

Experiment Number: A06185

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: Nalidixic acid

CAS Number: 389-08-2

Date Report Requested: 09/15/2018

Time Report Requested: 15:46:21

NTP Study Number:

A06185

Study Result:

Weakly Positive

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Strain: TA100

Dose (ug/Plate)	Without S9	With 30% Rat S9	With 5% Hamster S9	With 10% Hamster S9	With 30% Hamster S9
Vehicle Control ¹	106 ± 3.8	134 ± 13.1	100 ± 7.1	121 ± 4.8	117 ± 7.4
0.0	0 ± 0.0	0 ± 0.0			0 ± 0.0
0.1	108 ± 3.0	137 ± 6.7			134 ± 5.7
0.3	105 ± 6.5	120 ± 9.5	100 ± 2.6	114 ± 11.9	119 ± 7.3
1.0	96 ± 2.9	137 ± 15.6	116 ± 12.6	115 ± 1.2	129 ± 8.7
3.0	125 ± 7.4	134 ± 3.8	122 ± 9.6	98 ± 21.9	122 ± 1.2
6.0			146 ± 4.1	132 ± 7.8	
10.0	60 ± 13.4	53 ± 16.5	0 ± 0.0 ^x	72 ± 14.9	164 ± 10.4
16.0			0 ± 0.0 ^x	0 ± 0.0 ^s	
Trial Summary	Negative	Negative	Equivocal	Negative	Equivocal
Positive Control ²			825 ± 90.7	868 ± 50.5	
Positive Control ³					663 ± 31.1
Positive Control ⁴	781 ± 16.5				
Positive Control ⁵		553 ± 52.0			

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Strain: TA100

Dose (ug/Plate)	With 30% Hamster S9	With 30% Hamster S9
Vehicle Control ¹	110 ± 7.3	127 ± 3.5
0.0		
0.1		
0.3	112 ± 7.7	136 ± 3.8
1.0	111 ± 8.5	151 ± 4.6
3.0	123 ± 6.7	165 ± 4.7
6.0	134 ± 5.1	172 ± 3.2
10.0	156 ± 6.5	173 ± 5.9
16.0	111 ± 23.4	63 ± 3.8 ^s
Trial Summary	Weakly Positive	Weakly Positive
Positive Control ²		
Positive Control ³	849 ± 74.6	751 ± 28.6
Positive Control ⁴		
Positive Control ⁵		

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Strain: TA1535

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	5 ± 1.7
0.3	8 ± 1.2
1.0	6 ± 1.9
3.0	10 ± 2.4
6.0	9 ± 0.9
10.0	7 ± 0.9
16.0	5 ± 0.7
Trial Summary	Negative
Positive Control ⁵	245 ± 13.1

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Strain: TA98

Dose (ug/Plate)	Without S9	With 30% Rat S9	With 30% Hamster S9
Vehicle Control ¹	26 ± 2.6	17 ± 1.8	28 ± 3.2
0.1	24 ± 3.0	23 ± 4.0	32 ± 3.0
0.3	24 ± 0.9	21 ± 3.7	23 ± 3.5
1.0	22 ± 2.7	20 ± 4.2	25 ± 4.2
3.0	21 ± 2.3	24 ± 4.5	28 ± 3.8
10.0	15 ± 2.0	11 ± 1.2	20 ± 1.8
Trial Summary	Negative	Negative	Negative
Positive Control ³			237 ± 16.5
Positive Control ⁶	294 ± 7.5		
Positive Control ⁵		251 ± 20.6	

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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: 1.0 ug/Plate 2-Aminoanthracene

3: 2.0 ug/Plate 2-Aminoanthracene

4: 5.0 ug/Plate Sodium Azide

5: 5.0 ug/Plate 2-Aminoanthracene

6: 2.5 ug/Plate 4-Nitro-O-Phenylenediamine

s: Slight Toxicity

x: Slight Toxicity and Precipitate

** END OF REPORT **