

Experiment Number: A95244

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

G06: Ames Summary Data

Test Compound: **N,N-Dimethylvaleramide**

CAS Number: **6225-06-5**

Date Report Requested: **09/15/2018**

Time Report Requested: **13:18:34**

NTP Study Number:

A95244

Study Result:

Negative

Experiment Number: A95244

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: N,N-Dimethylvaleramide

CAS Number: 6225-06-5

Date Report Requested: 09/15/2018

Time Report Requested: 13:18:34

Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control ¹	104 ± 2.1	107 ± 1.8	117 ± 5.8	108 ± 2.4	122 ± 3.4
100.0	106 ± 3.8	108 ± 0.3	115 ± 2.9	110 ± 2.3	109 ± 0.7
333.0	106 ± 8.5	108 ± 1.7	114 ± 5.3	104 ± 2.9	108 ± 1.0
1000.0	96 ± 2.2	109 ± 6.2	106 ± 8.7	124 ± 11.8	109 ± 4.1
3333.0	97 ± 1.9	108 ± 0.3	107 ± 1.2	107 ± 10.0	113 ± 2.8
10000.0	57 ± 22.4 ^s	54 ± 6.7 ^s	101 ± 2.4	81 ± 3.1	80 ± 4.0
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					531 ± 16.1
Positive Control ³			467 ± 13.7		
Positive Control ⁴	831 ± 19.2	813 ± 18.2			
Positive Control ⁵				484 ± 11.5	

Experiment Number: A95244

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: N,N-Dimethylvaleramide

CAS Number: 6225-06-5

Date Report Requested: 09/15/2018

Time Report Requested: 13:18:34

Strain: TA100

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	103 ± 3.7
100.0	103 ± 7.5
333.0	108 ± 3.8
1000.0	103 ± 7.0
3333.0	97 ± 4.1
10000.0	89 ± 0.9
Trial Summary	Negative
Positive Control ²	
Positive Control ³	658 ± 9.3
Positive Control ⁴	
Positive Control ⁵	

Experiment Number: A95244

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: N,N-Dimethylvaleramide

CAS Number: 6225-06-5

Date Report Requested: 09/15/2018

Time Report Requested: 13:18:34

Strain: TA1535

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control ¹	10 ± 2.1	10 ± 0.9	11 ± 1.5	11 ± 2.7	13 ± 1.8
100.0	10 ± 1.2	11 ± 1.5	10 ± 0.9	11 ± 2.5	10 ± 0.3
333.0	10 ± 1.8	10 ± 0.6	9 ± 0.9	8 ± 0.3	9 ± 0.6
1000.0	10 ± 1.9	10 ± 1.5	10 ± 1.5	9 ± 0.3	11 ± 0.9
3333.0	10 ± 2.0	9 ± 0.6	14 ± 3.2	11 ± 3.4	11 ± 1.2
10000.0	0 ± 0.0 ^x	6 ± 1.5 ^x	6 ± 1.2 ^s	8 ± 1.9	5 ± 0.7 ^s
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ³					99 ± 7.5
Positive Control ⁴	868 ± 23.0	784 ± 41.7			
Positive Control ⁵			86 ± 7.6		
Positive Control ⁶				121 ± 2.3	

Experiment Number: A95244
Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data
Test Compound: N,N-Dimethylvaleramide
CAS Number: 6225-06-5

Date Report Requested: 09/15/2018
Time Report Requested: 13:18:34

Strain: TA1535

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	12 ± 2.0
100.0	9 ± 0.3
333.0	9 ± 0.6
1000.0	9 ± 0.3
3333.0	10 ± 1.2
10000.0	10 ± 2.0
Trial Summary	Negative
Positive Control ³	
Positive Control ⁴	
Positive Control ⁵	253 ± 26.0
Positive Control ⁶	

