NTP Study Number: 388109

Study Result: Negative

Experiment Number: **388109**

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

G06: Ames Summary Data

Test Compound: **Trichloromelamine**

CAS Number: **7673-09-8**

Date Report Requested: **09/14/2018**

Time Report Requested: **09:40:56**

Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 30% Rat S9
Vehicle Control[1]	112 ± 9.7	121 ± 3.2	160 ± 9.5	121 ± 2.5	178 ± 3.0
0.1	114 ± 7.8	115 ± 2.3			
0.3	131 ± 9.9	125 ± 8.3			
1.0	121 ± 8.1	125 ± 7.4		119 ± 5.5	
3.3	123 ± 2.7	118 ± 4.5	156 ± 5.6	114 ± 4.2	165 ± 12.5
5.0		129 ± 7.6			
10.0	0 ± 0.0[s]		144 ± 5.9	112 ± 4.3	183 ± 11.1
33.0			135 ± 2.9	109 ± 12.2	152 ± 2.1
67.0				20 ± 16.9[s]	
100.0			Toxic		178 ± 8.5
200.0					150 ± 7.7
333.0			Toxic		
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control[2]					
Positive Control[3]	587 ± 11.6	617 ± 21.2			
Positive Control[4]			1028 ± 15.5	1056 ± 57.7	
Positive Control[5]					
Positive Control[6]					1782 ± 9.0

Experiment Number: **388109**

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

G06: Ames Summary Data

Test Compound: **Trichloromelamine**

CAS Number: **7673-09-8**

Date Report Requested: **09/14/2018**

Time Report Requested: **09:40:56**

Strain: TA100

Dose (ug/Plate)	With 10% Hamster S9	With 10% Hamster S9	With 30% Hamster S9
Vehicle Control[1]	139 ± 3.5	108 ± 6.1	159 ± 3.4
0.1			
0.3			
1.0		108 ± 5.5	
3.3	131 ± 8.8	116 ± 3.2	154 ± 9.8
5.0			
10.0	141 ± 2.8	116 ± 10.5	163 ± 8.4
33.0	136 ± 6.4	114 ± 10.8	169 ± 9.6
67.0		24 ± 24.3[s]	
100.0	0 ± 0.0[s]		151 ± 6.2
200.0			158 ± 10.7
333.0	Toxic		
Trial Summary	Negative	Negative	Negative
Positive Control[2]	308 ± 8.8	420 ± 19.7	
Positive Control[3]			
Positive Control[4]			
Positive Control[5]			996 ± 58.6
Positive Control[6]			

Experiment Number: **388109**

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

G06: Ames Summary Data

Test Compound: **Trichloromelamine**

CAS Number: **7673-09-8**

Date Report Requested: **09/14/2018**

Time Report Requested: **09:40:56**

Strain: TA1535

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 30% Rat S9
Vehicle Control[1]	5 ± 1.2	8 ± 1.2	13 ± 3.7	12 ± 0.9	15 ± 2.3
0.1	10 ± 0.3	8 ± 0.9			
0.3	14 ± 1.7	12 ± 1.3			
1.0	9 ± 0.3	9 ± 2.7		11 ± 1.8	
3.3	10 ± 1.5	8 ± 0.7	14 ± 4.2	10 ± 3.0	14 ± 1.5
5.0	6 ± 1.8	10 ± 2.7			
10.0			9 ± 1.3	9 ± 0.7	13 ± 0.7
33.0			12 ± 1.9	11 ± 0.9	17 ± 2.0
67.0				0 ± 0.0[s]	
100.0			Toxic		14 ± 0.6
333.0			Toxic		10 ± 1.5[s]
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control[2]					
Positive Control[3]	369 ± 1.0	343 ± 17.7			
Positive Control[5]					
Positive Control[6]			201 ± 4.3	139 ± 6.6	151 ± 19.1

Experiment Number: **388109**

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

G06: Ames Summary Data

Test Compound: **Trichloromelamine**

CAS Number: **7673-09-8**

Date Report Requested: **09/14/2018**

Time Report Requested: **09:40:56**

Strain: TA1535

Dose (ug/Plate)	With 10% Hamster S9	With 10% Hamster S9	With 30% Hamster S9
Vehicle Control[1]	8 ± 0.9	10 ± 0.3	13 ± 3.4
0.1			
0.3			
1.0		9 ± 2.3	
3.3	11 ± 2.0	9 ± 2.4	11 ± 0.6
5.0			
10.0	11 ± 0.7	15 ± 1.8	10 ± 2.3
33.0	11 ± 3.5	8 ± 3.8	13 ± 3.6
67.0		1 ± 0.7[s]	
100.0	0 ± 0.0[s]		16 ± 0.9
333.0	Toxic		13 ± 1.2
Trial Summary	Negative	Negative	Negative
Positive Control[2]	52 ± 6.1	37 ± 3.8	
Positive Control[3]			
Positive Control[5]			102 ± 10.7
Positive Control[6]			

