Experiment Number: **903473**

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

G06: Ames Summary Data

Test Compound: **Dimethylamine**

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

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

Time Report Requested: **23:20:48**

NTP Study Number: 903473

Study Result: Negative

Experiment Number: **903473**

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

G06: Ames Summary Data

Test Compound: **Dimethylamine**

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

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

Time Report Requested: **23:20:48**

Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control[1]	145 ± 8.4	93 ± 8.0	123 ± 9.0	76 ± 2.5	120 ± 7.3
33.0		92 ± 5.4			
100.0	138 ± 8.0	91 ± 8.7	119 ± 9.2	77 ± 2.0	121 ± 7.5
333.0	137 ± 8.0	92 ± 6.4	131 ± 1.2	91 ± 0.6	120 ± 1.7
1000.0	139 ± 1.9	88 ± 6.3	129 ± 7.2	88 ± 5.2	115 ± 7.9
3333.0	126 ± 9.4	Toxic	115 ± 14.6	89 ± 11.0	113 ± 9.2
4500.0				86 ± 2.5	
6666.0	Toxic		Toxic		Toxic
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control[2]					1327 ± 29.2
Positive Control[3]			1009 ± 58.2	580 ± 31.2	
Positive Control[4]	2182 ± 26.4	2003 ± 16.5			

Experiment Number: **903473**

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

G06: Ames Summary Data

Test Compound: **Dimethylamine**

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

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

Time Report Requested: **23:20:48**

Strain: TA100

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control[1]	89 ± 9.1
33.0	
100.0	90 ± 3.1
333.0	80 ± 4.5
1000.0	92 ± 7.0
3333.0	88 ± 5.2
4500.0	82 ± 6.7
6666.0	
Trial Summary	Negative
Positive Control[2]	887 ± 78.0
Positive Control[3]	
Positive Control[4]	

Experiment Number: **903473**

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

G06: Ames Summary Data

Test Compound: **Dimethylamine**

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

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

Time Report Requested: **23:20:48**

Strain: TA1535

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control[1]	37 ± 4.4	24 ± 1.9	10 ± 1.0	13 ± 1.2	10 ± 1.5
33.0		21 ± 1.5			
100.0	34 ± 3.2	19 ± 2.5	10 ± 1.9	11 ± 0.9	10 ± 2.3
333.0	27 ± 6.5	20 ± 4.0	12 ± 1.2	10 ± 2.7	12 ± 3.5
1000.0	26 ± 4.0	16 ± 2.3	12 ± 3.2	8 ± 1.7	14 ± 1.2
3333.0	7 ± 0.9[s]	11 ± 1.5[s]	14 ± 2.1	9 ± 1.3	9 ± 1.0[s]
4500.0				8 ± 2.4	
6666.0	Toxic		Toxic		Toxic
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control[2]					164 ± 2.5
Positive Control[3]			77 ± 5.5	51 ± 2.7	
Positive Control[4]	1430 ± 103.4	1176 ± 36.1			

Experiment Number: **903473**

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

G06: Ames Summary Data

Test Compound: **Dimethylamine**

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

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

Time Report Requested: **23:20:48**

Strain: TA1535

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control[1]	8 ± 1.7
33.0	
100.0	7 ± 1.5
333.0	10 ± 0.6
1000.0	7 ± 1.2
3333.0	8 ± 1.2
4500.0	9 ± 1.8[s]
6666.0	
Trial Summary	Negative
Positive Control[2]	80 ± 1.9
Positive Control[3]	
Positive Control[4]	

Experiment Number: **903473**

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

G06: Ames Summary Data

Test Compound: **Dimethylamine**

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

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

Time Report Requested: **23:20:48**

Strain: TA1537

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control[1]	9 ± 2.1	4 ± 1.5	8 ± 1.3	8 ± 1.5	10 ± 3.1
33.0		8 ± 1.0			
100.0	3 ± 0.3	8 ± 0.6	8 ± 1.5	8 ± 2.6	7 ± 1.2
333.0	7 ± 0.7	5 ± 1.3	8 ± 2.0	6 ± 2.2	7 ± 1.2
1000.0	7 ± 1.0[s]	5 ± 1.5	8 ± 1.5	5 ± 1.7	9 ± 2.7
3333.0	9 ± 0.3[s]	6 ± 0.7[s]	5 ± 1.2	10 ± 0.3	6 ± 2.0
4500.0				6 ± 3.3	
6666.0	Toxic		Toxic		8 ± 1.5[s]
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control[2]					101 ± 29.8
Positive Control[3]			91 ± 8.7	58 ± 8.7	
Positive Control[5]	516 ± 46.8	573 ± 199.4			

Experiment Number: **903473**

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

G06: Ames Summary Data

Test Compound: **Dimethylamine**

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

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

Time Report Requested: **23:20:48**

Strain: TA1537

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control[1]	4 ± 0.9
33.0	
100.0	6 ± 0.9
333.0	6 ± 2.3
1000.0	8 ± 0.3
3333.0	7 ± 1.5
4500.0	6 ± 1.3
6666.0	
Trial Summary	Negative
Positive Control[2]	94 ± 4.2
Positive Control[3]	
Positive Control[5]	

Experiment Number: **903473**

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

G06: Ames Summary Data

Test Compound: **Dimethylamine**

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

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

Time Report Requested: **23:20:48**

Strain: TA98

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control[1]	27 ± 3.5	18 ± 5.2	22 ± 2.0	24 ± 3.2	25 ± 3.0
33.0		20 ± 2.7			
100.0	21 ± 1.9	15 ± 2.8	28 ± 3.5	17 ± 1.0	27 ± 3.6
333.0	19 ± 1.0	17 ± 4.8	22 ± 1.5	17 ± 2.7	24 ± 2.1
1000.0	19 ± 1.2	17 ± 1.2	23 ± 2.7	24 ± 3.0	22 ± 2.4
3333.0	Toxic	Toxic	26 ± 1.2	22 ± 1.5	23 ± 2.0
4500.0				20 ± 1.5	
6666.0	Toxic		31 ± 2.4[s]		Toxic
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control[2]					1250 ± 39.8
Positive Control[3]			858 ± 55.8	639 ± 64.7	
Positive Control[6]	2026 ± 24.2	840 ± 81.5			

Experiment Number: **903473**

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

G06: Ames Summary Data

Test Compound: **Dimethylamine**

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

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

Time Report Requested: **23:20:48**

Strain: TA98

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control[1]	20 ± 0.6
33.0	
100.0	24 ± 2.2
333.0	20 ± 2.0
1000.0	20 ± 3.9
3333.0	19 ± 5.0
4500.0	19 ± 1.2
6666.0	
Trial Summary	Negative
Positive Control[2]	1011 ± 82.4
Positive Control[3]	
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 **