

Experiment Number: 550178

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

G06: Ames Summary Data

Test Compound: **N-Nitrosopiperidine**

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

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

Time Report Requested: **17:54:22**

NTP Study Number:

550178

Study Result:

Positive

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Mutagenicity****G06: Ames Summary Data**Test Compound: **N-Nitrosopiperidine**CAS Number: **100-75-4**Date Report Requested: **09/13/2018**Time Report Requested: **17:54:22****Strain: TA100**

Dose (ug/Plate)	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9	With 10% Hamster S9
Vehicle Control ¹	101 ± 4.7	118 ± 2.0	151 ± 15.4	146 ± 9.0	161 ± 9.6
100.0	104 ± 3.1	149 ± 6.9		166 ± 9.3	
333.0	111 ± 7.0	151 ± 12.0		193 ± 11.9	
1000.0	92 ± 2.7	187 ± 6.7	244 ± 5.9	390 ± 11.9	597 ± 113.7
1667.0			333 ± 51.1		600 ± 59.5
3333.0	106 ± 2.0	285 ± 18.8	407 ± 35.5	501 ± 38.0	704 ± 109.3
6667.0			375 ± 12.3		724 ± 98.9
10600.0	65 ± 5.2	279 ± 26.3	403 ± 25.4	466 ± 44.5	702 ± 95.6
Trial Summary	Negative	Positive	Positive	Positive	Positive
Positive Control ²		2067 ± 57.2	2321 ± 87.8	1855 ± 303.9	2304 ± 284.3
Positive Control ³	832 ± 7.5				

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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 ¹	3 ± 0.3	5 ± 0.6	6 ± 2.4	7 ± 1.8	15 ± 7.2
100.0	3 ± 0.9	8 ± 1.2	22 ± 0.6	15 ± 1.5	171 ± 20.3
333.0	6 ± 1.0	9 ± 1.2	34 ± 5.5	34 ± 2.0	275 ± 12.1
1000.0	7 ± 1.5	31 ± 5.5	88 ± 4.9	156 ± 11.1	409 ± 41.2
3333.0	5 ± 1.0	94 ± 12.7	195 ± 24.4	334 ± 23.6	660 ± 31.3
10600.0	3 ± 0.3	173 ± 40.7	285 ± 11.3	410 ± 90.7	631 ± 72.6
Trial Summary	Negative	Positive	Positive	Positive	Positive
Positive Control ²		204 ± 25.4	342 ± 20.0	99 ± 7.1	302 ± 72.1
Positive Control ³	338 ± 34.9				

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Strain: TA1537

Dose (ug/Plate)	Without S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	2 ± 0.7	7 ± 0.9	8 ± 0.3
100.0	6 ± 0.3	2 ± 1.5	8 ± 2.9
333.0	5 ± 0.3	7 ± 0.9	6 ± 2.3
1000.0	6 ± 0.9	7 ± 1.2	7 ± 0.6
3333.0	3 ± 0.7	8 ± 1.2	12 ± 1.7
10600.0	2 ± 0.3	5 ± 1.2	7 ± 2.0
Trial Summary	Negative	Negative	Negative
Positive Control ²		138 ± 5.8	152 ± 11.9
Positive Control ⁴	574 ± 281.8		

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Mutagenicity****G06: Ames Summary Data**Test Compound: **N-Nitrosopiperidine**CAS Number: **100-75-4**Date Report Requested: **09/13/2018**Time Report Requested: **17:54:22****Strain: TA98**

Dose (ug/Plate)	Without S9	With 10% Rat S9	With 10% Hamster S9	With 10% Hamster S9
Vehicle Control ¹	12 ± 1.5	28 ± 2.9	22 ± 3.3	27 ± 2.3
100.0	16 ± 1.5	26 ± 0.9	21 ± 1.9	
333.0	19 ± 0.3	27 ± 3.5	24 ± 1.7	
1000.0	18 ± 2.6	28 ± 3.8	27 ± 3.8	31 ± 2.1
1667.0				32 ± 2.6
3333.0	22 ± 1.5	32 ± 0.9	31 ± 1.0	35 ± 2.6
6667.0				41 ± 3.8
10600.0	5 ± 0.0	34 ± 2.5	32 ± 1.5	36 ± 2.6
Trial Summary	Negative	Negative	Equivocal	Equivocal
Positive Control ²		1591 ± 67.0	989 ± 161.4	1595 ± 202.1
Positive Control ⁵	330 ± 28.1			

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LEGEND

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 ****