Experiment Number: **178581**

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

G06: Ames Summary Data

Test Compound: **m-Toluic acid**

CAS Number: **99-04-7**

Date Report Requested: **09/13/2018**

Time Report Requested: **18:24:46**

NTP Study Number: 178581

Study Result: Negative

Experiment Number: **178581**

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

G06: Ames Summary Data

Test Compound: **m-Toluic acid**

CAS Number: **99-04-7**

Date Report Requested: **09/13/2018**

Time Report Requested: **18:24:46**

Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control[1]	110 ± 4.5	155 ± 9.5	155 ± 5.0	122 ± 3.9	139 ± 4.9
33.0	116 ± 3.4	153 ± 5.6	164 ± 0.3	122 ± 4.8	165 ± 4.6
100.0	114 ± 4.7	155 ± 6.8	156 ± 2.7	112 ± 1.8	149 ± 10.7
333.0	113 ± 0.9	154 ± 4.3	148 ± 7.0	103 ± 12.0	166 ± 9.5
1000.0	116 ± 2.9	140 ± 3.0	148 ± 11.6	116 ± 1.5	152 ± 8.7
3333.0	111 ± 2.2	120 ± 6.2	140 ± 9.0	114 ± 0.7	125 ± 9.0
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control[2]					474 ± 19.9
Positive Control[3]			339 ± 8.7		
Positive Control[4]				311 ± 18.0	
Positive Control[5]	646 ± 12.6	906 ± 20.2			

Experiment Number: **178581**

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

G06: Ames Summary Data

Test Compound: **m-Toluic acid**

CAS Number: **99-04-7**

Date Report Requested: **09/13/2018**

Time Report Requested: **18:24:46**

Strain: TA100

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control[1]	121 ± 4.3
33.0	113 ± 4.3
100.0	119 ± 6.0
333.0	113 ± 4.7
1000.0	114 ± 3.0
3333.0	115 ± 5.0
Trial Summary	Negative
Positive Control[2]	
Positive Control[3]	431 ± 5.8
Positive Control[4]	
Positive Control[5]	

Experiment Number: **178581**

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

G06: Ames Summary Data

Test Compound: **m-Toluic acid**

CAS Number: **99-04-7**

Date Report Requested: **09/13/2018**

Time Report Requested: **18:24:46**

Strain: TA1535

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control[1]	13 ± 2.1	14 ± 2.7	18 ± 0.0	14 ± 0.3	11 ± 0.9
33.0	14 ± 0.6	17 ± 1.5	16 ± 3.3	13 ± 0.9	16 ± 2.9
100.0	13 ± 0.7	16 ± 1.0	13 ± 1.3	15 ± 3.0	16 ± 2.3
333.0	14 ± 1.0	14 ± 1.3	13 ± 1.5	12 ± 1.5	15 ± 2.1
1000.0	12 ± 0.6	14 ± 2.5	11 ± 1.0	13 ± 2.4	13 ± 0.3
3333.0	13 ± 0.3	15 ± 1.9	13 ± 2.7	15 ± 2.1	13 ± 4.1
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control[3]					124 ± 10.5
Positive Control[4]			112 ± 6.6		
Positive Control[6]				117 ± 6.4	
Positive Control[5]	948 ± 25.6	808 ± 9.8			

Experiment Number: **178581**

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

G06: Ames Summary Data

Test Compound: **m-Toluic acid**

CAS Number: **99-04-7**

Date Report Requested: **09/13/2018**

Time Report Requested: **18:24:46**

Strain: TA1535

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control[1]	12 ± 1.5
33.0	12 ± 1.2
100.0	17 ± 2.2
333.0	14 ± 3.4
1000.0	18 ± 0.0
3333.0	13 ± 1.5
Trial Summary	Negative
Positive Control[3]	
Positive Control[4]	504 ± 51.7
Positive Control[6]	
Positive Control[5]	

Experiment Number: **178581**

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

G06: Ames Summary Data

Test Compound: **m-Toluic acid**

CAS Number: **99-04-7**

Date Report Requested: **09/13/2018**

Time Report Requested: **18:24:46**

Strain: TA1537

Dose (ug/Plate)	Without S9
Vehicle Control[1]	6 ± 0.6
33.0	5 ± 1.2
66.0	6 ± 0.9
100.0	4 ± 1.9
116.0	5 ± 0.7
333.0	3 ± 0.7
1000.0	5 ± 0.6
3333.0	4 ± 1.9
Trial Summary	Negative
Positive Control[7]	227 ± 20.1

