

Experiment Number: 464097

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: Lauryl chloride

CAS Number: 112-52-7

Date Report Requested: 09/11/2018

Time Report Requested: 10:21:51

NTP Study Number:

464097

Study Result:

Negative

Experiment Number: 464097

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: Lauryl chloride

CAS Number: 112-52-7

Date Report Requested: 09/11/2018

Time Report Requested: 10:21:51

Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control ¹	131 ± 5.0	124 ± 11.2	118 ± 9.0	158 ± 9.2	121 ± 5.7
100.0	113 ± 13.1	137 ± 8.2	141 ± 4.3	161 ± 4.5	135 ± 10.7
333.0	123 ± 12.5	116 ± 3.9	143 ± 3.8	141 ± 10.1	120 ± 8.7
1000.0	118 ± 8.6	112 ± 6.1	146 ± 2.2	148 ± 7.1	138 ± 6.3
3333.0	122 ± 4.9	93 ± 11.9	138 ± 13.0	155 ± 6.1	135 ± 2.0
10000.0	95 ± 6.7	93 ± 8.0	137 ± 13.7	169 ± 5.0	96 ± 10.9
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					772 ± 8.7
Positive Control ³			576 ± 27.1		
Positive Control ⁴	366 ± 12.7	484 ± 31.2			
Positive Control ⁵				499 ± 9.4	

Experiment Number: 464097

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: Lauryl chloride

CAS Number: 112-52-7

Date Report Requested: 09/11/2018

Time Report Requested: 10:21:51

Strain: TA100

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	145 ± 10.7
100.0	159 ± 6.3
333.0	143 ± 6.0
1000.0	144 ± 8.4
3333.0	143 ± 5.4
10000.0	129 ± 9.6
Trial Summary	Negative
Positive Control ²	
Positive Control ³	608 ± 15.7
Positive Control ⁴	
Positive Control ⁵	

Experiment Number: 464097

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: Lauryl chloride

CAS Number: 112-52-7

Date Report Requested: 09/11/2018

Time Report Requested: 10:21:51

Strain: TA1535

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control ¹	39 ± 6.7	21 ± 2.0	10 ± 0.3	16 ± 1.9	13 ± 1.7
100.0	37 ± 3.7	25 ± 2.6	9 ± 1.0	15 ± 0.3	8 ± 2.2
333.0	42 ± 4.9	18 ± 5.0	10 ± 2.0	16 ± 0.6	11 ± 1.5
1000.0	27 ± 0.9	18 ± 1.2	9 ± 2.6	13 ± 1.0	6 ± 1.5
3333.0	29 ± 2.3	22 ± 0.7	9 ± 3.0	13 ± 1.5	8 ± 1.3
10000.0	42 ± 2.8	17 ± 1.2	12 ± 0.9	12 ± 1.2	10 ± 0.3
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ³					236 ± 7.9
Positive Control ⁴	690 ± 25.0	420 ± 6.7			
Positive Control ⁵			425 ± 34.4		
Positive Control ⁶				166 ± 7.0	

Experiment Number: 464097

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: Lauryl chloride

CAS Number: 112-52-7

Date Report Requested: 09/11/2018

Time Report Requested: 10:21:51

Strain: TA1535

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	15 ± 0.7
100.0	13 ± 1.2
333.0	13 ± 1.5
1000.0	11 ± 3.0
3333.0	15 ± 1.2
10000.0	13 ± 2.7
Trial Summary	Negative
Positive Control ³	
Positive Control ⁴	
Positive Control ⁵	520 ± 5.2
Positive Control ⁶	

Experiment Number: 464097

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: Lauryl chloride

CAS Number: 112-52-7

Date Report Requested: 09/11/2018

Time Report Requested: 10:21:51

Strain: TA1537

Dose (ug/Plate)	Without S9	With 30% Rat S9	With 30% Hamster S9
Vehicle Control ¹	9 ± 0.9	15 ± 0.9	17 ± 1.0
100.0	10 ± 1.8	15 ± 1.0	20 ± 2.2
333.0	13 ± 1.7	13 ± 0.6	16 ± 1.2
1000.0	7 ± 0.5	14 ± 0.6	14 ± 1.8
3333.0	9 ± 1.2	12 ± 1.0	15 ± 1.3
10000.0	9 ± 1.5	14 ± 2.5	13 ± 1.7
Trial Summary	Negative	Negative	Negative
Positive Control ³			50 ± 2.5
Positive Control ⁵		46 ± 5.7	
Positive Control ⁷	246 ± 8.7		

