

Experiment Number: 634522

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

G06: Ames Summary Data

Test Compound: **Tricaprylin**

CAS Number: **538-23-8**

Date Report Requested: **09/10/2018**

Time Report Requested: **22:39:27**

NTP Study Number:

634522

Study Result:

Positive

Experiment Number: 634522
Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data
Test Compound: Tricaprylin
CAS Number: 538-23-8

Date Report Requested: 09/10/2018
Time Report Requested: 22:39:27

Strain: TA100

| Dose (ug/Plate) | Without S9 | With 30% Rat S9 | With 30% Hamster S9 |
|-------------------------------|------------|-----------------|---------------------|
| Vehicle Control ¹ | 144 ± 17.7 | 193 ± 8.5 | 137 ± 7.0 |
| 100.0 | 169 ± 5.2 | 197 ± 4.8 | 135 ± 4.9 |
| 333.0 | 134 ± 17.0 | 189 ± 6.5 | 142 ± 6.2 |
| 1000.0 | 108 ± 1.9 | 190 ± 3.8 | 147 ± 5.7 |
| 3333.0 | 112 ± 1.0 | 176 ± 4.5 | 137 ± 5.0 |
| 10000.0 | 131 ± 5.2 | 188 ± 9.5 | 176 ± 2.2 |
| Trial Summary | Negative | Negative | Negative |
| Positive Control ² | | | 837 ± 39.5 |
| Positive Control ³ | | 440 ± 26.1 | |
| Positive Control ⁴ | 955 ± 37.8 | | |

Experiment Number: 634522

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: Tricaprylin

CAS Number: 538-23-8

Date Report Requested: 09/10/2018

Time Report Requested: 22:39:27

Strain: TA1535

| Dose (ug/Plate) | Without S9 | With 30% Rat S9 | With 30% Rat S9 | With 30% Rat S9 | With 30% Hamster S9 |
|-------------------------------|------------|-----------------|-----------------|-----------------|---------------------|
| Vehicle Control ¹ | 12 ± 0.9 | 18 ± 3.8 | 15 ± 1.2 | 20 ± 3.8 | 15 ± 0.9 |
| 100.0 | 14 ± 0.9 | 16 ± 3.8 | | | 11 ± 2.3 |
| 333.0 | 13 ± 3.4 | 17 ± 1.2 | | | 14 ± 2.0 |
| 1000.0 | 15 ± 2.6 | 17 ± 2.3 | 15 ± 1.5 | 28 ± 5.1 | 12 ± 0.9 |
| 3333.0 | 14 ± 1.3 | 20 ± 2.6 | 19 ± 1.7 | 37 ± 1.5 | 15 ± 0.3 |
| 6666.0 | | | 37 ± 2.2 | 39 ± 3.4 | |
| 10000.0 | 17 ± 1.8 | 42 ± 1.5 | 49 ± 5.5 | 54 ± 3.8 | 44 ± 9.1 |
| 16666.0 | | | 76 ± 2.4 | 95 ± 3.2 | |
| Trial Summary | Negative | Equivocal | Positive | Positive | Equivocal |
| Positive Control ³ | | | | | 607 ± 16.8 |
| Positive Control ⁵ | | 105 ± 3.6 | 91 ± 9.1 | 90 ± 10.5 | |
| Positive Control ⁴ | 958 ± 34.3 | | | | |

Experiment Number: 634522
Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data
Test Compound: Tricaprylin
CAS Number: 538-23-8

Date Report Requested: 09/10/2018
Time Report Requested: 22:39:27

Strain: TA1535

| Dose (ug/Plate) | With 30% Hamster S9 | With 30% Hamster S9 |
|-------------------------------|---------------------|---------------------|
| Vehicle Control ¹ | 11 ± 0.0 | 13 ± 2.6 |
| 100.0 | | |
| 333.0 | | |
| 1000.0 | 12 ± 2.9 | 24 ± 1.2 |
| 3333.0 | 18 ± 1.5 | 45 ± 4.5 |
| 6666.0 | 50 ± 6.0 | 42 ± 1.9 |
| 10000.0 | 52 ± 2.8 | 55 ± 1.9 |
| 16666.0 | 85 ± 2.8 | 107 ± 10.7 |
| Trial Summary | Positive | Positive |
| Positive Control ³ | 408 ± 39.8 | 351 ± 8.9 |
| Positive Control ⁵ | | |
| Positive Control ⁴ | | |

Experiment Number: 634522
Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data
Test Compound: Tricaprylin
CAS Number: 538-23-8

Date Report Requested: 09/10/2018
Time Report Requested: 22:39:27

Strain: TA97

| Dose (ug/Plate) | Without S9 | With 30% Rat S9 | With 30% Hamster S9 |
|-------------------------------|------------|-----------------|---------------------|
| Vehicle Control ¹ | 222 ± 6.9 | 216 ± 5.3 | 185 ± 6.9 |
| 100.0 | 228 ± 3.8 | 205 ± 20.4 | 198 ± 7.3 |
| 333.0 | 223 ± 6.3 | 224 ± 11.9 | 210 ± 7.6 |
| 1000.0 | 210 ± 2.6 | 184 ± 6.5 | 216 ± 1.8 |
| 3333.0 | 212 ± 7.6 | 168 ± 3.7 | 203 ± 21.5 |
| 10000.0 | 225 ± 4.0 | 152 ± 10.4 | 197 ± 19.4 |
| Trial Summary | Negative | Negative | Negative |
| Positive Control ² | | | 436 ± 2.2 |
| Positive Control ³ | | 442 ± 3.5 | |
| Positive Control ⁶ | 742 ± 42.2 | | |

Experiment Number: 634522
Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data
Test Compound: Tricaprylin
CAS Number: 538-23-8

Date Report Requested: 09/10/2018
Time Report Requested: 22:39:27

Strain: TA98

| Dose (ug/Plate) | Without S9 | With 30% Rat S9 | With 30% Hamster S9 |
|-------------------------------|------------|-----------------|---------------------|
| Vehicle Control ¹ | 30 ± 4.7 | 38 ± 1.9 | 35 ± 4.0 |
| 100.0 | 27 ± 1.5 | 41 ± 0.6 | 34 ± 2.4 |
| 333.0 | 27 ± 0.9 | 36 ± 3.8 | 33 ± 6.7 |
| 1000.0 | 28 ± 4.6 | 31 ± 3.7 | 29 ± 1.7 |
| 3333.0 | 28 ± 1.5 | 34 ± 1.7 | 28 ± 3.4 |
| 10000.0 | 28 ± 2.0 | 28 ± 1.5 | 31 ± 4.3 |
| Trial Summary | Negative | Negative | Negative |
| Positive Control ² | | 168 ± 3.5 | 770 ± 11.3 |
| Positive Control ⁷ | 677 ± 20.6 | | |

Experiment Number: 634522

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

G06: Ames Summary Data

Test Compound: **Tricaprylin**

CAS Number: **538-23-8**

Date Report Requested: **09/10/2018**

Time Report Requested: **22:39:27**

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: 1.0 ug/Plate 2-Aminoanthracene

3: 2.5 ug/Plate 2-Aminoanthracene

4: 5.0 ug/Plate Sodium Azide

5: 5.0 ug/Plate 2-Aminoanthracene

6: 50.0 ug/Plate 9-Aminoacridine

7: 2.5 ug/Plate 4-Nitro-O-Phenylenediamine

**** END OF REPORT ****