

Experiment Number: 316543

Test Type: **Genetic Toxicology - Bacterial
Mutagenicity**

G06: Ames Summary Data

Test Compound: **Formanilide**

CAS Number: **103-70-8**

Date Report Requested: **09/12/2018**

Time Report Requested: **09:24:50**

NTP Study Number:

316543

Study Result:

Negative

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Mutagenicity**G06: Ames Summary Data**

Test Compound: Formanilide

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Date Report Requested: 09/12/2018

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Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control ¹	110 ± 3.8	118 ± 10.7	118 ± 6.2	151 ± 11.5	140 ± 8.0
100.0	120 ± 2.2	129 ± 8.8	137 ± 9.5	137 ± 3.5	114 ± 2.5
333.0	136 ± 33.5	116 ± 4.5	136 ± 2.3	140 ± 2.9	131 ± 7.2
1000.0	132 ± 7.3	114 ± 6.6	117 ± 2.6	124 ± 28.7	133 ± 10.7
3333.0	120 ± 6.2	119 ± 5.7	114 ± 14.8	123 ± 23.0	128 ± 8.3
6666.0	93 ± 12.9	95 ± 9.9			
10000.0			85 ± 2.6	122 ± 4.6	107 ± 3.5
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²	523 ± 13.0	238 ± 18.6			
Positive Control ³			934 ± 21.0	714 ± 68.4	2026 ± 31.0

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Strain: TA100

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	95 ± 7.4
100.0	96 ± 8.0
333.0	99 ± 40.0
1000.0	74 ± 8.5
3333.0	79 ± 12.5
6666.0	
10000.0	81 ± 5.0
Trial Summary	Negative
Positive Control ²	
Positive Control ³	481 ± 5.9

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Strain: TA1535

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control ¹	23 ± 2.9	28 ± 5.4	9 ± 2.3	12 ± 0.9	10 ± 2.4
100.0	16 ± 3.2	16 ± 0.7	9 ± 2.5	11 ± 0.9	7 ± 1.9
333.0	13 ± 0.9	20 ± 2.0	7 ± 2.3	9 ± 0.7	6 ± 1.2
1000.0	17 ± 1.5	19 ± 0.3	7 ± 2.8	8 ± 1.2	6 ± 0.3
3333.0	21 ± 3.1	16 ± 1.5	10 ± 1.9	7 ± 0.9	9 ± 2.5
6666.0	16 ± 1.8	17 ± 2.7			
10000.0			6 ± 1.2	7 ± 0.3	5 ± 0.6
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²	586 ± 17.6	265 ± 19.3			
Positive Control ⁴			223 ± 13.9	285 ± 27.5	533 ± 17.2

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Strain: TA1535

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	14 ± 1.2
100.0	7 ± 1.3
333.0	15 ± 3.5
1000.0	10 ± 0.9
3333.0	6 ± 0.3
6666.0	
10000.0	9 ± 0.7
Trial Summary	Negative
Positive Control ²	
Positive Control ⁴	256 ± 29.3

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Mutagenicity**G06: Ames Summary Data**

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Strain: TA97

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control ¹	120 ± 5.6	157 ± 11.2	188 ± 6.6	221 ± 5.5	115 ± 5.2
100.0	139 ± 7.1	167 ± 11.1	176 ± 17.0	228 ± 9.0	141 ± 4.5
333.0	128 ± 6.7	174 ± 5.9	194 ± 2.0	212 ± 7.2	128 ± 13.4
1000.0	106 ± 10.3	165 ± 12.7	178 ± 16.8	224 ± 12.8	136 ± 2.0
3333.0	112 ± 14.0	173 ± 0.7	149 ± 8.3	167 ± 17.0	131 ± 7.0
6666.0	107 ± 6.0	142 ± 3.5			
10000.0			90 ± 14.4	154 ± 11.7	116 ± 7.8
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ⁴			1452 ± 80.7	1528 ± 105.9	1885 ± 76.9
Positive Control ⁵	1156 ± 22.0	879 ± 21.2			

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Strain: TA97

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	181 ± 5.7
100.0	159 ± 15.6
333.0	158 ± 11.2
1000.0	178 ± 2.9
3333.0	151 ± 10.2
6666.0	
10000.0	145 ± 4.0
Trial Summary	Negative
Positive Control ⁴	1135 ± 20.6
Positive Control ⁵	

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Test Compound: Formanilide

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Date Report Requested: 09/12/2018

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Strain: TA98

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control ¹	19 ± 0.7	19 ± 3.5	16 ± 1.3	19 ± 3.3	29 ± 2.2
100.0	15 ± 2.8	13 ± 2.1	25 ± 4.2	20 ± 3.0	25 ± 1.7
333.0	16 ± 2.2	16 ± 1.5	28 ± 2.6	23 ± 3.5	27 ± 3.7
1000.0	16 ± 1.7	13 ± 0.3	24 ± 3.3	24 ± 2.6	24 ± 3.9
3333.0	14 ± 2.9	14 ± 0.6	20 ± 2.7	20 ± 4.4	23 ± 3.5
6666.0	7 ± 2.6	9 ± 1.2			
10000.0			27 ± 3.7	20 ± 2.9	18 ± 2.8
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ³			517 ± 40.4	124 ± 35.7	1341 ± 15.2
Positive Control ⁶	1015 ± 26.6	458 ± 41.2			

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Strain: TA98

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	22 ± 3.5
100.0	19 ± 2.9
333.0	17 ± 1.2
1000.0	17 ± 1.7
3333.0	20 ± 3.2
6666.0	
10000.0	21 ± 4.9
Trial Summary	Negative
Positive Control ³	384 ± 54.4
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: 1.0 ug/Plate Sodium Azide

3: 1.0 ug/Plate 2-Aminoanthracene

4: 2.5 ug/Plate 2-Aminoanthracene

5: 50.0 ug/Plate 9-Aminoacridine

6: 5.0 ug/Plate 4-Nitro-O-Phenylenediamine

**** END OF REPORT ****