

Experiment Number: 695962

Test Type: Genetic Toxicology - Bacterial  
Mutagenicity

**G06: Ames Summary Data**

Test Compound: o-Anisidine

CAS Number: 90-04-0

Date Report Requested: 09/11/2018

Time Report Requested: 18:18:38

**NTP Study Number:**

695962

**Study Result:**

Positive

Experiment Number: 695962

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Mutagenicity

## G06: Ames Summary Data

Test Compound: o-Anisidine

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## Strain: TA100

Dose (ug/Plate)	Without S9	With 30% Rat S9	With 30% Rat S9	With 30% Hamster S9	With 30% Hamster S9
Vehicle Control <sup>1</sup>	92 ± 7.6	100 ± 6.1	103 ± 4.8	87 ± 3.8	129 ± 3.7
10.0		115 ± 2.6	121 ± 17.8	105 ± 5.9	174 ± 7.2
33.0	91 ± 4.1	106 ± 8.1	153 ± 12.7	206 ± 7.8	228 ± 11.8
100.0	90 ± 1.5	128 ± 6.1	153 ± 7.2	280 ± 22.7	394 ± 16.7
333.0	93 ± 4.2	203 ± 15.1	214 ± 10.9	357 ± 12.7	412 ± 12.9
1000.0	104 ± 5.0	235 ± 14.3	255 ± 11.6	280 ± 19.5	263 ± 6.4
3333.0	97 ± 7.8 <sup>s</sup>				
Trial Summary	Negative	Positive	Positive	Positive	Positive
Positive Control <sup>2</sup>	385 ± 16.6				
Positive Control <sup>3</sup>				770 ± 9.0	862 ± 17.7
Positive Control <sup>4</sup>		664 ± 39.0	1020 ± 23.6		

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Strain: TA98

Dose (ug/Plate)	Without S9	With 30% Rat S9	With 30% Rat S9	With 30% Hamster S9	With 30% Hamster S9
Vehicle Control <sup>1</sup>	14 ± 2.2	27 ± 1.5	37 ± 2.3	26 ± 0.6	48 ± 4.4
10.0		28 ± 4.4	35 ± 1.2	30 ± 1.5	40 ± 4.9
33.0	17 ± 1.8	28 ± 5.8	35 ± 1.3	36 ± 2.5	39 ± 3.0
100.0	13 ± 0.6	35 ± 4.9	39 ± 4.3	39 ± 3.9	65 ± 1.2
333.0	18 ± 3.9	44 ± 0.9	65 ± 3.7	66 ± 4.4	89 ± 5.6
1000.0	12 ± 0.3	83 ± 6.2	97 ± 11.3	56 ± 4.7	68 ± 5.2
3333.0	12 ± 1.5				
Trial Summary	Negative	Weakly Positive	Weakly Positive	Positive	Weakly Positive
Positive Control <sup>5</sup>				103 ± 3.4	172 ± 10.6
Positive Control <sup>3</sup>		197 ± 7.2	258 ± 9.2		
Positive Control <sup>6</sup>	222 ± 28.6				

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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: 0.5 ug/Plate Sodium Azide

3: 1.0 ug/Plate 2-Aminoanthracene

4: 2.0 ug/Plate 2-Aminoanthracene

5: 0.4 ug/Plate 2-Aminoanthracene

6: 1.0 ug/Plate 4-Nitro-O-Phenylenediamine

s: Slight Toxicity

\*\* END OF REPORT \*\*