

Experiment Number: 336322

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

**G06: Ames Summary Data**

Test Compound: **N-Nitrosopiperidine**

CAS Number: **100-75-4**

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

Time Report Requested: **22:24:26**

**NTP Study Number:**

336322

**Study Result:**

Positive

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**Strain: TA100**

Dose (ug/Plate)	Without S9	With 10% Rat S9	With 10% Hamster S9	With 10% Hamster S9
Vehicle Control <sup>1</sup>	91 ± 5.0	121 ± 10.7	142 ± 5.5	186 ± 7.8
33.0				1094 ± 52.9
100.0	89 ± 8.0	123 ± 2.2	251 ± 14.7	1737 ± 25.2
333.0	102 ± 8.2	115 ± 4.2	258 ± 5.0	2263 ± 44.4
1000.0	91 ± 2.6	130 ± 13.5	350 ± 26.5	2593 ± 18.3
3333.0	101 ± 3.5	117 ± 10.7	313 ± 22.8	2456 ± 21.3
10000.0	Toxic	Toxic	Toxic	
Trial Summary	Negative	Negative	Positive	Positive
Positive Control <sup>2</sup>		2369 ± 106.5	1901 ± 115.0	1402 ± 120.4
Positive Control <sup>3</sup>	1294 ± 84.2			

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## Strain: TA1535

Dose (ug/Plate)	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9	With 10% Hamster S9
Vehicle Control <sup>1</sup>	14 ± 2.1	12 ± 2.3	14 ± 5.2	15 ± 1.2	22 ± 4.1
3.3					76 ± 7.0
10.0					223 ± 6.4
33.0					319 ± 31.9
100.0	10 ± 2.0	14 ± 1.2	31 ± 8.4	84 ± 5.4	913 ± 36.0
333.0	9 ± 1.2	14 ± 1.5	37 ± 5.8	110 ± 1.2	1241 ± 122.2
1000.0	11 ± 1.7	38 ± 2.6	183 ± 7.2	157 ± 21.4	
3333.0	12 ± 1.3	39 ± 6.7	188 ± 13.0	157 ± 0.9	
10000.0	11 ± 2.1	83 ± 5.3	204 ± 19.8	98 ± 11.9	
Trial Summary	Negative	Positive	Positive	Positive	Positive
Positive Control <sup>4</sup>		168 ± 7.5	85 ± 20.6	139 ± 8.8	218 ± 25.3
Positive Control <sup>3</sup>	1253 ± 8.7				

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## Strain: TA1537

Dose (ug/Plate)	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Rat S9	With 10% Rat S9
Vehicle Control <sup>1</sup>	8 ± 1.7	14 ± 0.0	9 ± 1.2	5 ± 0.3	20 ± 3.1
33.0			12 ± 1.3	14 ± 1.5	24 ± 3.0
100.0	11 ± 2.1	17 ± 1.9	9 ± 0.7	18 ± 3.8	25 ± 3.2
333.0	10 ± 0.7	18 ± 2.0	16 ± 0.9	15 ± 1.9	27 ± 0.9
1000.0	8 ± 0.3	20 ± 1.2	11 ± 1.5	19 ± 2.9	22 ± 1.8
3333.0	7 ± 0.7	14 ± 1.5	8 ± 0.9	22 ± 4.6	17 ± 1.7
10000.0	9 ± 1.3	Toxic			
Trial Summary	Negative	Negative	Negative	Equivocal	Negative
Positive Control <sup>4</sup>		490 ± 31.9	351 ± 49.3	339 ± 9.5	759 ± 11.0
Positive Control <sup>5</sup>	96 ± 30.3				

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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>	18 ± 0.7
33.0	
100.0	14 ± 1.7
333.0	14 ± 2.2
1000.0	14 ± 2.6
3333.0	14 ± 2.7
10000.0	14 ± 2.2
Trial Summary	Negative
Positive Control <sup>4</sup>	244 ± 13.0
Positive Control <sup>5</sup>	

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**Strain: TA98**

Dose (ug/Plate)	Without S9	Without S9	Without S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control <sup>1</sup>	17 ± 1.5	27 ± 4.2	25 ± 2.9	25 ± 4.9	25 ± 5.0
33.0		31 ± 3.8	22 ± 2.6		
100.0	20 ± 4.0	30 ± 1.2	21 ± 2.7	28 ± 0.7	22 ± 0.9
333.0	22 ± 1.5	29 ± 1.5	25 ± 3.4	30 ± 4.2	25 ± 1.5
1000.0	23 ± 1.8	29 ± 4.5	24 ± 5.0	26 ± 2.0	25 ± 2.8
3333.0	18 ± 1.5	27 ± 3.8	26 ± 2.6	25 ± 1.8	23 ± 1.2
10000.0	15 ± 3.5			Toxic	Toxic
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>2</sup>				1991 ± 203.1	1191 ± 111.7
Positive Control <sup>6</sup>	148 ± 4.6	291 ± 34.7	385 ± 27.4		

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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: 2.0 ug/Plate 2-Aminoanthracene

5: 33.0 ug/Plate 9-Aminoacridine

6: 3.3 ug/Plate 4-Nitro-O-Phenylenediamine

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