

Experiment Number: 096297

Test Type: Genetic Toxicology - Bacterial  
Mutagenicity

**G06: Ames Summary Data**

Test Compound: Formamide

CAS Number: 75-12-7

Date Report Requested: 09/11/2018

Time Report Requested: 07:52:08

**NTP Study Number:**

096297

**Study Result:**

Negative

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Test Compound: Formamide

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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 <sup>1</sup>	123 ± 12.4	137 ± 6.4	79 ± 9.1	125 ± 3.1	111 ± 7.2
100.0	124 ± 3.8	137 ± 6.1	88 ± 6.3	117 ± 6.7	127 ± 4.3
333.0	113 ± 15.1	145 ± 11.7	95 ± 3.6	114 ± 8.7	124 ± 3.5
1000.0	128 ± 6.9	136 ± 5.8	85 ± 8.3	116 ± 5.2	121 ± 8.1
3333.0	135 ± 10.1	131 ± 4.6	85 ± 7.4	118 ± 6.5	105 ± 14.7
10000.0	125 ± 4.0	143 ± 7.8	99 ± 4.1	114 ± 6.7	123 ± 3.8
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>2</sup>					507 ± 37.5
Positive Control <sup>3</sup>			811 ± 10.2	1402 ± 15.0	
Positive Control <sup>4</sup>	1468 ± 33.0	1265 ± 37.3			

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Strain: TA100

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Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control <sup>1</sup>	107 ± 5.7
100.0	94 ± 4.0
333.0	99 ± 5.8
1000.0	133 ± 6.7
3333.0	107 ± 8.7
10000.0	107 ± 14.7
Trial Summary	Negative
Positive Control <sup>2</sup>	865 ± 14.6
Positive Control <sup>3</sup>	
Positive Control <sup>4</sup>	

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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 <sup>1</sup>	40 ± 3.5	31 ± 1.8	14 ± 1.2	11 ± 1.0	14 ± 1.2
100.0	34 ± 2.8	35 ± 2.6	13 ± 0.9	16 ± 0.7	12 ± 4.7
333.0	44 ± 3.7	40 ± 3.4	11 ± 1.2	12 ± 2.2	13 ± 2.2
1000.0	40 ± 4.0	36 ± 2.1	13 ± 3.0	12 ± 0.6	14 ± 0.9
3333.0	41 ± 0.9	35 ± 4.3	14 ± 2.3	12 ± 1.9	11 ± 1.5
10000.0	47 ± 7.1 <sup>s</sup>	35 ± 4.7	16 ± 1.9	13 ± 2.2	11 ± 0.9
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>2</sup>					118 ± 4.8
Positive Control <sup>3</sup>			118 ± 8.0	136 ± 7.2	
Positive Control <sup>4</sup>	779 ± 22.5	958 ± 11.9			

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Strain: TA1535

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Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control <sup>1</sup>	17 ± 2.7
100.0	11 ± 1.5
333.0	13 ± 1.3
1000.0	14 ± 1.9
3333.0	10 ± 2.0
10000.0	11 ± 3.2
Trial Summary	Negative
Positive Control <sup>2</sup>	126 ± 11.2
Positive Control <sup>3</sup>	
Positive Control <sup>4</sup>	

Experiment Number: 096297

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## G06: Ames Summary Data

Test Compound: Formamide

CAS Number: 75-12-7

Date Report Requested: 09/11/2018

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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 <sup>1</sup>	10 ± 2.7	10 ± 0.9	8 ± 3.2	13 ± 1.3	12 ± 1.5
100.0	10 ± 0.6	7 ± 2.0	12 ± 1.9	7 ± 1.7	14 ± 1.5
333.0	8 ± 1.8	9 ± 0.3	10 ± 1.9	9 ± 1.7	12 ± 0.7
1000.0	7 ± 2.1	8 ± 1.2	13 ± 1.2	9 ± 4.4	13 ± 1.2
3333.0	10 ± 0.9	9 ± 1.2	11 ± 1.2	10 ± 0.9	10 ± 1.2
10000.0	8 ± 0.7	7 ± 0.9	11 ± 1.5	8 ± 0.6	8 ± 1.7
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>2</sup>					131 ± 19.2
Positive Control <sup>3</sup>			169 ± 9.5	173 ± 8.1	
Positive Control <sup>5</sup>	167 ± 24.7				
Positive Control <sup>6</sup>		198 ± 11.4			

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Strain: TA1537

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Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control <sup>1</sup>	12 ± 2.1
100.0	15 ± 1.5
333.0	11 ± 1.8
1000.0	10 ± 0.3
3333.0	11 ± 2.5
10000.0	8 ± 0.7
Trial Summary	Negative
Positive Control <sup>2</sup>	92 ± 2.8
Positive Control <sup>3</sup>	
Positive Control <sup>5</sup>	
Positive Control <sup>6</sup>	

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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 <sup>1</sup>	16 ± 1.9	18 ± 2.7	23 ± 1.9	40 ± 2.7	24 ± 2.3
100.0	20 ± 1.5	20 ± 3.5	26 ± 1.5	37 ± 1.9	27 ± 3.5
333.0	17 ± 3.8	20 ± 1.7	26 ± 1.5	30 ± 3.0	25 ± 2.9
1000.0	15 ± 1.3	14 ± 0.6	22 ± 2.5	33 ± 1.7	21 ± 3.7
3333.0	11 ± 0.9	21 ± 3.1	22 ± 6.9	32 ± 2.9	27 ± 3.5
10000.0	16 ± 3.4	16 ± 2.6	26 ± 2.1	33 ± 3.7	27 ± 1.9
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>2</sup>					265 ± 10.7
Positive Control <sup>3</sup>			441 ± 16.6	1498 ± 53.8	
Positive Control <sup>5</sup>	969 ± 44.2	1801 ± 97.8			



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Strain: TA98

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Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control <sup>1</sup>	36 ± 2.9
100.0	36 ± 5.7
333.0	34 ± 1.0
1000.0	36 ± 4.0
3333.0	35 ± 2.6
10000.0	36 ± 1.9
Trial Summary	Negative
Positive Control <sup>2</sup>	961 ± 33.3
Positive Control <sup>3</sup>	
Positive Control <sup>5</sup>	

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### **LEGEND**

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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: 0.75 ug/Plate 2-Aminoanthracene

3: 1.5 ug/Plate 2-Aminoanthracene

4: 2.5 ug/Plate Sodium Azide

5: 12.0 ug/Plate 4-Nitro-O-Phenylenediamine

6: 80.0 ug/Plate 9-Aminoacridine

s: Slight Toxicity

**\*\* END OF REPORT \*\***