

Experiment Number: 556933

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

G06: Ames Summary Data

Test Compound: **N,N-Diethyl aniline**

CAS Number: **91-66-7**

Date Report Requested: **09/13/2018**

Time Report Requested: **22:05:01**

NTP Study Number:

556933

Study Result:

Negative

Experiment Number: 556933

Test Type: **Genetic Toxicology - Bacterial
Mutagenicity****G06: Ames Summary Data**Test Compound: **N,N-Diethyl aniline**CAS Number: **91-66-7**Date Report Requested: **09/13/2018**Time Report Requested: **22:05:01****Strain: TA100**

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control ¹	93 ± 5.5	127 ± 7.0	93 ± 1.2	147 ± 6.2	98 ± 3.3
1.0	98 ± 6.6	119 ± 6.6			
3.0	87 ± 3.2	116 ± 11.7	103 ± 6.7	119 ± 8.3	96 ± 2.6
10.0	84 ± 4.3	96 ± 7.9	103 ± 6.1	132 ± 10.5	96 ± 10.2
33.0	92 ± 9.1	123 ± 10.0	104 ± 5.0	123 ± 7.1	97 ± 6.5
100.0	87 ± 11.7	127 ± 14.3	97 ± 7.0	123 ± 8.1	97 ± 5.0
333.0			80 ± 4.5	112 ± 6.4	52 ± 26.2
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²			725 ± 24.1	449 ± 7.0	1828 ± 130.2
Positive Control ³	425 ± 19.9	375 ± 12.3			

Experiment Number: 556933

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

G06: Ames Summary Data

Test Compound: **N,N-Diethyl aniline**

CAS Number: **91-66-7**

Date Report Requested: **09/13/2018**

Time Report Requested: **22:05:01**

Strain: TA100

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	129 ± 3.8
1.0	
3.0	134 ± 7.9
10.0	124 ± 4.3
33.0	143 ± 4.4
100.0	131 ± 8.5
333.0	136 ± 10.6
Trial Summary	Negative
Positive Control ²	873 ± 46.0
Positive Control ³	

Experiment Number: 556933

Test Type: **Genetic Toxicology - Bacterial
Mutagenicity****G06: Ames Summary Data**Test Compound: **N,N-Diethyl aniline**CAS Number: **91-66-7**Date Report Requested: **09/13/2018**Time Report Requested: **22:05:01****Strain: TA1535**

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control ¹	19 ± 0.9	24 ± 3.4	10 ± 4.0	12 ± 6.0	11 ± 3.3
1.0	14 ± 3.5	23 ± 4.4			
3.0	20 ± 2.4	26 ± 3.8	10 ± 1.5	12 ± 3.5	14 ± 5.0
10.0	16 ± 1.2	18 ± 1.2	7 ± 1.7	22 ± 1.5	9 ± 1.8
33.0	17 ± 1.8	22 ± 4.3	11 ± 2.7	14 ± 2.0	10 ± 2.2
100.0	15 ± 1.2	12 ± 0.7	10 ± 1.5	12 ± 1.5	7 ± 1.9
333.0			7 ± 2.7	15 ± 2.8	4 ± 0.3
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ³	469 ± 15.7	418 ± 23.1			
Positive Control ⁴			205 ± 12.4	162 ± 27.5	557 ± 10.3

Experiment Number: 556933

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

G06: Ames Summary Data

Test Compound: **N,N-Diethyl aniline**

CAS Number: **91-66-7**

Date Report Requested: **09/13/2018**

Time Report Requested: **22:05:01**

Strain: TA1535

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	12 ± 2.4
1.0	
3.0	10 ± 2.9
10.0	9 ± 3.2
33.0	13 ± 0.6
100.0	7 ± 1.5
333.0	15 ± 1.9
Trial Summary	Negative
Positive Control ³	
Positive Control ⁴	616 ± 69.9