Experiment Number: **388109**

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

G06: Ames Summary Data

Test Compound: **Trichloromelamine**

CAS Number: **7673-09-8**

Date Report Requested: **09/14/2018**

Time Report Requested: **09:40:56**

Strain: TA97

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 30% Rat S9
Vehicle Control[1]	118 ± 2.1	129 ± 3.8	157 ± 2.0	144 ± 8.4	211 ± 8.0
0.1	124 ± 3.2	126 ± 7.0			
0.3	115 ± 8.3	116 ± 6.0			
1.0	114 ± 9.5	121 ± 4.2		162 ± 3.4	
3.3	124 ± 4.7	104 ± 10.7	159 ± 5.8	166 ± 7.0	163 ± 1.9
5.0	122 ± 1.3	131 ± 8.4			
10.0			151 ± 7.3	156 ± 4.3	169 ± 13.3
33.0			130 ± 4.3	147 ± 12.8	153 ± 3.8
67.0				31 ± 6.4[s]	
100.0			0 ± 0.0[s]		78 ± 6.7[s]
333.0			Toxic		71 ± 33.0[s]
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control[4]					
Positive Control[6]			3105 ± 134.6	2350 ± 85.4	712 ± 47.1
Positive Control[7]	415 ± 28.9	419 ± 22.4			

Experiment Number: **388109**

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

G06: Ames Summary Data

Test Compound: **Trichloromelamine**

CAS Number: **7673-09-8**

Date Report Requested: **09/14/2018**

Time Report Requested: **09:40:56**

Strain: TA97

Dose (ug/Plate)	With 10% Hamster S9	With 10% Hamster S9	With 30% Hamster S9
Vehicle Control[1]	144 ± 8.4	151 ± 3.5	165 ± 7.4
0.1			
0.3			
1.0		156 ± 6.7	
3.3	136 ± 6.2	159 ± 4.2	156 ± 4.7
5.0			
10.0	149 ± 6.1	157 ± 4.9	153 ± 4.7
33.0	147 ± 2.0	153 ± 4.4	144 ± 3.8
67.0		14 ± 11.4[s]	
100.0	1 ± 0.6[s]		179 ± 3.7
333.0	Toxic		153 ± 4.4
Trial Summary	Negative	Negative	Negative
Positive Control[4]	1141 ± 104.2	1203 ± 39.1	
Positive Control[6]			1512 ± 87.1
Positive Control[7]			

Experiment Number: **388109**

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

G06: Ames Summary Data

Test Compound: **Trichloromelamine**

CAS Number: **7673-09-8**

Date Report Requested: **09/14/2018**

Time Report Requested: **09:40:56**

Strain: TA98

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 30% Rat S9
Vehicle Control[1]	18 ± 4.1	17 ± 1.0	27 ± 2.0	33 ± 0.9	36 ± 3.5
0.1	23 ± 2.9	19 ± 1.5			
0.3	17 ± 2.5	18 ± 2.8			
1.0	19 ± 3.8	17 ± 2.7		27 ± 2.8	
3.3	17 ± 1.7	16 ± 1.5	27 ± 2.9	28 ± 1.2	23 ± 2.0
5.0		14 ± 1.2			
10.0	1 ± 0.6[s]		30 ± 1.5	28 ± 1.2	33 ± 1.5
33.0			19 ± 1.7	21 ± 1.5	25 ± 3.9
67.0				4 ± 2.3[s]	
100.0			0 ± 0.0[s]		29 ± 2.1
200.0					38 ± 5.9
333.0			Toxic		
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control[2]			296 ± 8.1	264 ± 28.3	
Positive Control[8]	446 ± 21.5	370 ± 12.0			
Positive Control[5]					833 ± 25.8

Experiment Number: **388109**

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

G06: Ames Summary Data

Test Compound: **Trichloromelamine**

CAS Number: **7673-09-8**

Date Report Requested: **09/14/2018**

Time Report Requested: **09:40:56**

Strain: TA98

Dose (ug/Plate)	With 10% Hamster S9	With 10% Hamster S9	With 30% Hamster S9
Vehicle Control[1]	30 ± 2.1	26 ± 2.8	38 ± 4.7
0.1			
0.3			
1.0		26 ± 3.4	
3.3	26 ± 3.6	22 ± 2.2	33 ± 2.0
5.0			
10.0	25 ± 2.7	20 ± 1.7	36 ± 2.6
33.0	22 ± 2.1	21 ± 1.8	38 ± 1.3
67.0		0 ± 0.0[s]	
100.0	0 ± 0.3[s]		36 ± 4.7
200.0			27 ± 1.8
333.0	Toxic		
Trial Summary	Negative	Negative	Negative
Positive Control[2]	192 ± 7.6	294 ± 36.0	
Positive Control[8]			
Positive Control[5]			964 ± 11.6

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: 100% Ethanol
2: 0.4 ug/Plate 2-Aminoanthracene
3: 0.5 ug/Plate Sodium Azide
4: 0.75 ug/Plate 2-Aminoanthracene
5: 1.0 ug/Plate 2-Aminoanthracene
6: 2.0 ug/Plate 2-Aminoanthracene
7: 24.0 ug/Plate 9-Aminoacridine
8: 1.0 ug/Plate 4-Nitro-O-Phenylenediamine
s: Slight Toxicity

** END OF REPORT **