NTP Study Number: 933027

Study Result: Equivocal

Experiment Number: **933027**

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

G06: Ames Summary Data

Test Compound: **Monoisopropanolamine**

CAS Number: **78-96-6**

Date Report Requested: **09/17/2018**

Time Report Requested: **11:37:58**

Strain: TA100

Dose (ug/Plate)	Without S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control[1]	135 ± 2.0	139 ± 5.6	141 ± 6.8
33.0	152 ± 4.0	132 ± 14.4	144 ± 8.7
100.0	141 ± 3.8	138 ± 5.8	140 ± 12.2
333.0	148 ± 4.2	149 ± 11.1	140 ± 5.5
1000.0	155 ± 0.9	124 ± 4.3	128 ± 6.4
3333.0	130 ± 7.8[s]	156 ± 6.5[s]	159 ± 7.0[s]
Trial Summary	Negative	Negative	Negative
Positive Control[2]			1452 ± 83.5
Positive Control[3]		947 ± 33.3	
Positive Control[4]	1298 ± 63.2		

Experiment Number: **933027**

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

G06: Ames Summary Data

Test Compound: **Monoisopropanolamine**

CAS Number: **78-96-6**

Date Report Requested: **09/17/2018**

Time Report Requested: **11:37:58**

Strain: TA1535

Dose (ug/Plate)	Without S9	Without S9	Without S9	Without S9	With 10% Rat S9
Vehicle Control[1]	27 ± 5.0	54 ± 6.4	7 ± 1.2	36 ± 3.6	9 ± 1.5
33.0	30 ± 1.5				7 ± 2.6
100.0	30 ± 4.4	51 ± 4.2	7 ± 0.9	34 ± 0.9	11 ± 1.2
333.0	27 ± 4.4	45 ± 2.2	6 ± 1.5	32 ± 5.0	9 ± 0.9
1000.0	20 ± 1.5	47 ± 3.8	4 ± 0.7	23 ± 4.8	7 ± 1.8
1800.0		34 ± 3.8	5 ± 1.3	28 ± 1.3	
2800.0		25 ± 0.9[s]	4 ± 1.0[s]	23 ± 2.0[s]	
3333.0	12 ± 3.8[s]	25 ± 4.5[s]	4 ± 0.9[s]	16 ± 3.2[s]	17 ± 2.5[s]
3500.0		16 ± 0.6[s]	3 ± 0.6[s]	21 ± 0.3[s]	
4000.0		13 ± 1.7[s]	2 ± 0.6[s]	17 ± 2.1[s]	
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control[2]					
Positive Control[3]					98 ± 6.4
Positive Control[4]	1005 ± 61.0	1484 ± 111.0	869 ± 23.8	1124 ± 41.3	

Experiment Number: **933027**

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

G06: Ames Summary Data

Test Compound: **Monoisopropanolamine**

CAS Number: **78-96-6**

Date Report Requested: **09/17/2018**

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Strain: TA1535

Dose (ug/Plate)	With 10% Rat S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9	With 10% Hamster S9
Vehicle Control[1]	9 ± 0.7	7 ± 1.5	11 ± 0.0	9 ± 0.9	11 ± 3.2
33.0				11 ± 2.2	
100.0	10 ± 0.6	7 ± 1.9	11 ± 1.3	11 ± 1.0	9 ± 1.0
333.0	14 ± 2.8	6 ± 0.7	7 ± 0.3	14 ± 0.9	14 ± 1.2
1000.0	14 ± 0.7	5 ± 1.5	9 ± 0.7	10 ± 1.2	9 ± 0.3
1800.0	15 ± 1.9	5 ± 1.7	13 ± 3.2		24 ± 1.9
2800.0	33 ± 4.3[s]	8 ± 2.0	32 ± 2.1		30 ± 2.9[s]
3333.0	32 ± 2.6[s]	6 ± 2.2[s]	32 ± 2.2[s]	27 ± 1.7[s]	20 ± 1.8[s]
3500.0	20 ± 1.5[s]	6 ± 1.0[s]	26 ± 2.2[s]		18 ± 2.7[s]
4000.0	26 ± 5.1[s]	4 ± 1.7[s]	23 ± 3.3[s]		21 ± 0.9[s]
Trial Summary	Positive	Negative	Positive	Equivocal	Weakly Positive
Positive Control[2]				124 ± 3.5	99 ± 2.3
Positive Control[3]	95 ± 11.4	83 ± 4.7	103 ± 13.6		
Positive Control[4]					

Experiment Number: **933027**

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

G06: Ames Summary Data

Test Compound: **Monoisopropanolamine**

CAS Number: **78-96-6**

Date Report Requested: **09/17/2018**

Time Report Requested: **11:37:58**

Strain: TA1535

Dose (ug/Plate)	With 10% Hamster S9	With 10% Hamster S9
Vehicle Control[1]	9 ± 2.5	5 ± 1.0
33.0		
100.0	8 ± 1.2	10 ± 2.3
333.0	6 ± 0.7	11 ± 2.0
1000.0	7 ± 1.3	11 ± 4.2
1800.0	10 ± 1.3	29 ± 0.7
2800.0	5 ± 0.6	28 ± 6.6
3333.0	8 ± 2.1[s]	24 ± 2.7[s]
3500.0	6 ± 1.5[s]	25 ± 4.7[s]
4000.0	3 ± 0.3[s]	15 ± 2.4[s]
Trial Summary	Negative	Positive
Positive Control[2]	85 ± 2.3	231 ± 16.1
Positive Control[3]		
Positive Control[4]		

Experiment Number: **933027**

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

G06: Ames Summary Data

Test Compound: **Monoisopropanolamine**

CAS Number: **78-96-6**

Date Report Requested: **09/17/2018**

Time Report Requested: **11:37:58**

Strain: TA1537

Dose (ug/Plate)	Without S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control[1]	8 ± 1.7	8 ± 0.9	10 ± 1.7
33.0	7 ± 2.9	11 ± 2.9	12 ± 1.5
100.0	7 ± 0.3	9 ± 0.9	13 ± 1.7
333.0	6 ± 1.8	7 ± 1.0	7 ± 1.2
1000.0	6 ± 0.6	8 ± 0.3	7 ± 1.3
3333.0	4 ± 1.2[s]	5 ± 0.3[s]	4 ± 0.3[s]
Trial Summary	Negative	Negative	Negative
Positive Control[2]			124 ± 6.1
Positive Control[3]		97 ± 2.9	
Positive Control[5]	87 ± 12.3		

Experiment Number: **933027**

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

G06: Ames Summary Data

Test Compound: **Monoisopropanolamine**

CAS Number: **78-96-6**

Date Report Requested: **09/17/2018**

Time Report Requested: **11:37:58**

Strain: TA98

Dose (ug/Plate)	Without S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control[1]	18 ± 2.0	24 ± 1.2	30 ± 0.6
33.0	19 ± 2.6	25 ± 4.4	36 ± 1.5
100.0	25 ± 2.9	30 ± 6.3	43 ± 1.9
333.0	17 ± 2.3	33 ± 0.7	25 ± 2.1
1000.0	21 ± 3.3	26 ± 4.1	31 ± 4.5
3333.0	8 ± 3.5[s]	20 ± 1.8[s]	20 ± 4.3[s]
Trial Summary	Negative	Negative	Negative
Positive Control[2]			935 ± 33.9
Positive Control[3]		637 ± 42.8	
Positive Control[6]	1475 ± 103.9		

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 **