

Experiment Number: 553496

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: **21:34:13**

NTP Study Number:

553496

Study Result:

Positive

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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: 21:34:13

Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	162 ± 0.6	128 ± 4.1	140 ± 10.0	143 ± 7.2	170 ± 9.2
3.3					
33.0					
100.0	160 ± 8.4	126 ± 12.3	158 ± 8.7	136 ± 5.2	822 ± 70.6
333.0	138 ± 2.8	114 ± 5.6	146 ± 3.9	169 ± 3.1	1599 ± 101.8
1000.0	151 ± 3.7	140 ± 11.8	178 ± 6.7	278 ± 13.5	3208 ± 129.4
3333.0	161 ± 2.3	136 ± 6.3	245 ± 5.9	358 ± 20.7	3528 ± 44.0
10000.0	163 ± 7.7	153 ± 5.5	341 ± 7.4	471 ± 72.5	4136 ± 68.1
Trial Summary	Negative	Negative	Weakly Positive	Positive	Positive
Positive Control ²					1108 ± 43.1
Positive Control ³			1095 ± 25.7	892 ± 54.2	
Positive Control ⁴	1547 ± 45.5	1354 ± 56.9			

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Strain: TA100

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	140 ± 5.9
3.3	160 ± 7.5
33.0	281 ± 13.5
100.0	
333.0	1105 ± 97.2
1000.0	1331 ± 75.1
3333.0	
10000.0	2456 ± 51.5
Trial Summary	Positive
Positive Control ²	1063 ± 136.0
Positive Control ³	
Positive Control ⁴	

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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: **21:34:13****Strain: TA1535**

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	33 ± 3.7	20 ± 1.3	17 ± 4.0	11 ± 2.6	27 ± 2.7
3.3					
33.0					
100.0	32 ± 1.5	27 ± 2.3	28 ± 0.6	16 ± 3.5	695 ± 14.9
333.0	34 ± 4.7	24 ± 3.5	35 ± 2.9	27 ± 2.4	1333 ± 30.3
1000.0	30 ± 1.9	30 ± 2.8	63 ± 4.1	66 ± 4.0	2459 ± 12.2
3333.0	38 ± 1.5	26 ± 1.2	122 ± 0.9	133 ± 6.0	3136 ± 78.1
10000.0	41 ± 5.0	27 ± 0.3	203 ± 5.0	162 ± 61.2	3583 ± 48.0
Trial Summary	Negative	Negative	Positive	Positive	Positive
Positive Control ²					123 ± 0.9
Positive Control ³			102 ± 6.3	77 ± 8.0	
Positive Control ⁴	1442 ± 27.2	1091 ± 61.4			

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Test Compound: **N-Nitrosopiperidine**

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

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Strain: TA1535

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	12 ± 1.9
3.3	27 ± 3.5
33.0	171 ± 4.1
100.0	
333.0	804 ± 36.0
1000.0	1004 ± 21.2
3333.0	
10000.0	2055 ± 35.2
Trial Summary	Positive
Positive Control ²	112 ± 6.9
Positive Control ³	
Positive Control ⁴	

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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

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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 ¹	5 ± 0.9	4 ± 0.9	9 ± 1.2	7 ± 0.9	6 ± 1.2
100.0	6 ± 1.3	8 ± 2.3	7 ± 0.9	5 ± 1.2	9 ± 0.9
333.0	8 ± 0.3	5 ± 1.2	8 ± 2.9	7 ± 1.2	10 ± 1.2
1000.0	5 ± 0.7	7 ± 2.1	10 ± 0.6	9 ± 1.9	16 ± 1.5
3333.0	5 ± 0.9	7 ± 1.2	8 ± 1.5	7 ± 0.7	18 ± 1.3
10000.0	9 ± 0.9	8 ± 1.2	11 ± 0.7	7 ± 1.3	20 ± 0.6
Trial Summary	Negative	Negative	Negative	Negative	Weakly Positive
Positive Control ²					95 ± 11.7
Positive Control ³			83 ± 3.5	56 ± 6.8	
Positive Control ⁵	453 ± 65.7	105 ± 3.5			

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Strain: TA1537

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	7 ± 0.9
100.0	4 ± 0.3
333.0	9 ± 1.2
1000.0	9 ± 2.6
3333.0	10 ± 0.9
10000.0	13 ± 1.8
Trial Summary	Negative
Positive Control ²	98 ± 2.0
Positive Control ³	
Positive Control ⁵	

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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 ¹	16 ± 1.5	16 ± 3.2	27 ± 0.3	25 ± 4.4	27 ± 5.5
100.0	19 ± 4.2	17 ± 1.3	29 ± 2.0	21 ± 1.8	27 ± 3.2
333.0	17 ± 1.5	13 ± 2.4	27 ± 1.3	22 ± 1.7	40 ± 6.4
1000.0	17 ± 1.5	17 ± 2.6	24 ± 1.2	23 ± 4.4	67 ± 6.6
3333.0	25 ± 0.7	17 ± 1.2	29 ± 0.7	23 ± 3.1	96 ± 8.2
10000.0	21 ± 4.5	21 ± 0.6	26 ± 4.4	28 ± 4.0	107 ± 16.8
Trial Summary	Negative	Negative	Negative	Negative	Positive
Positive Control ²					433 ± 9.0
Positive Control ³			540 ± 45.3	435 ± 16.6	
Positive Control ⁶	1983 ± 27.4	1015 ± 40.1			

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Strain: TA98

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	30 ± 5.4
100.0	29 ± 3.2
333.0	35 ± 6.4
1000.0	51 ± 3.1
3333.0	55 ± 6.4
10000.0	91 ± 7.8
Trial Summary	Positive
Positive Control ²	747 ± 5.6
Positive Control ³	
Positive Control ⁶	

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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: 0.75 ug/Plate 2-Aminoanthracene

3: 1.5 ug/Plate 2-Aminoanthracene

4: 2.5 ug/Plate Sodium Azide

5: 80.0 ug/Plate 9-Aminoacridine

6: 12.0 ug/Plate 4-Nitro-O-Phenylenediamine

**** END OF REPORT ****