Experiment Number: 464097

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: Lauryl chloride

CAS Number: 112-52-7

Date Report Requested: 09/11/2018

Time Report Requested: 10:21:51

Strain: TA97

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control ¹	129 ± 10.2	155 ± 17.2	198 ± 12.5	178 ± 8.1	170 ± 10.7
100.0	145 ± 2.4	138 ± 3.3	161 ± 12.0	174 ± 7.2	181 ± 11.7
333.0	146 ± 6.7	161 ± 5.4	190 ± 6.0	175 ± 8.2	182 ± 12.8
1000.0	150 ± 8.0	158 ± 3.0	198 ± 5.1	187 ± 4.2	170 ± 5.4
3333.0	151 ± 2.2	162 ± 2.0	198 ± 2.4	172 ± 7.4	177 ± 7.2
10000.0	137 ± 6.8	139 ± 17.0	201 ± 5.7	173 ± 10.6	152 ± 13.9
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					496 ± 26.3
Positive Control ³			382 ± 26.4		
Positive Control ⁵				330 ± 17.6	
Positive Control ⁷	637 ± 23.2	737 ± 32.2			

Experiment Number: 464097
Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data
Test Compound: Lauryl chloride
CAS Number: 112-52-7

Date Report Requested: 09/11/2018
Time Report Requested: 10:21:51

Strain: TA97

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	175 ± 1.5
100.0	192 ± 3.8
333.0	180 ± 9.6
1000.0	178 ± 7.8
3333.0	149 ± 4.5
10000.0	145 ± 2.4
Trial Summary	Negative
Positive Control ²	
Positive Control ³	350 ± 10.0
Positive Control ⁵	
Positive Control ⁷	

Experiment Number: 464097

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: Lauryl chloride

CAS Number: 112-52-7

Date Report Requested: 09/11/2018

Time Report Requested: 10:21:51

Strain: TA98

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control ¹	19 ± 0.7	21 ± 3.2	30 ± 4.1	51 ± 3.9	33 ± 5.2
100.0	20 ± 3.8	20 ± 0.9	31 ± 3.5	40 ± 2.6	30 ± 1.8
333.0	22 ± 1.8	11 ± 3.9	32 ± 3.8	44 ± 3.8	26 ± 5.4
1000.0	16 ± 0.3	12 ± 3.2	25 ± 2.7	35 ± 1.7	32 ± 1.0
3333.0	18 ± 0.3	12 ± 0.6	19 ± 4.8	44 ± 3.0	34 ± 2.4
10000.0	19 ± 3.2	11 ± 0.3	25 ± 1.2	50 ± 0.6	31 ± 3.8
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					680 ± 24.9
Positive Control ³			373 ± 24.7	129 ± 13.1	
Positive Control ⁸	684 ± 18.2	606 ± 11.0			

Experiment Number: 464097
Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data
Test Compound: Lauryl chloride
CAS Number: 112-52-7

Date Report Requested: 09/11/2018
Time Report Requested: 10:21:51

Strain: TA98

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	33 ± 2.7
100.0	33 ± 3.0
333.0	27 ± 2.3
1000.0	39 ± 0.9
3333.0	44 ± 2.0
10000.0	41 ± 4.0
Trial Summary	Negative
Positive Control ²	
Positive Control ³	429 ± 38.7
Positive Control ⁸	

Experiment Number: 464097

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: Lauryl chloride

CAS Number: 112-52-7

Date Report Requested: 09/11/2018

Time Report Requested: 10:21:51

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: 1.0 ug/Plate Sodium Azide

5: 2.5 ug/Plate 2-Aminoanthracene

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 ****