Experiment Number: 556933

Test Type: Genetic Toxicology - Bacterial
Mutagenicity**G06: Ames Summary Data**

Test Compound: N,N-Diethyl aniline

CAS Number: 91-66-7

Date Report Requested: 09/13/2018

Time Report Requested: 22:05:01

Strain: TA97

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control ¹	189 ± 7.5	121 ± 8.1	193 ± 8.2	236 ± 9.4	117 ± 5.5
1.0	221 ± 1.7	134 ± 0.3			
3.0	229 ± 12.0	108 ± 7.8	169 ± 10.3	207 ± 21.5	133 ± 4.4
10.0	255 ± 10.1	129 ± 6.7	156 ± 10.5	211 ± 4.6	143 ± 5.8
33.0	265 ± 17.0	132 ± 11.2	139 ± 7.1	223 ± 13.0	138 ± 6.4
100.0	177 ± 8.0	108 ± 2.0	123 ± 9.0	186 ± 23.8	144 ± 6.1
333.0			129 ± 14.7	222 ± 14.5	113 ± 6.0
Trial Summary	Equivocal	Negative	Negative	Negative	Negative
Positive Control ⁴			1452 ± 80.7	480 ± 60.6	1885 ± 76.9
Positive Control ⁵	856 ± 20.8	1156 ± 22.0			

Experiment Number: 556933

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

G06: Ames Summary Data

Test Compound: **N,N-Diethyl aniline**

CAS Number: **91-66-7**

Date Report Requested: **09/13/2018**

Time Report Requested: **22:05:01**

Strain: TA97

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	234 ± 15.2
1.0	
3.0	204 ± 12.1
10.0	206 ± 15.2
33.0	207 ± 10.7
100.0	197 ± 10.2
333.0	186 ± 9.2
Trial Summary	Negative
Positive Control ⁴	797 ± 61.9
Positive Control ⁵	

Experiment Number: 556933

Test Type: Genetic Toxicology - Bacterial
Mutagenicity**G06: Ames Summary Data**

Test Compound: N,N-Diethyl aniline

CAS Number: 91-66-7

Date Report Requested: 09/13/2018

Time Report Requested: 22:05:01

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 ± 1.8	20 ± 2.6	28 ± 2.9	33 ± 2.8	26 ± 4.7
1.0	21 ± 3.5	16 ± 5.0			
3.0	19 ± 4.4	16 ± 2.6	24 ± 3.6	25 ± 3.5	26 ± 3.2
10.0	15 ± 2.0	17 ± 2.9	26 ± 1.9	23 ± 3.8	31 ± 4.5
33.0	12 ± 2.3	22 ± 3.6	30 ± 0.3	25 ± 2.6	34 ± 3.2
100.0	14 ± 2.5	12 ± 1.7	32 ± 2.5	26 ± 2.4	31 ± 9.0
333.0			23 ± 3.5	28 ± 3.9	30 ± 0.9
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²			408 ± 20.3	246 ± 18.1	1187 ± 29.6
Positive Control ⁶	869 ± 34.3	845 ± 69.2			

Experiment Number: 556933

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

G06: Ames Summary Data

Test Compound: **N,N-Diethyl aniline**

CAS Number: **91-66-7**

Date Report Requested: **09/13/2018**

Time Report Requested: **22:05:01**

Strain: TA98

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	28 ± 2.5
1.0	
3.0	27 ± 1.7
10.0	31 ± 3.8
33.0	27 ± 1.9
100.0	27 ± 3.3
333.0	29 ± 1.5
Trial Summary	Negative
Positive Control ²	576 ± 116.6
Positive Control ⁶	

Experiment Number: 556933

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

G06: Ames Summary Data

Test Compound: **N,N-Diethyl aniline**

CAS Number: **91-66-7**

Date Report Requested: **09/13/2018**

Time Report Requested: **22:05:01**

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: 1.0 ug/Plate Sodium Azide

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 ****