6	472 ± 23.4			



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Strain: TA98

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Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control <sup>1</sup>	24 ± 0.7
333.0	25 ± 0.3
1000.0	22 ± 4.3
3333.0	18 ± 3.7
10000.0	14 ± 4.5
10810.0	16 ± 2.2
Trial Summary	Negative
Positive Control <sup>2</sup>	132 ± 4.1
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: Dimethyl Sulfoxide

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 \*\*