

Experiment Number: 715175

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

G06: Ames Summary Data

Test Compound: **o-Toluic acid**

CAS Number: **118-90-1**

Date Report Requested: **09/11/2018**

Time Report Requested: **23:55:34**

NTP Study Number:

715175

Study Result:

Negative

Experiment Number: 715175

Test Type: Genetic Toxicology - Bacterial
Mutagenicity**G06: Ames Summary Data**

Test Compound: o-Toluic acid

CAS Number: 118-90-1

Date Report Requested: 09/11/2018

Time Report Requested: 23:55:34

Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control ¹	130 ± 6.3	167 ± 6.9	149 ± 6.4	147 ± 15.0	151 ± 10.1
33.0	151 ± 5.6	154 ± 4.5	155 ± 2.1	143 ± 10.3	168 ± 7.2
100.0	155 ± 5.5	145 ± 9.4	161 ± 13.1	145 ± 8.0	153 ± 15.9
333.0	153 ± 3.8	148 ± 6.2	158 ± 6.1	158 ± 9.8	157 ± 6.3
1000.0	155 ± 15.8	156 ± 4.9	141 ± 14.3	160 ± 14.1	173 ± 2.7
3333.0	147 ± 2.9	134 ± 6.5	177 ± 4.5	139 ± 16.9	156 ± 8.3
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					466 ± 28.3
Positive Control ³			360 ± 18.6		
Positive Control ⁴				508 ± 22.2	
Positive Control ⁵	857 ± 34.3	845 ± 9.3			

Experiment Number: 715175

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

G06: Ames Summary Data

Test Compound: **o-Toluic acid**

CAS Number: **118-90-1**

Date Report Requested: **09/11/2018**

Time Report Requested: **23:55:34**

Strain: TA100

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	144 ± 7.9
33.0	142 ± 1.3
100.0	134 ± 10.1
333.0	138 ± 6.4
1000.0	154 ± 6.4
3333.0	131 ± 10.2
Trial Summary	Negative
Positive Control ²	
Positive Control ³	787 ± 31.6
Positive Control ⁴	
Positive Control ⁵	

Experiment Number: 715175

Test Type: **Genetic Toxicology - Bacterial Mutagenicity****G06: Ames Summary Data**Test Compound: **o-Toluic acid**CAS Number: **118-90-1**Date Report Requested: **09/11/2018**Time Report Requested: **23:55:34****Strain: TA1535**

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control ¹	19 ± 3.7	14 ± 1.7	15 ± 0.3	22 ± 4.6	15 ± 1.7
33.0	18 ± 1.5	14 ± 1.5	17 ± 0.9	20 ± 4.9	15 ± 1.0
100.0	17 ± 3.7	10 ± 3.0	14 ± 1.5	15 ± 1.9	13 ± 2.4
333.0	13 ± 0.7	17 ± 2.0	10 ± 2.0	16 ± 1.5	14 ± 1.5
1000.0	16 ± 5.4	17 ± 0.3	10 ± 1.2	16 ± 1.7	13 ± 2.9
3333.0	12 ± 2.3	8 ± 0.3	13 ± 2.3	17 ± 0.3	14 ± 1.2
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ³					125 ± 9.6
Positive Control ⁴			108 ± 4.4		
Positive Control ⁶				112 ± 16.9	
Positive Control ⁵	949 ± 5.6	906 ± 19.1			

Experiment Number: 715175

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

G06: Ames Summary Data

Test Compound: **o-Toluic acid**

CAS Number: **118-90-1**

Date Report Requested: **09/11/2018**

Time Report Requested: **23:55:34**

Strain: TA1535

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	20 ± 2.7
33.0	17 ± 2.1
100.0	16 ± 0.6
333.0	16 ± 0.7
1000.0	17 ± 3.7
3333.0	14 ± 2.6
Trial Summary	Negative
Positive Control ³	
Positive Control ⁴	333 ± 10.4
Positive Control ⁶	
Positive Control ⁵	

