Experiment Number: **623410**

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

G06: Ames Summary Data

Test Compound: **N,N-Diethyl-m-toluamide**

CAS Number: **134-62-3**

Date Report Requested: **09/10/2018**

Time Report Requested: **16:22:32**

NTP Study Number: 623410

Study Result: Negative

Experiment Number: **623410**

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

G06: Ames Summary Data

Test Compound: **N,N-Diethyl-m-toluamide**

CAS Number: **134-62-3**

Date Report Requested: **09/10/2018**

Time Report Requested: **16:22:32**

Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control[1]	107 ± 5.0	102 ± 2.8	113 ± 13.9	123 ± 3.5	91 ± 5.7
10.0	125 ± 4.8	101 ± 13.0			
33.0	118 ± 3.8	90 ± 7.2	115 ± 3.8	127 ± 11.3	96 ± 1.5
100.0	124 ± 2.0	105 ± 8.4	104 ± 6.5	122 ± 0.6	99 ± 4.7
333.0	110 ± 6.5	101 ± 1.7	93 ± 4.5	123 ± 9.8	99 ± 4.3
667.0	89 ± 6.0[s]	83 ± 3.0			
1000.0			100 ± 2.9	113 ± 6.5	94 ± 8.0
2000.0			83 ± 17.3[s]	107 ± 4.7	83 ± 5.0
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control[2]					313 ± 24.0
Positive Control[3]		428 ± 9.1			
Positive Control[4]			1084 ± 33.2		
Positive Control[5]					
Positive Control[6]	1058 ± 22.5				
Positive Control[7]				1437 ± 15.3	

Experiment Number: **623410**

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

G06: Ames Summary Data

Test Compound: **N,N-Diethyl-m-toluamide**

CAS Number: **134-62-3**

Date Report Requested: **09/10/2018**

Time Report Requested: **16:22:32**

Strain: TA100

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control[1]	110 ± 3.0
10.0	
33.0	117 ± 7.8
100.0	127 ± 6.1
333.0	119 ± 8.1
667.0	
1000.0	124 ± 9.4
2000.0	119 ± 3.5
Trial Summary	Negative
Positive Control[2]	
Positive Control[3]	
Positive Control[4]	
Positive Control[5]	545 ± 26.9
Positive Control[6]	
Positive Control[7]	

Experiment Number: **623410**

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

G06: Ames Summary Data

Test Compound: **N,N-Diethyl-m-toluamide**

CAS Number: **134-62-3**

Date Report Requested: **09/10/2018**

Time Report Requested: **16:22:32**

Strain: TA1535

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control[1]	20 ± 1.8	21 ± 1.5	14 ± 2.6	16 ± 0.6	13 ± 0.3
10.0		18 ± 2.2			
33.0	16 ± 1.7	16 ± 0.3	13 ± 1.5	19 ± 3.2	13 ± 0.9
100.0	21 ± 1.5	22 ± 1.7	9 ± 0.6	15 ± 2.9	14 ± 1.5
333.0	17 ± 2.1	20 ± 2.0	17 ± 3.5	12 ± 2.6	13 ± 1.9
667.0		18 ± 3.8			
1000.0	10 ± 0.7[s]		10 ± 3.3	16 ± 1.7	14 ± 2.3
2000.0			9 ± 0.7		9 ± 1.5
3333.0	12 ± 4.5[s]			10 ± 1.5[s]	
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control[2]					74 ± 7.3
Positive Control[3]	356 ± 19.6	290 ± 7.8			
Positive Control[5]					
Positive Control[7]			262 ± 14.5	567 ± 18.6	

Experiment Number: **623410**

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

G06: Ames Summary Data

Test Compound: **N,N-Diethyl-m-toluamide**

CAS Number: **134-62-3**

Date Report Requested: **09/10/2018**

Time Report Requested: **16:22:32**

Strain: TA1535

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control[1]	17 ± 0.6
10.0	
33.0	15 ± 0.9
100.0	13 ± 0.9
333.0	11 ± 0.3
667.0	
1000.0	12 ± 3.0
2000.0	
3333.0	7 ± 0.3[s]
Trial Summary	Negative
Positive Control[2]	
Positive Control[3]	
Positive Control[5]	263 ± 6.4
Positive Control[7]	

