Experiment Number: **346797**

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

G06: Ames Summary Data

Test Compound: **Dimethylamine**

CAS Number: **124-40-3**

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

Time Report Requested: **15:05:16**

NTP Study Number: 346797

Study Result: Negative

Experiment Number: **346797**

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

G06: Ames Summary Data

Test Compound: **Dimethylamine**

CAS Number: **124-40-3**

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

Time Report Requested: **15:05:16**

Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9
Vehicle Control[1]	121 ± 7.5	136 ± 1.7	117 ± 10.1	126 ± 4.0	142 ± 3.8
100.0	119 ± 10.1	125 ± 10.5	126 ± 4.8	111 ± 8.0	130 ± 5.8
333.0	127 ± 2.7	145 ± 5.5	112 ± 9.5	115 ± 5.5	134 ± 4.9
1000.0	109 ± 4.8	128 ± 2.0	126 ± 4.4	103 ± 0.9	138 ± 6.4
2000.0			108 ± 7.6		
3333.0	Toxic	100 ± 7.0[s]	97 ± 11.5[s]	109 ± 8.5[s]	122 ± 0.3
6666.0	Toxic	Toxic		Toxic	Toxic
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control[2]					
Positive Control[3]				837 ± 60.9	1300 ± 19.3
Positive Control[4]	1472 ± 49.8	902 ± 18.5	2012 ± 55.2		

Experiment Number: **346797**

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

G06: Ames Summary Data

Test Compound: **Dimethylamine**

CAS Number: **124-40-3**

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

Time Report Requested: **15:05:16**

Strain: TA100

Dose (ug/Plate)	With 10% Rat S9	With 10% Hamster S9	With 10% Hamster S9	With 10% Hamster S9
Vehicle Control[1]	132 ± 16.2	104 ± 7.5	217 ± 19.2	107 ± 6.2
100.0	106 ± 7.0	107 ± 4.6	222 ± 8.5	124 ± 3.2
333.0	120 ± 0.9	117 ± 8.8	224 ± 8.5	116 ± 5.0
1000.0	127 ± 4.3	121 ± 9.9	205 ± 17.7	136 ± 4.4
2000.0	113 ± 16.4			115 ± 5.1
3333.0	117 ± 14.7	131 ± 5.8[s]	206 ± 16.0	129 ± 4.7[s]
6666.0		Toxic	Toxic	
Trial Summary	Negative	Negative	Negative	Negative
Positive Control[2]		1144 ± 56.4	1862 ± 60.3	1503 ± 72.7
Positive Control[3]	1255 ± 49.0			
Positive Control[4]				

Experiment Number: **346797**

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

G06: Ames Summary Data

Test Compound: **Dimethylamine**

CAS Number: **124-40-3**

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

Time Report Requested: **15:05:16**

Strain: TA1535

Dose (ug/Plate)	Without S9	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9
Vehicle Control[1]	18 ± 2.0	6 ± 2.0	21 ± 3.5	7 ± 1.7	15 ± 2.6
100.0	21 ± 2.4	11 ± 1.9	14 ± 1.2	9 ± 0.9	13 ± 1.2
333.0	14 ± 2.1	9 ± 0.9	15 ± 3.9	11 ± 2.7	14 ± 1.9
1000.0	15 ± 3.1[s]	11 ± 1.2	18 ± 3.2	12 ± 1.3	14 ± 2.3
2000.0			15 ± 3.0[s]		
3333.0	Toxic	12 ± 2.7[s]	Toxic	8 ± 0.6[s]	13 ± 3.5
4000.0					
6666.0	Toxic	Toxic		Toxic	Toxic
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control[2]					
Positive Control[3]				73 ± 4.3	80 ± 0.9
Positive Control[4]	704 ± 345.5	480 ± 20.3	1205 ± 65.2		

Experiment Number: **346797**

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

G06: Ames Summary Data

Test Compound: **Dimethylamine**

CAS Number: **124-40-3**

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

Time Report Requested: **15:05:16**

Strain: TA1535

Dose (ug/Plate)	With 10% Rat S9	With 10% Hamster S9	With 10% Hamster S9	With 10% Hamster S9
Vehicle Control[1]	10 ± 0.7	12 ± 2.3	9 ± 1.2	13 ± 1.5
100.0	15 ± 4.2	14 ± 0.6	11 ± 3.0	10 ± 1.2
333.0	10 ± 0.0	11 ± 1.3	14 ± 2.3	15 ± 1.8
1000.0	10 ± 1.7	13 ± 3.6	8 ± 0.0	10 ± 2.0
2000.0	14 ± 1.5		14 ± 2.0	12 ± 1.9[s]
3333.0	11 ± 1.2	8 ± 1.0[s]	18 ± 2.3	11 ± 1.2[s]
4000.0				16 ± 2.3[s]
6666.0		Toxic		
Trial Summary	Negative	Negative	Negative	Negative
Positive Control[2]		78 ± 5.6	106 ± 8.4	116 ± 7.2
Positive Control[3]	60 ± 1.7			
Positive Control[4]				

