

Experiment Number: 699655

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: p-Nitrobenzoic acid

CAS Number: 62-23-7

Date Report Requested: 09/11/2018

Time Report Requested: 18:36:34

NTP Study Number:

699655

Study Result:

Positive

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Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Rat S9
Vehicle Control ¹	98 ± 5.8	106 ± 13.9	130 ± 10.5	163 ± 5.2	133 ± 10.2
3.3		95 ± 15.6			
10.0	83 ± 4.4	121 ± 9.6		168 ± 3.7	116 ± 8.2
33.0	126 ± 6.1	118 ± 6.7	164 ± 12.1	182 ± 9.2	126 ± 1.2
100.0	169 ± 12.8	146 ± 7.8	232 ± 17.1	224 ± 9.0	169 ± 5.8
333.0	Toxic	283 ± 19.3	274 ± 9.5	351 ± 15.6	227 ± 2.7
1000.0	Toxic		Toxic	501 ± 19.4	401 ± 26.5
3333.0			17 ± 7.2		
Trial Summary	Weakly Positive	Positive	Positive	Positive	Positive
Positive Control ²			1675 ± 99.1	2329 ± 49.4	2086 ± 106.3
Positive Control ³	1417 ± 47.1	765 ± 76.9			

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Strain: TA100

Dose (ug/Plate)	With 10% Hamster S9	With 10% Hamster S9	With 10% Hamster S9
Vehicle Control ¹	144 ± 11.5	140 ± 7.8	146 ± 14.4
3.3			
10.0		159 ± 11.0	86 ± 5.8
33.0	214 ± 17.2	173 ± 7.6	109 ± 12.0
100.0	241 ± 13.8	228 ± 5.9	151 ± 16.2
333.0	329 ± 7.4	321 ± 17.0	244 ± 5.6
1000.0	Toxic	542 ± 29.7	373 ± 65.2
3333.0	5 ± 2.9		
Trial Summary	Positive	Positive	Positive
Positive Control ²	1987 ± 60.5	1688 ± 111.4	1314 ± 35.7
Positive Control ³			

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Strain: TA1535

Dose (ug/Plate)	Without S9	With 10% Rat S9	With 10% Hamster S9	With 10% Hamster S9
Vehicle Control ¹	11 ± 1.2	11 ± 0.7	16 ± 0.9	8 ± 0.7
3.3				6 ± 1.3
10.0	5 ± 1.3			5 ± 1.5
33.0	7 ± 0.7	16 ± 1.2	14 ± 1.2	7 ± 0.9
100.0	9 ± 0.7	15 ± 0.9	17 ± 1.5	8 ± 1.2
333.0	7 ± 1.8	4 ± 0.9	3 ± 0.7	7 ± 1.2
1000.0	5 ± 1.5	2 ± 1.5	1 ± 1.0	
3333.0		0 ± 0.0	0 ± 0.0	
Trial Summary	Negative	Negative	Negative	Negative
Positive Control ⁴		115 ± 13.2	145 ± 9.7	148 ± 12.8
Positive Control ³	319 ± 66.5			

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Test Compound: p-Nitrobenzoic acid

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Strain: TA1537

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	8 ± 1.2	6 ± 0.9	14 ± 0.7	18 ± 0.9
1.0		4 ± 1.5		
3.3		5 ± 0.9		
10.0	10 ± 0.7	5 ± 2.7		
33.0	5 ± 1.7	5 ± 0.6	14 ± 3.0	14 ± 0.6
100.0	8 ± 0.3	6 ± 0.9	16 ± 1.5	17 ± 2.3
333.0	0 ± 0.3		10 ± 3.9	15 ± 0.3
1000.0	1 ± 0.6		3 ± 1.7	10 ± 0.9
3333.0			1 ± 0.3	4 ± 0.7
Trial Summary	Negative	Negative	Negative	Negative
Positive Control ⁴			323 ± 44.3	335 ± 42.9
Positive Control ⁵	228 ± 35.3	166 ± 75.8		

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Test Type: **Genetic Toxicology - Bacterial
Mutagenicity**Test Compound: **p-Nitrobenzoic acid**

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CAS Number: 62-23-7

Strain: TA98

Dose (ug/Plate)	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9	With 10% Hamster S9
Vehicle Control ¹	21 ± 1.2	16 ± 2.0	14 ± 0.3	28 ± 1.2	17 ± 4.7
3.3			18 ± 2.6		22 ± 0.9
10.0	25 ± 4.0		25 ± 5.2		18 ± 2.0
33.0	22 ± 2.9	24 ± 2.9	24 ± 3.1	30 ± 1.5	20 ± 2.2
100.0	22 ± 0.3	20 ± 6.5	14 ± 0.3	25 ± 5.8	20 ± 4.0
333.0	21 ± 0.9	8 ± 2.0	19 ± 3.5	20 ± 3.3	18 ± 3.6
1000.0	16 ± 0.3	10 ± 2.9		19 ± 3.8	
3333.0		17 ± 3.0		18 ± 1.8	
Trial Summary	Negative	Negative	Equivocal	Negative	Negative
Positive Control ²		1837 ± 135.5	1793 ± 49.9	1484 ± 80.3	1323 ± 73.5
Positive Control ⁶	535 ± 50.4				

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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: 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 ****