Experiment Number: **A14805**

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

G06: Ames Summary Data

Test Compound: **N,N-Dimethyl-p-toluidine**

CAS Number: **99-97-8**

Date Report Requested: **09/16/2018**

Time Report Requested: **01:30:51**

NTP Study Number: A14805

Study Result: Negative

Experiment Number: **A14805**

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

G06: Ames Summary Data

Test Compound: **N,N-Dimethyl-p-toluidine**

CAS Number: **99-97-8**

Date Report Requested: **09/16/2018**

Time Report Requested: **01:30:51**

Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control[1]	169 ± 7.2	198 ± 12.8	178 ± 11.7	183 ± 4.5	180 ± 6.4
10.0	184 ± 11.9	204 ± 4.3	180 ± 3.0	136 ± 7.4	176 ± 2.5
33.0	182 ± 13.7	198 ± 4.4	173 ± 10.2	170 ± 11.3	188 ± 2.0
100.0	163 ± 15.5	200 ± 8.0	195 ± 9.8	177 ± 1.9	187 ± 10.3
333.0	92 ± 9.6[s]	166 ± 7.2	166 ± 5.2	79 ± 11.0[s]	154 ± 5.0
500.0	67 ± 8.8[s]			52 ± 6.2[s]	
1000.0		Toxic	2 ± 1.9[s]		Toxic
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control[2]					2198 ± 23.1
Positive Control[3]	669 ± 22.4	665 ± 14.3			
Positive Control[4]			855 ± 84.7		
Positive Control[5]					
Positive Control[6]				735 ± 45.6	

Experiment Number: **A14805**

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

G06: Ames Summary Data

Test Compound: **N,N-Dimethyl-p-toluidine**

CAS Number: **99-97-8**

Date Report Requested: **09/16/2018**

Time Report Requested: **01:30:51**

Strain: TA100

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control[1]	179 ± 9.9
10.0	166 ± 21.0
33.0	170 ± 13.2
100.0	165 ± 17.6
333.0	75 ± 2.7[s]
500.0	6 ± 1.2[s]
1000.0	
Trial Summary	Negative
Positive Control[2]	
Positive Control[3]	
Positive Control[4]	
Positive Control[5]	736 ± 22.1
Positive Control[6]	

Experiment Number: **A14805**

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

G06: Ames Summary Data

Test Compound: **N,N-Dimethyl-p-toluidine**

CAS Number: **99-97-8**

Date Report Requested: **09/16/2018**

Time Report Requested: **01:30:51**

Strain: TA1535

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 30% Rat S9
Vehicle Control[1]	22 ± 3.0	20 ± 0.9	15 ± 2.3	14 ± 2.2	16 ± 1.9
10.0	23 ± 1.0	17 ± 3.9	12 ± 0.6	15 ± 1.5	
33.0	18 ± 2.4	18 ± 2.3	12 ± 1.5	15 ± 2.2	18 ± 2.7
100.0	20 ± 3.8	19 ± 0.9	13 ± 1.9	18 ± 2.1	17 ± 4.7
333.0	20 ± 2.1	13 ± 0.9[s]	12 ± 1.8[s]	12 ± 2.3	14 ± 3.8
500.0	5 ± 1.2[s]			15 ± 2.1	14 ± 1.5
1000.0		Toxic	Toxic		1 ± 0.7[s]
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control[2]					
Positive Control[3]	273 ± 7.5	267 ± 39.6			
Positive Control[5]					
Positive Control[6]			339 ± 54.6	109 ± 16.8	135 ± 11.0

Experiment Number: **A14805**

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

G06: Ames Summary Data

Test Compound: **N,N-Dimethyl-p-toluidine**

CAS Number: **99-97-8**

Date Report Requested: **09/16/2018**

Time Report Requested: **01:30:51**

Strain: TA1535

Dose (ug/Plate)	With 10% Hamster S9	With 30% Hamster S9	With 30% Hamster S9
Vehicle Control[1]	16 ± 2.2	18 ± 5.5	14 ± 0.9
10.0	15 ± 2.4	16 ± 1.9	
33.0	13 ± 1.3	16 ± 0.9	16 ± 3.2
100.0	16 ± 0.9	16 ± 2.6	18 ± 2.0
333.0	9 ± 1.2[s]	18 ± 2.0	17 ± 3.0
500.0		14 ± 1.8	11 ± 3.2
1000.0	Toxic		0 ± 0.0[s]
Trial Summary	Negative	Negative	Negative
Positive Control[2]	192 ± 13.9		
Positive Control[3]			
Positive Control[5]		241 ± 16.4	295 ± 11.8
Positive Control[6]			