Experiment Number: **346797**

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

G06: Ames Summary Data

Test Compound: **Dimethylamine**

CAS Number: **124-40-3**

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

Time Report Requested: **15:05:16**

Strain: TA1537

Dose (ug/Plate)	Without S9	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9
Vehicle Control[1]	7 ± 1.7	5 ± 0.6	7 ± 2.0	10 ± 2.1	5 ± 2.0
100.0	7 ± 1.7	6 ± 0.6	8 ± 1.9	10 ± 2.7	6 ± 1.7
333.0	10 ± 3.1	8 ± 1.5	8 ± 1.3	10 ± 0.7	5 ± 1.2
1000.0	10 ± 1.2	5 ± 1.7	5 ± 0.3	8 ± 0.3	6 ± 2.0
2000.0			9 ± 2.8[s]		
3333.0	10 ± 1.2[s]	6 ± 0.9[s]	Toxic	8 ± 2.5[s]	5 ± 2.4
6666.0	Toxic	Toxic		Toxic	Toxic
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control[2]					
Positive Control[3]				107 ± 7.9	86 ± 7.2
Positive Control[5]	773 ± 162.2	348 ± 93.9	535 ± 18.1		

Experiment Number: **346797**

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

G06: Ames Summary Data

Test Compound: **Dimethylamine**

CAS Number: **124-40-3**

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

Time Report Requested: **15:05:16**

Strain: TA1537

Dose (ug/Plate)	With 10% Rat S9	With 10% Hamster S9	With 10% Hamster S9	With 10% Hamster S9
Vehicle Control[1]	8 ± 0.6	12 ± 1.2	6 ± 2.2	8 ± 0.9
100.0	9 ± 1.5	8 ± 2.0	4 ± 0.6	8 ± 0.3
333.0	10 ± 2.2	8 ± 0.9	4 ± 0.3	7 ± 1.2
1000.0	9 ± 0.6	9 ± 0.3	6 ± 0.9	5 ± 0.9
2000.0	11 ± 1.7			9 ± 0.3
3333.0	8 ± 0.6	8 ± 0.6[s]	6 ± 0.6	7 ± 0.6
6666.0		Toxic	Toxic	
Trial Summary	Negative	Negative	Negative	Negative
Positive Control[2]		180 ± 4.7	159 ± 4.4	184 ± 21.0
Positive Control[3]	133 ± 2.1			
Positive Control[5]				

Experiment Number: **346797**

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

G06: Ames Summary Data

Test Compound: **Dimethylamine**

CAS Number: **124-40-3**

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

Time Report Requested: **15:05:16**

Strain: TA98

Dose (ug/Plate)	Without S9	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9
Vehicle Control[1]	26 ± 2.6	21 ± 1.8	22 ± 4.4	31 ± 1.9	24 ± 6.2
100.0	21 ± 4.7	21 ± 1.5	25 ± 2.7	27 ± 1.2	20 ± 0.7
333.0	22 ± 0.7	20 ± 0.6	21 ± 1.7	27 ± 2.3	22 ± 3.1
1000.0	20 ± 4.7	22 ± 0.6	22 ± 0.7	31 ± 2.7	29 ± 2.3
2000.0			24 ± 1.8[s]		
3333.0	Toxic	25 ± 5.3[s]	20 ± 1.2[s]	18 ± 2.8[s]	21 ± 4.8
6666.0	Toxic	Toxic		Toxic	Toxic
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control[2]					
Positive Control[3]				885 ± 12.0	1369 ± 41.4
Positive Control[6]	1521 ± 50.0	1763 ± 44.7	2002 ± 38.4		

Experiment Number: **346797**

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

G06: Ames Summary Data

Test Compound: **Dimethylamine**

CAS Number: **124-40-3**

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

Time Report Requested: **15:05:16**

Strain: TA98

Dose (ug/Plate)	With 10% Rat S9	With 10% Hamster S9	With 10% Hamster S9	With 10% Hamster S9
Vehicle Control[1]	28 ± 3.2	28 ± 3.0	24 ± 4.2	34 ± 2.9
100.0	28 ± 1.5	23 ± 0.0	21 ± 1.5	25 ± 2.9
333.0	26 ± 1.2	30 ± 2.3	22 ± 4.0	28 ± 1.7
1000.0	31 ± 1.9	25 ± 5.8	30 ± 3.8	29 ± 6.2
2000.0	27 ± 1.2			26 ± 1.2
3333.0	27 ± 1.8	28 ± 2.7[s]	25 ± 0.9	29 ± 2.4
6666.0		Toxic	Toxic	
Trial Summary	Negative	Negative	Negative	Negative
Positive Control[2]		1043 ± 6.4	2014 ± 148.1	1270 ± 40.2
Positive Control[3]	1022 ± 55.2			
Positive Control[6]				

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: Water
2: 0.75 ug/Plate 2-Aminoanthracene
3: 1.5 ug/Plate 2-Aminoanthracene
4: 2.5 ug/Plate Sodium Azide
5: 80.0 ug/Plate 9-Aminoacridine
6: 12.0 ug/Plate 4-Nitro-O-Phenylenediamine
s: Slight Toxicity

** END OF REPORT **