Experiment Number: **623410**

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

G06: Ames Summary Data

Test Compound: **N,N-Diethyl-m-toluamide**

CAS Number: **134-62-3**

Date Report Requested: **09/10/2018**

Time Report Requested: **16:22:32**

Strain: TA97

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control[1]	126 ± 1.9	109 ± 3.8	111 ± 7.1	161 ± 6.8	110 ± 4.7
10.0		107 ± 9.2			
33.0	126 ± 2.8	96 ± 1.5	110 ± 7.1	149 ± 4.7	103 ± 4.7
100.0	117 ± 5.7	105 ± 9.2	108 ± 9.3	154 ± 2.9	121 ± 14.5
333.0	91 ± 1.5	95 ± 11.1	108 ± 7.4	135 ± 5.7	110 ± 0.6
667.0		80 ± 3.5[s]			
1000.0	80 ± 1.8[s]		112 ± 4.1	129 ± 4.1	110 ± 4.4
2000.0			49 ± 21.9[s]		121 ± 11.3
3333.0	20 ± 18.7[s]			83 ± 16.7[s]	
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control[8]	782 ± 38.1	437 ± 23.2			
Positive Control[4]					888 ± 19.9
Positive Control[7]			3222 ± 181.6		
Positive Control[9]				1602 ± 1.9	

Experiment Number: **623410**

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

G06: Ames Summary Data

Test Compound: **N,N-Diethyl-m-toluamide**

CAS Number: **134-62-3**

Date Report Requested: **09/10/2018**

Time Report Requested: **16:22:32**

Strain: TA97

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control[1]	128 ± 2.0
10.0	
33.0	145 ± 2.3
100.0	130 ± 3.2
333.0	140 ± 5.4
667.0	
1000.0	152 ± 3.2
2000.0	
3333.0	90 ± 2.3[s]
Trial Summary	Negative
Positive Control[8]	
Positive Control[4]	
Positive Control[7]	
Positive Control[9]	1380 ± 27.6

Experiment Number: **623410**

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

G06: Ames Summary Data

Test Compound: **N,N-Diethyl-m-toluamide**

CAS Number: **134-62-3**

Date Report Requested: **09/10/2018**

Time Report Requested: **16:22:32**

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 ± 0.3	17 ± 5.2	33 ± 2.1	28 ± 3.0	35 ± 2.3
10.0	19 ± 2.0	19 ± 2.4			
33.0	10 ± 0.6	17 ± 3.2	31 ± 1.5	28 ± 2.0	37 ± 4.3
100.0	21 ± 1.2	21 ± 2.3	31 ± 4.3	23 ± 4.1	30 ± 4.6
333.0	20 ± 2.1	21 ± 3.8	31 ± 3.8	23 ± 2.2	36 ± 3.4
667.0	16 ± 3.2	15 ± 1.9			
1000.0			29 ± 1.9	22 ± 0.3	34 ± 3.3
2000.0			22 ± 0.9[s]	26 ± 3.5	32 ± 4.2
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control[2]			210 ± 13.4		174 ± 7.0
Positive Control[5]				390 ± 19.5	
Positive Control[10]	341 ± 2.3	320 ± 2.9			

Experiment Number: **623410**

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

G06: Ames Summary Data

Test Compound: **N,N-Diethyl-m-toluamide**

CAS Number: **134-62-3**

Date Report Requested: **09/10/2018**

Time Report Requested: **16:22:32**

Strain: TA98

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control[1]	28 ± 1.5
10.0	
33.0	23 ± 0.9
100.0	24 ± 2.9
333.0	28 ± 5.0
667.0	
1000.0	29 ± 6.4
2000.0	28 ± 2.2
Trial Summary	Negative
Positive Control[2]	
Positive Control[5]	385 ± 9.6
Positive Control[10]	

LEGEND

Values given as Mean or Mean ± 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: 0.4 ug/Plate 2-Aminoanthracene
3: 0.5 ug/Plate Sodium Azide
4: 0.75 ug/Plate 2-Aminoanthracene
5: 1.0 ug/Plate 2-Aminoanthracene
6: 1.0 ug/Plate Sodium Azide
7: 2.0 ug/Plate 2-Aminoanthracene
8: 0.05 ug/Plate Solvent
9: 2.5 ug/Plate 2-Aminoanthracene
10: 1.0 ug/Plate 4-Nitro-O-Phenylenediamine
s: Slight Toxicity

** END OF REPORT **