

Experiment Number: 720733

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: 4-Amino-2-nitrophenol

CAS Number: 119-34-6

Date Report Requested: 09/12/2018

Time Report Requested: 00:58:50

NTP Study Number:

720733

Study Result:

Positive

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Strain: TA100

Dose (ug/Plate)	Without S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	104 ± 6.8	91 ± 2.6	84 ± 7.9
3.3		86 ± 3.9	93 ± 5.2
10.0	108 ± 11.0	96 ± 0.9	86 ± 5.7
33.0	94 ± 7.2	95 ± 3.5	88 ± 4.5
100.0	104 ± 1.5	100 ± 5.4	101 ± 5.2
200.0		108 ± 5.2	109 ± 4.0
333.0	120 ± 4.7		
667.0	133 ± 6.4		
Trial Summary	Negative	Negative	Negative
Positive Control ²			755 ± 45.4
Positive Control ³		1352 ± 76.5	
Positive Control ⁴	1597 ± 89.7		

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Strain: TA1535

Dose (ug/Plate)	Without S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	18 ± 1.0	10 ± 2.1	8 ± 4.1
3.3		9 ± 1.5	6 ± 1.7
10.0	21 ± 2.6	13 ± 1.7	12 ± 1.5
33.0	21 ± 3.0	11 ± 1.8	11 ± 3.5
100.0	15 ± 1.2	11 ± 0.6	11 ± 1.2
200.0		13 ± 2.7	12 ± 0.3
333.0	19 ± 1.8		
667.0	12 ± 0.9		
Trial Summary	Negative	Negative	Negative
Positive Control ²			41 ± 3.1
Positive Control ³		68 ± 6.9	
Positive Control ⁴	862 ± 25.6		

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Strain: TA97

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	74 ± 8.0	63 ± 3.5	175 ± 4.2	161 ± 9.0
3.3			173 ± 10.2	149 ± 4.6
10.0	104 ± 2.7	85 ± 15.8	144 ± 11.2	212 ± 2.4
33.0	123 ± 11.8	60 ± 29.6	145 ± 7.5	172 ± 8.7
100.0	123 ± 5.0	33 ± 11.7	175 ± 12.7	173 ± 13.2
200.0			183 ± 19.0	174 ± 5.8
333.0	124 ± 3.2	6 ± 0.3		
667.0	166 ± 32.1	0 ± 0.3		
1000.0		1 ± 0.9		
Trial Summary	Weakly Positive	Negative	Negative	Equivocal
Positive Control ²				691 ± 0.3
Positive Control ³			1104 ± 66.0	
Positive Control ⁵	97 ± 5.4	265 ± 11.8		

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Strain: TA98

Dose (ug/Plate)	Without S9	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9
Vehicle Control ¹	17 ± 1.3	17 ± 0.6	30 ± 4.3	28 ± 2.6	35 ± 1.5
3.3				31 ± 3.2	
10.0	19 ± 2.6	24 ± 4.2	29 ± 2.3	29 ± 1.2	36 ± 1.5
33.0	32 ± 0.7	35 ± 5.4	39 ± 4.4	31 ± 1.7	44 ± 6.8
100.0	32 ± 3.0	42 ± 0.9	46 ± 5.6	36 ± 5.4	49 ± 2.0
200.0				31 ± 4.4	
333.0	50 ± 3.5	67 ± 2.6	114 ± 7.1		47 ± 11.0
667.0	64 ± 4.4	68 ± 2.4	178 ± 4.8		47 ± 5.5
1000.0		120 ± 7.4	215 ± 17.1		46 ± 3.5
Trial Summary	Positive	Positive	Positive	Negative	Negative
Positive Control ²					
Positive Control ³					1243 ± 52.8
Positive Control ⁶	1837 ± 56.0	1515 ± 58.4	2066 ± 53.4	1428 ± 11.3	

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Strain: TA98

Dose (ug/Plate)	With 10% Hamster S9	With 10% Hamster S9
Vehicle Control ¹	27 ± 5.2	38 ± 4.1
3.3	35 ± 4.5	
10.0	36 ± 1.8	43 ± 0.9
33.0	41 ± 6.8	44 ± 1.5
100.0	30 ± 2.4	48 ± 1.9
200.0	31 ± 1.5	
333.0		56 ± 0.7
667.0		51 ± 2.4
1000.0		48 ± 2.6
Trial Summary	Negative	Equivocal
Positive Control ²	953 ± 27.5	931 ± 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: 4.0 ug/Plate 9-Aminoacridine

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

**** END OF REPORT ****