Experiment Number: A95244

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: N,N-Dimethylvaleramide

CAS Number: 6225-06-5

Date Report Requested: 09/15/2018

Time Report Requested: 13:18:34

Strain: TA97

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control ¹	183 ± 12.4	148 ± 5.5	157 ± 5.7	187 ± 5.0	158 ± 9.9
100.0	196 ± 1.2	155 ± 8.2	159 ± 6.7	193 ± 3.5	157 ± 6.1
333.0	183 ± 6.1	148 ± 10.1	163 ± 4.3	188 ± 5.9	159 ± 9.5
1000.0	177 ± 28.4	166 ± 11.0	161 ± 5.5	186 ± 11.0	158 ± 8.7
3333.0	186 ± 5.3	157 ± 4.7	176 ± 5.6	189 ± 6.4	164 ± 7.1
10000.0	23 ± 16.9 ^x	40 ± 27.0 ^x	163 ± 5.9	75 ± 8.8 ^s	106 ± 3.2
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					629 ± 13.9
Positive Control ³			583 ± 23.5		
Positive Control ⁵				537 ± 13.3	
Positive Control ⁷	549 ± 26.0	526 ± 27.8			

Experiment Number: A95244
Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data
Test Compound: N,N-Dimethylvaleramide
CAS Number: 6225-06-5

Date Report Requested: 09/15/2018
Time Report Requested: 13:18:34

Strain: TA97

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	175 ± 7.0
100.0	176 ± 9.7
333.0	184 ± 6.7
1000.0	186 ± 6.1
3333.0	177 ± 5.8
10000.0	101 ± 19.3
Trial Summary	Negative
Positive Control ²	
Positive Control ³	603 ± 19.1
Positive Control ⁵	
Positive Control ⁷	

Experiment Number: A95244

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: N,N-Dimethylvaleramide

CAS Number: 6225-06-5

Date Report Requested: 09/15/2018

Time Report Requested: 13:18:34

Strain: TA98

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control ¹	17 ± 2.3	22 ± 1.8	17 ± 1.9	16 ± 1.5	17 ± 2.3
100.0	17 ± 1.5	19 ± 0.3	19 ± 1.2	18 ± 1.5	18 ± 1.2
333.0	18 ± 1.2	17 ± 0.7	23 ± 2.2	17 ± 2.3	17 ± 1.2
1000.0	16 ± 1.3	21 ± 0.3	24 ± 3.5	17 ± 2.1	18 ± 1.5
3333.0	14 ± 2.2	22 ± 2.2	22 ± 2.5	12 ± 2.0	18 ± 1.8
10000.0	Toxic	12 ± 2.2 ^s	12 ± 2.5	12 ± 2.2 ^s	7 ± 1.5
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					788 ± 34.6
Positive Control ³			538 ± 27.2		
Positive Control ⁸	440 ± 15.9	415 ± 6.6			
Positive Control ⁵				437 ± 11.2	

Experiment Number: A95244

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: N,N-Dimethylvaleramide

CAS Number: 6225-06-5

Date Report Requested: 09/15/2018

Time Report Requested: 13:18:34

Strain: TA98

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	18 ± 1.9
100.0	14 ± 2.7
333.0	15 ± 1.5
1000.0	16 ± 1.9
3333.0	17 ± 0.0
10000.0	9 ± 3.5
Trial Summary	Negative
Positive Control ²	
Positive Control ³	548 ± 35.1
Positive Control ⁸	
Positive Control ⁵	

Experiment Number: A95244

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: N,N-Dimethylvaleramide

CAS Number: 6225-06-5

Date Report Requested: 09/15/2018

Time Report Requested: 13:18:34

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: 10.0 ug/Plate 2-Aminoanthracene

7: 50.0 ug/Plate 9-Aminoacridine

8: 2.5 ug/Plate 4-Nitro-O-Phenylenediamine

s: Slight Toxicity

x: Slight Toxicity and Precipitate

**** END OF REPORT ****