

Experiment Number: 569172

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

G06: Ames Summary Data

Test Compound: **1-Nitropropane**

CAS Number: **108-03-2**

Date Report Requested: **09/14/2018**

Time Report Requested: **04:36:48**

NTP Study Number:

569172

Study Result:

Negative

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Test Type: **Genetic Toxicology - Bacterial
Mutagenicity****G06: Ames Summary Data**Test Compound: **1-Nitropropane**CAS Number: **108-03-2**Date Report Requested: **09/14/2018**Time Report Requested: **04:36:48****Strain: TA100**

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	101 ± 10.3	147 ± 16.1	140 ± 13.9	275 ± 7.9	140 ± 6.6
100.0	110 ± 6.7	152 ± 4.3	162 ± 5.7	252 ± 13.0	202 ± 15.6
333.0	127 ± 4.5	197 ± 13.5	157 ± 3.3	244 ± 14.1	148 ± 4.2
1000.0	101 ± 3.6	144 ± 11.4	188 ± 36.0	268 ± 3.5	168 ± 6.7
3333.0	100 ± 2.3	127 ± 12.1	145 ± 4.3	226 ± 16.8	138 ± 5.9
9770.0	96 ± 2.3	135 ± 4.5	120 ± 4.5	142 ± 13.0	103 ± 2.4
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²			2385 ± 59.8	2796 ± 335.9	2642 ± 45.6
Positive Control ³	546 ± 15.0	715 ± 106.6			

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Strain: TA100

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	280 ± 4.9
100.0	262 ± 11.9
333.0	276 ± 40.5
1000.0	257 ± 21.4
3333.0	228 ± 17.5
9770.0	157 ± 5.5
Trial Summary	Negative
Positive Control ²	2383 ± 293.4
Positive Control ³	

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Mutagenicity****G06: Ames Summary Data**Test Compound: **1-Nitropropane**CAS Number: **108-03-2**Date Report Requested: **09/14/2018**Time Report Requested: **04:36:48****Strain: TA1535**

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	7 ± 1.0	5 ± 1.5	10 ± 1.9	7 ± 1.8	9 ± 1.5
100.0	7 ± 1.2	4 ± 0.6	7 ± 2.6	5 ± 0.9	7 ± 1.2
333.0	7 ± 1.8	6 ± 0.6	13 ± 1.9	6 ± 2.3	8 ± 2.6
1000.0	5 ± 0.6	4 ± 0.9	8 ± 2.6	8 ± 0.9	9 ± 1.0
3333.0	8 ± 0.3	6 ± 0.6	8 ± 2.3	5 ± 1.0	11 ± 1.9
9770.0	4 ± 0.6	4 ± 0.7	9 ± 0.7	7 ± 1.2	16 ± 1.5
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²			78 ± 20.2	122 ± 12.1	107 ± 11.9
Positive Control ³	259 ± 6.5	351 ± 40.6			

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Date Report Requested: **09/14/2018**
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Strain: TA1535

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	8 ± 1.8
100.0	5 ± 0.9
333.0	4 ± 1.5
1000.0	7 ± 1.0
3333.0	9 ± 0.3
9770.0	9 ± 3.2
Trial Summary	Negative
Positive Control ²	86 ± 4.2
Positive Control ³	

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Test Type: Genetic Toxicology - Bacterial
Mutagenicity**G06: Ames Summary Data**

Test Compound: 1-Nitropropane

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Date Report Requested: 09/14/2018

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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	3 ± 0.6	2 ± 0.6	10 ± 1.7	6 ± 1.9	10 ± 2.4
100.0	4 ± 0.0	2 ± 0.7	10 ± 0.6	3 ± 1.5	10 ± 1.2
333.0	9 ± 0.3	3 ± 1.5	7 ± 0.3	5 ± 0.7	8 ± 0.7
1000.0	8 ± 0.3	3 ± 1.0	9 ± 0.6	7 ± 1.0	11 ± 0.9
3333.0	7 ± 0.3	3 ± 1.5	6 ± 1.8	5 ± 0.7	11 ± 0.7
9770.0	4 ± 0.0	2 ± 0.7	11 ± 4.0	6 ± 0.9	7 ± 0.5
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²			24 ± 1.5	119 ± 17.1	98 ± 9.8
Positive Control ⁴	307 ± 112.7	503 ± 137.7			

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CAS Number: **108-03-2**

Date Report Requested: **09/14/2018**
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Strain: TA1537

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	7 ± 1.3
100.0	6 ± 0.6
333.0	4 ± 1.2
1000.0	5 ± 1.8
3333.0	5 ± 1.5
9770.0	4 ± 0.3
Trial Summary	Negative
Positive Control ²	116 ± 15.1
Positive Control ⁴	

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Test Type: **Genetic Toxicology - Bacterial Mutagenicity****G06: Ames Summary Data**Test Compound: **1-Nitropropane**CAS Number: **108-03-2**Date Report Requested: **09/14/2018**Time Report Requested: **04:36:48****Strain: TA98**

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	20 ± 2.9	15 ± 2.6	28 ± 3.5	24 ± 1.9	24 ± 2.3
100.0	12 ± 1.0	11 ± 1.5	22 ± 1.9	20 ± 2.4	21 ± 1.3
333.0	14 ± 0.3	12 ± 1.3	19 ± 0.6	18 ± 0.9	17 ± 3.8
1000.0	16 ± 0.7	16 ± 2.3	22 ± 3.0	20 ± 0.9	21 ± 0.7
3333.0	12 ± 2.1	14 ± 3.7	19 ± 1.9	20 ± 1.5	24 ± 1.7
9770.0	14 ± 2.4	15 ± 2.6	31 ± 2.2	27 ± 3.2	23 ± 1.9
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²			2369 ± 73.1	1163 ± 53.8	2294 ± 74.7
Positive Control ⁵	250 ± 16.4	243 ± 29.8			

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Strain: TA98

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	23 ± 0.7
100.0	19 ± 1.0
333.0	22 ± 3.5
1000.0	22 ± 1.9
3333.0	21 ± 2.5
9770.0	22 ± 2.9
Trial Summary	Negative
Positive Control ²	1528 ± 63.2
Positive Control ⁵	

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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: 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 ****