

Experiment Number: **A84767**

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

G06: Ames Summary Data

Test Compound: **Diethylformamide**

CAS Number: **617-84-5**

Date Report Requested: **09/18/2018**

Time Report Requested: **04:08:20**

NTP Study Number:

A84767

Study Result:

Negative

Experiment Number: A84767

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: Diethylformamide

CAS Number: 617-84-5

Date Report Requested: 09/18/2018

Time Report Requested: 04:08:20

Strain: TA100

Dose (ug/Plate)	Without S9	With 30% Rat S9	With 30% Hamster S9
Vehicle Control ¹	110 ± 2.5	123 ± 5.8	96 ± 6.0
100.0	102 ± 8.3	107 ± 8.5	109 ± 15.1
333.0	96 ± 6.6	112 ± 3.2	95 ± 4.7
1000.0	95 ± 9.3	120 ± 6.5	102 ± 3.8
3333.0	114 ± 2.0	117 ± 7.5	96 ± 9.6
10000.0	112 ± 3.7	103 ± 12.8	112 ± 2.7
Trial Summary	Negative	Negative	Negative
Positive Control ²			554 ± 22.4
Positive Control ³		427 ± 9.8	
Positive Control ⁴	818 ± 29.6		

Experiment Number: A84767

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: Diethylformamide

CAS Number: 617-84-5

Date Report Requested: 09/18/2018

Time Report Requested: 04:08:20

Strain: TA1535

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control ¹	13 ± 0.9	11 ± 1.8	13 ± 3.2	11 ± 1.8	7 ± 0.3
100.0	11 ± 0.7	11 ± 1.9	10 ± 0.7	11 ± 0.7	13 ± 0.6
333.0	10 ± 1.2	9 ± 1.5	9 ± 2.0	10 ± 3.4	9 ± 1.5
1000.0	10 ± 2.6	14 ± 0.9	11 ± 1.3	9 ± 1.5	10 ± 1.2
3333.0	11 ± 0.7	11 ± 3.2	10 ± 1.8	10 ± 0.0	10 ± 1.8
10000.0	8 ± 1.5	12 ± 2.3	10 ± 2.8	14 ± 1.3	7 ± 0.7
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					404 ± 11.3
Positive Control ⁴	1010 ± 12.9	1236 ± 56.0			
Positive Control ³			531 ± 27.7		
Positive Control ⁵				123 ± 12.5	

Experiment Number: A84767

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: Diethylformamide

CAS Number: 617-84-5

Date Report Requested: 09/18/2018

Time Report Requested: 04:08:20

Strain: TA1535

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	9 ± 1.2
100.0	10 ± 0.0
333.0	12 ± 2.2
1000.0	11 ± 0.9
3333.0	12 ± 0.9
10000.0	9 ± 1.0
Trial Summary	Negative
Positive Control ²	
Positive Control ⁴	
Positive Control ³	224 ± 6.1
Positive Control ⁵	

Experiment Number: A84767

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: Diethylformamide

CAS Number: 617-84-5

Date Report Requested: 09/18/2018

Time Report Requested: 04:08:20

Strain: TA97

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 30% Rat S9
Vehicle Control ¹	126 ± 3.2	108 ± 2.9	150 ± 25.6	156 ± 6.9	117 ± 11.3
3.0			153 ± 7.6		
10.0			155 ± 12.8		
33.0			161 ± 5.0		
100.0	121 ± 3.8	120 ± 4.8	144 ± 11.6	171 ± 7.0	177 ± 8.6
333.0	139 ± 4.4	110 ± 3.1	145 ± 21.6	168 ± 13.7	188 ± 12.1
1000.0	128 ± 10.4	116 ± 5.8		124 ± 15.2	100 ± 8.3
3333.0	132 ± 8.0	112 ± 1.7		113 ± 1.2	137 ± 22.5
10000.0	112 ± 4.3	118 ± 5.8		129 ± 14.2	136 ± 12.5
Trial Summary	Negative	Negative	Negative	Negative	Equivocal
Positive Control ⁶					
Positive Control ²			644 ± 7.2	928 ± 59.2	
Positive Control ³					571 ± 9.8
Positive Control ⁷	558 ± 25.1	569 ± 10.2			

