

Experiment Number: 455107

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

G06: Ames Summary Data

Test Compound: **N-Nitrosopiperidine**

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

Date Report Requested: **09/11/2018**

Time Report Requested: **04:11:52**

NTP Study Number:

455107

Study Result:

Positive

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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	130 ± 9.8	158 ± 6.2	133 ± 4.3	179 ± 9.9	144 ± 4.7
1.0					138 ± 5.5
10.0					172 ± 15.0
100.0	143 ± 3.2	168 ± 4.2	129 ± 7.2	477 ± 128.2	617 ± 40.9
333.0	139 ± 7.8	172 ± 1.2	134 ± 7.8	605 ± 50.3	906 ± 41.4
1000.0	129 ± 10.4	222 ± 7.5	152 ± 10.8	876 ± 64.1	1241 ± 51.0
3333.0	139 ± 8.7	359 ± 27.3	186 ± 10.3	1059 ± 32.0	
10000.0	138 ± 6.7	398 ± 39.0	203 ± 11.6	752 ± 165.9	
Trial Summary	Negative	Positive	Positive	Positive	Positive
Positive Control ²		1079 ± 36.4	688 ± 12.7	2409 ± 23.4	1121 ± 67.6
Positive Control ³	465 ± 21.5				

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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	12 ± 4.1	9 ± 2.7	5 ± 1.0	13 ± 0.0	10 ± 2.6
1.0					6 ± 0.9
10.0					20 ± 2.6
100.0	16 ± 4.7	9 ± 1.7	5 ± 1.8	226 ± 95.1	104 ± 3.9
333.0	16 ± 1.7	25 ± 3.8	11 ± 2.6	473 ± 60.1	222 ± 7.1
1000.0	11 ± 2.8	58 ± 3.7	14 ± 0.6	629 ± 23.7	436 ± 32.5
3333.0	13 ± 1.3	164 ± 3.2	31 ± 6.5	844 ± 58.3	
10000.0	20 ± 2.0	167 ± 26.4	37 ± 4.0	489 ± 77.5	
Trial Summary	Negative	Positive	Positive	Positive	Positive
Positive Control ³	294 ± 30.5				
Positive Control ⁴		225 ± 18.5	103 ± 14.3	514 ± 7.3	179 ± 5.7

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Strain: TA1537

Dose (ug/Plate)	Without S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	5 ± 2.2	6 ± 2.1	6 ± 0.6
100.0	6 ± 1.5	11 ± 2.0	9 ± 2.8
333.0	7 ± 2.6	10 ± 2.2	11 ± 1.5
1000.0	6 ± 1.2	6 ± 1.0	13 ± 0.7
3333.0	7 ± 1.2	9 ± 1.9	11 ± 1.8
10000.0	8 ± 0.3	7 ± 2.9	6 ± 0.3
Trial Summary	Negative	Negative	Negative
Positive Control ⁴		269 ± 5.2	657 ± 18.8
Positive Control ⁵	330 ± 31.5		

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Strain: TA98

Dose (ug/Plate)	Without S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	19 ± 1.5	26 ± 6.1	26 ± 5.3
100.0	17 ± 1.3	21 ± 2.6	25 ± 3.2
333.0	23 ± 3.5	27 ± 5.2	29 ± 3.7
1000.0	20 ± 3.2	22 ± 3.3	31 ± 3.3
3333.0	21 ± 4.8	26 ± 3.8	44 ± 2.5
10000.0	24 ± 1.7	24 ± 3.4	23 ± 3.6
Trial Summary	Negative	Negative	Equivocal
Positive Control ²		697 ± 40.5	1884 ± 71.5
Positive Control ⁶	793 ± 43.1		

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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: Dimethyl Sulfoxide

2: 1.0 ug/Plate 2-Aminoanthracene

3: 1.0 ug/Plate Sodium Azide

4: 2.5 ug/Plate 2-Aminoanthracene

5: 50.0 ug/Plate 9-Aminoacridine

6: 5.0 ug/Plate 4-Nitro-O-Phenylenediamine

**** END OF REPORT ****