Experiment Number: **979710**

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

G06: Ames Summary Data

Test Compound: **N-Methyldiethanolamine**

CAS Number: **105-59-9**

Date Report Requested: **09/18/2018**

Time Report Requested: **03:13:30**

NTP Study Number: 979710

Study Result: Negative

Experiment Number: **979710**

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

G06: Ames Summary Data

Test Compound: **N-Methyldiethanolamine**

CAS Number: **105-59-9**

Date Report Requested: **09/18/2018**

Time Report Requested: **03:13:30**

Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control[1]	162 ± 11.2	191 ± 9.3	150 ± 6.8	192 ± 4.2	163 ± 4.7
33.0	173 ± 6.1	199 ± 9.6	161 ± 4.1		158 ± 4.3
100.0	163 ± 7.3	203 ± 3.2	163 ± 17.9	182 ± 1.2	169 ± 8.8
333.0	151 ± 7.5	198 ± 6.3	146 ± 4.6	191 ± 7.2	152 ± 7.9
1000.0	174 ± 7.2	188 ± 6.7	133 ± 6.2	191 ± 4.3	151 ± 4.1
2000.0	177 ± 3.5				
3333.0		181 ± 11.6[s]	136 ± 2.8	192 ± 3.7	147 ± 2.3
10000.0				205 ± 5.8[s]	
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control[2]					1207 ± 54.1
Positive Control[3]			881 ± 6.5	1493 ± 107.0	
Positive Control[4]	1264 ± 121.7	1671 ± 36.1			

Experiment Number: **979710**

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

G06: Ames Summary Data

Test Compound: **N-Methyldiethanolamine**

CAS Number: **105-59-9**

Date Report Requested: **09/18/2018**

Time Report Requested: **03:13:30**

Strain: TA100

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control[1]	177 ± 4.2
33.0	
100.0	173 ± 0.3
333.0	183 ± 4.9
1000.0	159 ± 6.3
2000.0	
3333.0	165 ± 7.4
10000.0	200 ± 8.2[s]
Trial Summary	Negative
Positive Control[2]	1320 ± 24.1
Positive Control[3]	
Positive Control[4]	

Experiment Number: **979710**

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

G06: Ames Summary Data

Test Compound: **N-Methyldiethanolamine**

CAS Number: **105-59-9**

Date Report Requested: **09/18/2018**

Time Report Requested: **03:13:30**

Strain: TA1535

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control[1]	36 ± 3.2	30 ± 1.8	15 ± 2.3	20 ± 4.2	15 ± 2.2
33.0	27 ± 5.2	42 ± 3.2	10 ± 1.2		9 ± 3.5
100.0	22 ± 1.5	42 ± 4.4	10 ± 1.2	16 ± 4.0	11 ± 2.7
333.0	25 ± 2.0	41 ± 2.9	11 ± 0.7	18 ± 2.3	11 ± 1.0
1000.0	21 ± 1.0	36 ± 0.9	9 ± 0.9	17 ± 1.2	9 ± 1.2
2000.0	18 ± 2.9				
3333.0		28 ± 0.9[s]	10 ± 2.1	18 ± 0.7	13 ± 1.9
10000.0				21 ± 2.3[s]	
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control[2]					133 ± 9.1
Positive Control[3]			115 ± 0.9	134 ± 5.0	
Positive Control[4]	1038 ± 51.9	1493 ± 47.2			

Experiment Number: **979710**

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

G06: Ames Summary Data

Test Compound: **N-Methyldiethanolamine**

CAS Number: **105-59-9**

Date Report Requested: **09/18/2018**

Time Report Requested: **03:13:30**

Strain: TA1535

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control[1]	21 ± 3.5
33.0	
100.0	24 ± 1.8
333.0	17 ± 2.3
1000.0	22 ± 1.9
2000.0	
3333.0	17 ± 1.5
10000.0	28 ± 2.1[s]
Trial Summary	Negative
Positive Control[2]	125 ± 8.4
Positive Control[3]	
Positive Control[4]	

Experiment Number: **979710**

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

G06: Ames Summary Data

Test Compound: **N-Methyldiethanolamine**

CAS Number: **105-59-9**

Date Report Requested: **09/18/2018**

Time Report Requested: **03:13:30**

Strain: TA1537

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control[1]	4 ± 1.5	4 ± 1.2	7 ± 2.5	5 ± 1.5	8 ± 1.5
33.0	3 ± 0.7	7 ± 0.0	7 ± 2.3		5 ± 1.2
100.0	4 ± 0.9	5 ± 0.3	8 ± 2.7	11 ± 0.0	7 ± 0.6
333.0	4 ± 0.9	8 ± 1.2	6 ± 1.9	7 ± 1.5	6 ± 1.5
1000.0	6 ± 2.2	6 ± 0.9	9 ± 2.0	12 ± 2.8	6 ± 2.3
2000.0	5 ± 0.9				
3333.0		9 ± 2.2[s]	5 ± 3.4	9 ± 0.9	7 ± 1.5
10000.0				10 ± 2.7[s]	
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control[2]					103 ± 2.2
Positive Control[3]			82 ± 9.2	118 ± 6.1	
Positive Control[5]	482 ± 35.5	99 ± 4.9			

Experiment Number: **979710**

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

G06: Ames Summary Data

Test Compound: **N-Methyldiethanolamine**

CAS Number: **105-59-9**

Date Report Requested: **09/18/2018**

Time Report Requested: **03:13:30**

Strain: TA1537

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control[1]	6 ± 2.5
33.0	
100.0	6 ± 2.3
333.0	9 ± 2.0
1000.0	6 ± 0.6
2000.0	
3333.0	8 ± 0.3
10000.0	6 ± 2.2[s]
Trial Summary	Negative
Positive Control[2]	103 ± 3.5
Positive Control[3]	
Positive Control[5]	

Experiment Number: **979710**

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

G06: Ames Summary Data

Test Compound: **N-Methyldiethanolamine**

CAS Number: **105-59-9**

Date Report Requested: **09/18/2018**

Time Report Requested: **03:13:30**

Strain: TA98

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control[1]	23 ± 1.5	19 ± 2.5	29 ± 1.0	32 ± 2.6	35 ± 2.2
33.0	17 ± 1.3	23 ± 0.3	27 ± 2.3		38 ± 5.4
100.0	23 ± 1.5	25 ± 5.5	29 ± 1.7	25 ± 3.6	29 ± 3.1
333.0	20 ± 1.9	18 ± 3.5	25 ± 1.8	31 ± 4.2	36 ± 3.8
1000.0	18 ± 1.2	22 ± 2.7	31 ± 1.5	23 ± 4.6	32 ± 2.9
2000.0	19 ± 3.2				
3333.0		25 ± 2.7[s]	31 ± 2.8	22 ± 1.5	36 ± 1.5
10000.0				22 ± 0.6[s]	
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control[2]					1021 ± 12.1
Positive Control[3]			765 ± 7.5	1044 ± 51.3	
Positive Control[6]	1407 ± 91.7	1708 ± 57.6			

Experiment Number: **979710**

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

G06: Ames Summary Data

Test Compound: **N-Methyldiethanolamine**

CAS Number: **105-59-9**

Date Report Requested: **09/18/2018**

Time Report Requested: **03:13:30**

Strain: TA98

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control[1]	30 ± 1.5
33.0	
100.0	26 ± 1.7
333.0	29 ± 6.4
1000.0	24 ± 1.9
2000.0	
3333.0	22 ± 2.4
10000.0	27 ± 2.0[s]
Trial Summary	Negative
Positive Control[2]	829 ± 77.9
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 **