

Experiment Number: 799767

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: Formamide

CAS Number: 75-12-7

Date Report Requested: 09/15/2018

Time Report Requested: 08:44:40

NTP Study Number:

799767

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	112 ± 13.6	85 ± 2.1	174 ± 5.8	110 ± 23.7	170 ± 21.5
33.0	101 ± 5.7	76 ± 3.4			
100.0	118 ± 3.4	73 ± 0.7	163 ± 5.5	110 ± 14.7	199 ± 4.6
333.0	124 ± 8.1	75 ± 2.1	170 ± 5.2	140 ± 11.1	180 ± 8.5
1000.0	132 ± 8.1	77 ± 4.0	188 ± 11.2	131 ± 8.1	181 ± 7.3
3333.0	110 ± 2.4	72 ± 1.5	185 ± 7.8	144 ± 11.1	190 ± 2.1
10000.0			192 ± 12.2	120 ± 9.2	211 ± 4.9
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²			1407 ± 262.2	2356 ± 381.3	1894 ± 14.7
Positive Control ³	284 ± 16.0	1499 ± 90.4			

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Strain: TA100

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	107 ± 11.0
33.0	
100.0	115 ± 14.4
333.0	108 ± 10.6
1000.0	106 ± 9.9
3333.0	117 ± 7.5
10000.0	107 ± 4.0
Trial Summary	Negative
Positive Control ²	2677 ± 145.0
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	7 ± 1.5	7 ± 1.5	6 ± 0.9	8 ± 0.7	7 ± 1.2
33.0	7 ± 0.6	3 ± 0.6			
100.0	6 ± 0.9	5 ± 2.2	5 ± 0.0	5 ± 0.3	8 ± 0.9
333.0	7 ± 0.9	3 ± 0.3	6 ± 1.7	6 ± 1.5	8 ± 5.0
1000.0	6 ± 1.8	4 ± 1.2	6 ± 0.3	3 ± 1.5	11 ± 1.0
3333.0	6 ± 1.5	2 ± 0.7	4 ± 0.9	4 ± 0.7	9 ± 1.8
10000.0			8 ± 0.9	5 ± 0.3	11 ± 3.7
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ⁴			142 ± 27.4	77 ± 39.2	190 ± 14.7
Positive Control ³	817 ± 17.2	601 ± 18.5			

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Strain: TA1535

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	7 ± 1.2
33.0	
100.0	5 ± 1.5
333.0	5 ± 1.2
1000.0	5 ± 0.6
3333.0	7 ± 1.2
10000.0	11 ± 2.9
Trial Summary	Negative
Positive Control ⁴	87 ± 15.4
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	4 ± 1.0	5 ± 0.7	6 ± 0.9	10 ± 2.6	8 ± 0.9
33.0	6 ± 2.5	6 ± 0.3			
100.0	5 ± 0.7	4 ± 1.0	10 ± 3.0	4 ± 1.2	7 ± 1.7
333.0	4 ± 1.2	5 ± 1.5	9 ± 1.7	6 ± 0.7	7 ± 0.7
1000.0	5 ± 0.9	4 ± 1.0	6 ± 0.6	3 ± 0.9	7 ± 0.3
3333.0	6 ± 2.2	5 ± 2.3	6 ± 2.0	7 ± 1.7	7 ± 0.3
10000.0			6 ± 0.9	3 ± 0.3	5 ± 1.7
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ⁴			263 ± 5.5	145 ± 12.2	213 ± 7.8
Positive Control ⁵	690 ± 56.6	777 ± 53.2			

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Strain: TA1537

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	8 ± 1.7
33.0	
100.0	4 ± 0.9
333.0	7 ± 0.7
1000.0	3 ± 0.0
3333.0	7 ± 1.8
10000.0	5 ± 0.7
Trial Summary	Negative
Positive Control ⁴	95 ± 31.9
Positive Control ⁵	

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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	17 ± 2.8	14 ± 1.0	16 ± 1.5	15 ± 1.5	19 ± 2.1
33.0	15 ± 0.9	13 ± 1.2			
100.0	14 ± 1.2	14 ± 2.2	16 ± 1.8	21 ± 3.1	20 ± 3.4
333.0	12 ± 1.8	16 ± 1.5	23 ± 1.8	23 ± 2.4	20 ± 3.2
1000.0	15 ± 0.9	17 ± 1.7	14 ± 2.0	12 ± 0.7	15 ± 0.9
3333.0	14 ± 1.7	16 ± 2.0	22 ± 3.2	15 ± 1.5	17 ± 0.7
10000.0			11 ± 2.0	21 ± 1.5	17 ± 2.4
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²			786 ± 114.7	898 ± 47.1	1359 ± 81.3
Positive Control ⁶	116 ± 1.2	692 ± 56.0			

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Strain: TA98

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	17 ± 2.7
33.0	
100.0	16 ± 1.5
333.0	13 ± 0.7
1000.0	17 ± 1.7
3333.0	22 ± 1.5
10000.0	17 ± 1.9
Trial Summary	Negative
Positive Control ²	2121 ± 298.9
Positive Control ⁶	

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G06: Ames Summary Data

Test Compound: **Formamide**

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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: Water

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 ****