Experiment Number: A84767

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: Diethylformamide

CAS Number: 617-84-5

Date Report Requested: 09/18/2018

Time Report Requested: 04:08:20

Strain: TA97

Dose (ug/Plate)	With 30% Rat S9	With 10% Hamster S9	With 30% Hamster S9
Vehicle Control ¹	185 ± 5.5	140 ± 4.5	111 ± 3.8
3.0	191 ± 4.2		
10.0	182 ± 6.8		
33.0	183 ± 12.5		
100.0	188 ± 7.2	132 ± 4.6	133 ± 2.7
333.0	177 ± 9.7	133 ± 7.0	119 ± 4.3
1000.0		125 ± 3.6	128 ± 11.0
3333.0		121 ± 4.7	134 ± 14.9
10000.0		133 ± 4.7	107 ± 5.2
Trial Summary	Negative	Negative	Negative
Positive Control ⁶		1026 ± 26.3	
Positive Control ²			938 ± 62.0
Positive Control ³	560 ± 3.5		
Positive Control ⁷			

Experiment Number: A84767

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: Diethylformamide

CAS Number: 617-84-5

Date Report Requested: 09/18/2018

Time Report Requested: 04:08:20

Strain: TA98

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control ¹	15 ± 1.5	19 ± 1.2	25 ± 4.2	16 ± 2.4	33 ± 5.3
100.0	20 ± 5.4	22 ± 2.6	32 ± 4.1	17 ± 2.0	34 ± 2.4
333.0	14 ± 0.6	16 ± 4.3	30 ± 3.7	22 ± 1.8	29 ± 0.7
1000.0	15 ± 2.5	19 ± 1.5	27 ± 1.5	19 ± 4.7	27 ± 0.9
3333.0	11 ± 1.5	17 ± 4.8	33 ± 0.7	19 ± 2.3	31 ± 3.8
10000.0	12 ± 1.7	22 ± 5.6	26 ± 2.7	22 ± 1.7	25 ± 4.6
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ⁶					1518 ± 19.2
Positive Control ²			1858 ± 9.7		
Positive Control ⁸	600 ± 50.9	552 ± 11.5			
Positive Control ³				215 ± 10.1	

Experiment Number: A84767

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: Diethylformamide

CAS Number: 617-84-5

Date Report Requested: 09/18/2018

Time Report Requested: 04:08:20

Strain: TA98

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	19 ± 2.6
100.0	20 ± 2.8
333.0	24 ± 5.2
1000.0	19 ± 0.3
3333.0	16 ± 5.0
10000.0	17 ± 0.9
Trial Summary	Negative
Positive Control ⁶	
Positive Control ²	242 ± 18.7
Positive Control ⁸	
Positive Control ³	

Experiment Number: **A84767**
Test Type: **Genetic Toxicology - Bacterial**
Mutagenicity

G06: Ames Summary Data
Test Compound: **Diethylformamide**
CAS Number: **617-84-5**

Date Report Requested: **09/18/2018**
Time Report Requested: **04:08:20**

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: 2.0 ug/Plate 2-Aminoanthracene
- 3: 5.0 ug/Plate 2-Aminoanthracene
- 4: 5.0 ug/Plate Sodium Azide
- 5: 10.0 ug/Plate 2-Aminoanthracene
- 6: 1.0 ug/Plate 2-Aminoanthracene
- 7: 50.0 ug/Plate 9-Aminoacridine
- 8: 2.5 ug/Plate 4-Nitro-O-Phenylenediamine

**** END OF REPORT ****