Experiment Number: **178581**

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

G06: Ames Summary Data

Test Compound: **m-Toluic acid**

CAS Number: **99-04-7**

Date Report Requested: **09/13/2018**

Time Report Requested: **18:24:46**

Strain: TA97

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control[1]	138 ± 1.2	121 ± 5.5	178 ± 4.9	151 ± 12.1	176 ± 6.8
33.0	132 ± 4.5	129 ± 3.3	185 ± 9.3	166 ± 11.8	175 ± 6.3
66.0		152 ± 17.2			
100.0	211 ± 7.2	154 ± 14.6	176 ± 12.0	170 ± 6.7	171 ± 4.6
116.0		157 ± 10.2			
333.0	201 ± 24.1	136 ± 10.7	173 ± 7.8	144 ± 4.4	192 ± 1.8
1000.0	174 ± 0.5	141 ± 6.0	172 ± 5.5	159 ± 3.2	174 ± 0.6
3333.0	89 ± 21.4	107 ± 10.3	92 ± 6.7	160 ± 11.9	58 ± 3.1
Trial Summary	Equivocal	Negative	Negative	Negative	Negative
Positive Control[2]					475 ± 15.5
Positive Control[3]			369 ± 10.4		
Positive Control[4]				311 ± 17.3	
Positive Control[7]	393 ± 7.2	456 ± 12.6			

Experiment Number: **178581**

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

G06: Ames Summary Data

Test Compound: **m-Toluic acid**

CAS Number: **99-04-7**

Date Report Requested: **09/13/2018**

Time Report Requested: **18:24:46**

Strain: TA97

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control[1]	143 ± 19.1
33.0	168 ± 2.9
66.0	
100.0	151 ± 5.0
116.0	
333.0	162 ± 28.0
1000.0	166 ± 5.8
3333.0	128 ± 11.4
Trial Summary	Negative
Positive Control[2]	
Positive Control[3]	393 ± 17.5
Positive Control[4]	
Positive Control[7]	

Experiment Number: **178581**

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

G06: Ames Summary Data

Test Compound: **m-Toluic acid**

CAS Number: **99-04-7**

Date Report Requested: **09/13/2018**

Time Report Requested: **18:24:46**

Strain: TA98

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control[1]	12 ± 0.3	18 ± 0.6	24 ± 2.1	16 ± 1.5	21 ± 1.3
33.0	12 ± 1.2	18 ± 2.2	23 ± 2.0	19 ± 4.1	22 ± 0.9
100.0	13 ± 1.3	21 ± 1.5	23 ± 1.2	17 ± 0.6	23 ± 3.9
333.0	11 ± 1.5	18 ± 2.3	26 ± 1.3	15 ± 2.3	18 ± 1.0
1000.0	10 ± 0.3	17 ± 1.5	25 ± 2.0	12 ± 0.6	23 ± 0.6
3333.0	9 ± 2.0	18 ± 1.0	17 ± 2.3	11 ± 2.0	19 ± 0.9
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control[2]					465 ± 24.2
Positive Control[3]			258 ± 19.5		
Positive Control[8]	346 ± 17.6	415 ± 13.9			
Positive Control[4]				188 ± 12.7	

Experiment Number: **178581**

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

G06: Ames Summary Data

Test Compound: **m-Toluic acid**

CAS Number: **99-04-7**

Date Report Requested: **09/13/2018**

Time Report Requested: **18:24:46**

Strain: TA98

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control[1]	17 ± 1.8
33.0	15 ± 0.6
100.0	18 ± 5.6
333.0	17 ± 1.3
1000.0	15 ± 0.7
3333.0	8 ± 0.6
Trial Summary	Negative
Positive Control[2]	
Positive Control[3]	289 ± 19.1
Positive Control[8]	
Positive Control[4]	

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: Dimethyl Sulfoxide
2: 0.5 ug/Plate 2-Aminoanthracene
3: 1.0 ug/Plate 2-Aminoanthracene
4: 2.5 ug/Plate 2-Aminoanthracene
5: 5.0 ug/Plate Sodium Azide
6: 5.0 ug/Plate 2-Aminoanthracene
7: 50.0 ug/Plate 9-Aminoacridine
8: 2.5 ug/Plate 4-Nitro-O-Phenylenediamine

** END OF REPORT **