

Experiment Number: 306709

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: o-Nitrophenol

CAS Number: 88-75-5

Date Report Requested: 09/12/2018

Time Report Requested: 03:29:47

NTP Study Number:

306709

Study Result:

Negative

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Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	70 ± 10.2	130 ± 5.0	93 ± 6.7	159 ± 11.9	95 ± 4.7
10.0		117 ± 5.7		168 ± 3.0	
33.0	74 ± 10.4	109 ± 2.9	96 ± 8.3	166 ± 13.5	93 ± 8.7
100.0	69 ± 3.5	109 ± 4.2	99 ± 5.4	149 ± 13.5	94 ± 2.5
333.0	57 ± 4.4	84 ± 3.8	84 ± 8.7	108 ± 4.5	76 ± 4.4
1000.0	Toxic	13 ± 5.2	34 ± 9.2	10 ± 5.0	18 ± 5.5
3333.0	0 ± 0.0		0 ± 0.0		0 ± 0.0
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²			895 ± 120.9	1905 ± 129.3	1609 ± 241.2
Positive Control ³	633 ± 78.4	775 ± 89.5			

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Strain: TA100

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	169 ± 5.8
10.0	170 ± 3.5
33.0	181 ± 2.0
100.0	176 ± 3.3
333.0	101 ± 4.5
1000.0	17 ± 3.2
3333.0	
Trial Summary	Negative
Positive Control ²	1693 ± 62.1
Positive Control ³	

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Strain: TA1535

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	6 ± 0.9	25 ± 3.2	6 ± 0.9	25 ± 1.7	7 ± 0.3
3.3		25 ± 2.7		26 ± 4.9	
10.0		23 ± 0.9		29 ± 6.2	
33.0	6 ± 2.7	20 ± 0.9	8 ± 2.0	32 ± 3.5	6 ± 1.5
100.0	4 ± 1.8	16 ± 0.9	4 ± 1.0	25 ± 3.1	5 ± 2.0
333.0	2 ± 0.6	2 ± 1.5	4 ± 0.0	5 ± 1.9	4 ± 2.2
1000.0	0 ± 0.3		0 ± 0.3		0 ± 0.3
3333.0	0 ± 0.0		0 ± 0.0		0 ± 0.0
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²			71 ± 14.5	132 ± 6.1	108 ± 2.7
Positive Control ³	692 ± 18.1	999 ± 6.7			

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Strain: TA1535

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	29 ± 3.5
3.3	35 ± 3.0
10.0	29 ± 2.1
33.0	28 ± 10.0
100.0	24 ± 1.2
333.0	7 ± 1.2
1000.0	
3333.0	
Trial Summary	Negative
Positive Control ²	138 ± 7.4
Positive Control ³	

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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 ± 0.7	2 ± 0.3	6 ± 2.8	7 ± 1.8	7 ± 0.9
10.0		5 ± 2.2		4 ± 0.9	
33.0	1 ± 0.9	2 ± 1.2	7 ± 2.6	5 ± 0.7	8 ± 1.2
100.0	3 ± 1.5	1 ± 0.3	6 ± 2.1	6 ± 0.5	7 ± 1.8
333.0	2 ± 0.7	2 ± 0.3	4 ± 0.6	9 ± 1.2	8 ± 1.9
1000.0	2 ± 0.7	0 ± 0.0	3 ± 0.6	2 ± 1.5	4 ± 1.5
3333.0	0 ± 0.0		0 ± 0.0		0 ± 0.0
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²			79 ± 2.6	126 ± 23.5	101 ± 4.7
Positive Control ⁴	571 ± 88.8	73 ± 12.2			

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Strain: TA1537

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	8 ± 0.7
10.0	5 ± 0.3
33.0	9 ± 2.0
100.0	6 ± 0.6
333.0	3 ± 0.7
1000.0	1 ± 0.9
3333.0	
Trial Summary	Negative
Positive Control ²	83 ± 10.0
Positive Control ⁴	

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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	15 ± 2.2	16 ± 5.3	17 ± 1.7	24 ± 0.7	16 ± 2.6
3.3				21 ± 0.3	
10.0		13 ± 2.1		26 ± 2.6	
33.0	16 ± 3.8	15 ± 2.4	14 ± 3.4	28 ± 3.2	16 ± 2.3
100.0	13 ± 1.2	14 ± 2.0	17 ± 1.2	25 ± 0.3	13 ± 2.3
333.0	12 ± 1.5	10 ± 0.6	20 ± 0.3	20 ± 1.7	12 ± 2.7
1000.0	2 ± 1.5	0 ± 0.0	1 ± 1.3		1 ± 1.0
3333.0	0 ± 0.0		0 ± 0.0		0 ± 0.0
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²			401 ± 49.1	997 ± 36.7	1068 ± 97.0
Positive Control ⁵	125 ± 8.9	205 ± 6.8			

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Strain: TA98

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	27 ± 4.0
3.3	20 ± 3.0
10.0	21 ± 0.9
33.0	18 ± 4.0
100.0	17 ± 2.0
333.0	6 ± 0.3
1000.0	
3333.0	
Trial Summary	Negative
Positive Control ²	1545 ± 153.4
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 ****