Experiment Number: **A14805**

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

G06: Ames Summary Data

Test Compound: **N,N-Dimethyl-p-toluidine**

CAS Number: **99-97-8**

Date Report Requested: **09/16/2018**

Time Report Requested: **01:30:51**

Strain: TA97

Dose (ug/Plate)	Without S9	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9
Vehicle Control[1]	114 ± 8.5	137 ± 11.7	146 ± 11.3	171 ± 8.3	181 ± 16.0
0.33		161 ± 2.2			
1.0		147 ± 7.2			
3.3		153 ± 5.0			
10.0	140 ± 7.5	134 ± 8.4	143 ± 9.0	163 ± 5.8	186 ± 15.0
33.0	123 ± 11.6	148 ± 7.2	146 ± 11.3	163 ± 5.2	168 ± 8.7
100.0	130 ± 9.5		146 ± 7.9	157 ± 4.3	194 ± 15.3
333.0	110 ± 12.7		114 ± 13.9[s]	133 ± 5.1[s]	193 ± 3.2
500.0	57 ± 20.0[s]				199 ± 5.0
1000.0			Toxic	23 ± 17.5[s]	
Trial Summary	Equivocal	Equivocal	Negative	Negative	Negative
Positive Control[4]					
Positive Control[6]				2072 ± 49.6	669 ± 11.6
Positive Control[7]	517 ± 91.7	699 ± 6.7	500 ± 53.6		

Experiment Number: **A14805**

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

G06: Ames Summary Data

Test Compound: **N,N-Dimethyl-p-toluidine**

CAS Number: **99-97-8**

Date Report Requested: **09/16/2018**

Time Report Requested: **01:30:51**

Strain: TA97

Dose (ug/Plate)	With 30% Rat S9	With 10% Hamster S9	With 30% Hamster S9	With 30% Hamster S9
Vehicle Control[1]	219 ± 5.8	171 ± 9.1	158 ± 2.1	146 ± 5.2
0.33				
1.0				
3.3				
10.0		170 ± 10.6	140 ± 17.0	
33.0	223 ± 12.1	157 ± 2.9	162 ± 2.6	188 ± 16.7
100.0	201 ± 6.9	149 ± 7.7	143 ± 13.0	178 ± 7.2
333.0	194 ± 23.9	146 ± 18.4[s]	183 ± 7.8	158 ± 1.8
500.0	164 ± 3.8		188 ± 5.8	150 ± 2.2[s]
1000.0	2 ± 0.3[s]	Toxic		0 ± 0.0[s]
Trial Summary	Negative	Negative	Equivocal	Equivocal
Positive Control[4]		1131 ± 6.6		
Positive Control[6]	664 ± 19.0		1048 ± 77.0	1553 ± 54.4
Positive Control[7]				

Experiment Number: **A14805**

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

G06: Ames Summary Data

Test Compound: **N,N-Dimethyl-p-toluidine**

CAS Number: **99-97-8**

Date Report Requested: **09/16/2018**

Time Report Requested: **01:30:51**

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 ± 1.5	13 ± 0.7	16 ± 1.7	23 ± 1.5	24 ± 3.1
10.0	14 ± 3.4	15 ± 2.8	22 ± 0.9	22 ± 0.3	22 ± 3.5
33.0	15 ± 1.7	15 ± 1.0	15 ± 1.9	23 ± 2.9	27 ± 3.5
100.0	16 ± 1.7	13 ± 1.9	22 ± 2.4	24 ± 5.3	25 ± 4.7
333.0	8 ± 0.3[s]	13 ± 1.2[s]	10 ± 3.0[s]	11 ± 0.6[s]	13 ± 2.8[s]
500.0	8 ± 0.9[s]			8 ± 0.6[s]	
1000.0		Toxic	0 ± 0.0[s]		0 ± 0.0[s]
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control[2]			688 ± 41.7		925 ± 23.3
Positive Control[8]	168 ± 25.3	167 ± 15.8			
Positive Control[5]				251 ± 34.0	

Experiment Number: **A14805**

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

G06: Ames Summary Data

Test Compound: **N,N-Dimethyl-p-toluidine**

CAS Number: **99-97-8**

Date Report Requested: **09/16/2018**

Time Report Requested: **01:30:51**

Strain: TA98

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control[1]	20 ± 2.6
10.0	19 ± 2.6
33.0	23 ± 2.2
100.0	16 ± 1.0
333.0	6 ± 1.0[s]
500.0	5 ± 1.8[s]
1000.0	
Trial Summary	Negative
Positive Control[2]	
Positive Control[8]	
Positive Control[5]	1038 ± 41.7

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: 2.0 ug/Plate 2-Aminoanthracene
7: 24.0 ug/Plate 9-Aminoacridine
8: 1.0 ug/Plate 4-Nitro-O-Phenylenediamine
s: Slight Toxicity

** END OF REPORT **