Experiment Number: 715175

Test Type: Genetic Toxicology - Bacterial
Mutagenicity**G06: Ames Summary Data**

Test Compound: o-Toluic acid

CAS Number: 118-90-1

Date Report Requested: 09/11/2018

Time Report Requested: 23:55:34

Strain: TA97

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control ¹	116 ± 3.8	159 ± 15.8	172 ± 11.1	157 ± 13.9	170 ± 13.7
33.0	120 ± 4.7	156 ± 22.5	185 ± 8.7	151 ± 4.9	176 ± 6.5
100.0	137 ± 8.3	165 ± 7.9	180 ± 10.8	141 ± 3.7	159 ± 6.2
333.0	127 ± 1.2	178 ± 10.1	184 ± 8.2	127 ± 16.3	177 ± 6.4
1000.0	141 ± 5.5	180 ± 3.2	177 ± 13.8	149 ± 8.1	192 ± 4.1
3333.0	81 ± 7.7	175 ± 3.7	191 ± 1.3	143 ± 9.6	149 ± 18.6
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					486 ± 12.3
Positive Control ³			460 ± 5.0		
Positive Control ⁴				401 ± 36.4	
Positive Control ⁷	328 ± 11.9				
Positive Control ⁸		370 ± 23.8			

Experiment Number: 715175
Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data
Test Compound: o-Toluic acid
CAS Number: 118-90-1

Date Report Requested: 09/11/2018
Time Report Requested: 23:55:34

Strain: TA97

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	123 ± 5.4
33.0	117 ± 2.8
100.0	117 ± 11.1
333.0	125 ± 5.8
1000.0	137 ± 16.4
3333.0	114 ± 13.3
Trial Summary	Negative
Positive Control ²	
Positive Control ³	523 ± 51.7
Positive Control ⁴	
Positive Control ⁷	
Positive Control ⁸	

Experiment Number: 715175

Test Type: Genetic Toxicology - Bacterial
Mutagenicity**G06: Ames Summary Data**

Test Compound: o-Toluic acid

CAS Number: 118-90-1

Date Report Requested: 09/11/2018

Time Report Requested: 23:55:34

Strain: TA98

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control ¹	15 ± 1.3	17 ± 2.4	19 ± 2.7	30 ± 0.7	26 ± 2.4
33.0	19 ± 1.3	16 ± 2.2	15 ± 1.5	28 ± 1.5	17 ± 3.4
100.0	17 ± 1.7	13 ± 0.6	15 ± 2.7	36 ± 3.8	16 ± 1.9
333.0	15 ± 1.2	12 ± 0.3	16 ± 1.5	30 ± 0.6	17 ± 1.5
1000.0	20 ± 3.1	15 ± 1.2	14 ± 2.6	21 ± 2.3	14 ± 1.2
3333.0	15 ± 1.9	17 ± 2.0	13 ± 2.3	26 ± 4.6	14 ± 1.8
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					86 ± 4.3
Positive Control ³			85 ± 8.3		
Positive Control ⁹	349 ± 5.1	369 ± 8.5			
Positive Control ⁴				163 ± 4.9	

Experiment Number: 715175

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

G06: Ames Summary Data

Test Compound: **o-Toluic acid**

CAS Number: **118-90-1**

Date Report Requested: **09/11/2018**

Time Report Requested: **23:55:34**

Strain: TA98

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	32 ± 2.0
33.0	33 ± 3.2
100.0	21 ± 0.9
333.0	27 ± 0.6
1000.0	24 ± 2.3
3333.0	19 ± 6.1
Trial Summary	Negative
Positive Control ²	
Positive Control ³	232 ± 27.8
Positive Control ⁹	
Positive Control ⁴	

Experiment Number: 715175

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

G06: Ames Summary Data

Test Compound: **o-Toluic acid**

CAS Number: **118-90-1**

Date Report Requested: **09/11/2018**

Time Report Requested: **23:55:34**

LEGEND

Values given as Mean or Mean \pm 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: 2.5 ug/Plate 9-Aminoacridine

8: 50.0 ug/Plate 9-Aminoacridine

9: 2.5 ug/Plate 4-Nitro-O-Phenylenediamine

**** END OF REPORT ****