NTP Study Number: 717668

Study Result: Negative

Experiment Number: **717668**

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

G06: Ames Summary Data

Test Compound: **N,N,N',N'-Tetramethylethylenediamine**

CAS Number: **110-18-9**

Date Report Requested: **09/12/2018**

Time Report Requested: **00:20:19**

Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control[1]	130 ± 5.3	98 ± 2.5	126 ± 6.4	115 ± 12.7	131 ± 3.2
100.0	112 ± 12.5	98 ± 6.6	112 ± 6.4	107 ± 9.9	142 ± 6.6
333.0	124 ± 11.5	78 ± 5.0	138 ± 8.5	115 ± 3.8	141 ± 3.2
1000.0	116 ± 8.4	89 ± 5.6	124 ± 11.9	109 ± 12.1	148 ± 5.2
3333.0	117 ± 8.4	78 ± 5.5	120 ± 5.7	106 ± 8.4	148 ± 3.5
10000.0	123 ± 9.1	78 ± 1.8[S]	137 ± 13.7	107 ± 9.1	188 ± 4.9[S]
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control[2]	319 ± 18.0	360 ± 13.1			
Positive Control[3]			484 ± 15.3	449 ± 22.1	1322 ± 122.9

Experiment Number: **717668**

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

G06: Ames Summary Data

Test Compound: **N,N,N',N'-Tetramethylethylenediamine**

CAS Number: **110-18-9**

Date Report Requested: **09/12/2018**

Time Report Requested: **00:20:19**

Strain: TA100

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control[1]	117 ± 15.0
100.0	114 ± 6.7
333.0	115 ± 8.0
1000.0	107 ± 7.4
3333.0	127 ± 11.9
10000.0	81 ± 12.3[s]
Trial Summary	Negative
Positive Control[2]	
Positive Control[3]	1207 ± 26.5

Experiment Number: **717668**

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

G06: Ames Summary Data

Test Compound: **N,N,N',N'-Tetramethylethylenediamine**

CAS Number: **110-18-9**

Date Report Requested: **09/12/2018**

Time Report Requested: **00:20:19**

Strain: TA1535

Dose (ug/Plate)	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9	With 10% Hamster S9
Vehicle Control[1]	15 ± 3.8	10 ± 1.3	8 ± 3.4	19 ± 2.8	5 ± 0.6
100.0	17 ± 2.3	15 ± 3.2	12 ± 2.6	16 ± 1.5	6 ± 0.6
333.0	16 ± 1.3	9 ± 1.5	9 ± 3.2	13 ± 0.3	7 ± 2.6
1000.0	17 ± 4.9	7 ± 1.2	7 ± 3.0	13 ± 0.9	11 ± 2.7
3333.0	15 ± 1.7	16 ± 0.7	12 ± 0.0	16 ± 2.1	9 ± 2.0
10000.0	12 ± 3.7	12 ± 6.2[s]	6 ± 1.5	10 ± 2.4	13 ± 0.9[s]
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control[2]	340 ± 16.8			313 ± 9.0	
Positive Control[4]		198 ± 7.5	200 ± 17.9		340 ± 5.5

Experiment Number: **717668**

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

G06: Ames Summary Data

Test Compound: **N,N,N',N'-Tetramethylethylenediamine**

CAS Number: **110-18-9**

Date Report Requested: **09/12/2018**

Time Report Requested: **00:20:19**

Strain: TA1535

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control[1]	7 ± 1.0
100.0	7 ± 2.8
333.0	10 ± 2.5
1000.0	7 ± 0.9
3333.0	15 ± 1.7
10000.0	17 ± 0.7
Trial Summary	Negative
Positive Control[2]	
Positive Control[4]	460 ± 10.7

Experiment Number: **717668**

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

G06: Ames Summary Data

Test Compound: **N,N,N',N'-Tetramethylethylenediamine**

CAS Number: **110-18-9**

Date Report Requested: **09/12/2018**

Time Report Requested: **00:20:19**

Strain: TA1537

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control[1]	7 ± 0.9	6 ± 0.9	5 ± 0.6	5 ± 1.5	6 ± 0.3
100.0	6 ± 1.5	4 ± 0.9	9 ± 2.7	10 ± 1.9	7 ± 0.9
333.0	9 ± 2.0	7 ± 2.4	6 ± 1.0	4 ± 0.9	9 ± 3.2
1000.0	6 ± 2.0	7 ± 0.3	12 ± 1.9	5 ± 3.3	9 ± 0.3
3333.0	8 ± 2.3	6 ± 3.0	8 ± 2.8	4 ± 1.5	7 ± 1.2
10000.0	5 ± 1.0	5 ± 1.5	9 ± 1.5	5 ± 0.9	7 ± 3.0[s]
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control[4]			138 ± 8.4	129 ± 8.2	511 ± 10.7
Positive Control[5]	375 ± 36.1	298 ± 37.1			

Strain: TA1537

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control[1]	8 ± 0.3
100.0	5 ± 1.0
333.0	3 ± 0.7
1000.0	7 ± 2.6
3333.0	6 ± 0.6
10000.0	5 ± 1.5
Trial Summary	Negative
Positive Control[4]	341 ± 29.2
Positive Control[5]	

Experiment Number: **717668**

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

G06: Ames Summary Data

Test Compound: **N,N,N',N'-Tetramethylethylenediamine**

CAS Number: **110-18-9**

Date Report Requested: **09/12/2018**

Time Report Requested: **00:20:19**

Strain: TA98

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control[1]	17 ± 0.9	16 ± 1.7	17 ± 2.6	24 ± 1.5	23 ± 4.4
100.0	14 ± 0.7	11 ± 2.7	26 ± 2.6	28 ± 1.5	30 ± 2.5
333.0	18 ± 1.9	19 ± 3.6	27 ± 1.0	22 ± 2.7	22 ± 4.0
1000.0	12 ± 2.0	11 ± 2.3	27 ± 5.6	25 ± 2.6	31 ± 2.6
3333.0	17 ± 1.2	13 ± 2.3	27 ± 3.1	17 ± 5.7	26 ± 1.5
10000.0	13 ± 2.3	13 ± 3.7	23 ± 4.2	22 ± 4.4	23 ± 2.9[s]
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control[3]			330 ± 20.7	131 ± 23.5	1276 ± 31.8
Positive Control[6]	520 ± 46.8	637 ± 31.3			

Strain: TA98

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control[1]	25 ± 3.2
100.0	31 ± 1.5
333.0	27 ± 4.2
1000.0	28 ± 3.8
3333.0	27 ± 4.0
10000.0	0 ± 0.0[s]
Trial Summary	Negative
Positive Control[3]	579 ± 25.8
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: 1.0 ug/Plate Sodium Azide
3: 1.0 ug/Plate 2-Aminoanthracene
4: 2.5 ug/Plate 2-Aminoanthracene
5: 50.0 ug/Plate 9-Aminoacridine
6: 5.0 ug/Plate 4-Nitro-O-Phenylenediamine
s: Slight Toxicity

** END OF REPORT **