

Experiment Number: 244345

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: 3,4-Dimethyl phenol

CAS Number: 95-65-8

Date Report Requested: 09/10/2018

Time Report Requested: 19:48:39

NTP Study Number:

244345

Study Result:

Negative

Experiment Number: 244345

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: 3,4-Dimethyl phenol

CAS Number: 95-65-8

Date Report Requested: 09/10/2018

Time Report Requested: 19:48:39

Strain: TA100

| Dose (ug/Plate) | Without S9 | Without S9 | With 10% Rat S9 | With 30% Rat S9 | With 30% Rat S9 |
|-------------------------------|------------|-----------------------|------------------------|-----------------------|------------------------|
| Vehicle Control ¹ | 118 ± 5.5 | 91 ± 7.3 | 87 ± 3.7 | 126 ± 2.7 | 119 ± 4.0 |
| 10.0 | 115 ± 3.8 | 72 ± 5.2 | 96 ± 5.6 | | 116 ± 3.2 |
| 33.0 | 152 ± 4.0 | 86 ± 3.2 | 106 ± 2.0 | 155 ± 6.6 | 115 ± 2.3 |
| 100.0 | 123 ± 9.1 | 88 ± 3.9 | 101 ± 8.3 | 173 ± 8.1 | 117 ± 3.2 |
| 333.0 | 117 ± 9.5 | | | 116 ± 4.2 | |
| 334.0 | | 80 ± 4.2 | 86 ± 2.3 | | 114 ± 9.5 |
| 667.0 | 98 ± 4.9 | 64 ± 3.6 ^s | | | 104 ± 6.2 ^s |
| 1000.0 | | | 19 ± 15.5 ^s | 83 ± 3.2 ^s | |
| 3333.0 | | | | Toxic | |
| Trial Summary | Equivocal | Negative | Negative | Equivocal | Negative |
| Positive Control ² | | | | | |
| Positive Control ³ | 886 ± 22.1 | 385 ± 9.7 | | | |
| Positive Control ⁴ | | | 1900 ± 61.5 | | |
| Positive Control ⁵ | | | | | |
| Positive Control ⁶ | | | | 2040 ± 42.4 | 1135 ± 35.0 |

Experiment Number: 244345

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: 3,4-Dimethyl phenol

CAS Number: 95-65-8

Date Report Requested: 09/10/2018

Time Report Requested: 19:48:39

Strain: TA100

| Dose (ug/Plate) | With 10% Hamster S9 | With 30% Hamster S9 |
|-------------------------------|----------------------------|----------------------------|
| Vehicle Control ¹ | 94 ± 5.2 | 150 ± 5.5 |
| 10.0 | 95 ± 1.3 | |
| 33.0 | 103 ± 8.7 | 153 ± 7.8 |
| 100.0 | 82 ± 5.5 | 123 ± 1.3 |
| 333.0 | | 155 ± 5.5 |
| 334.0 | 86 ± 4.6 ^s | |
| 667.0 | | |
| 1000.0 | 47 ± 24.6 ^s | 84 ± 5.5 ^s |
| 3333.0 | | 5 ± 4.7 ^s |
| Trial Summary | Negative | Negative |
| Positive Control ² | 313 ± 7.5 | |
| Positive Control ³ | | |
| Positive Control ⁴ | | |
| Positive Control ⁵ | | 701 ± 15.7 |
| Positive Control ⁶ | | |

Experiment Number: 244345

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: 3,4-Dimethyl phenol

CAS Number: 95-65-8

Date Report Requested: 09/10/2018

Time Report Requested: 19:48:39

Strain: TA1535

| Dose (ug/Plate) | Without S9 | Without S9 | With 10% Rat S9 | With 30% Rat S9 | With 10% Hamster S9 |
|-------------------------------|------------|----------------------|----------------------|----------------------|----------------------|
| Vehicle Control ¹ | 17 ± 1.5 | 12 ± 0.6 | 11 ± 3.2 | 14 ± 1.2 | 8 ± 2.7 |
| 10.0 | 25 ± 3.8 | 12 ± 1.5 | 7 ± 2.4 | 12 ± 1.3 | 6 ± 1.5 |
| 33.0 | 25 ± 0.6 | 11 ± 1.5 | 7 ± 2.1 | 17 ± 3.2 | 13 ± 4.0 |
| 100.0 | 20 ± 3.0 | 11 ± 0.7 | 9 ± 1.0 | 14 ± 0.9 | 6 ± 0.3 |
| 333.0 | 20 ± 1.3 | | | 14 ± 1.7 | |
| 334.0 | | 10 ± 2.6 | 8 ± 1.2 | | 10 ± 3.5 |
| 667.0 | 25 ± 2.8 | 9 ± 1.3 ^s | | | |
| 1000.0 | | | 2 ± 1.2 ^s | 9 ± 2.1 ^s | 5 ± 1.2 ^s |
| Trial Summary | Negative | Negative | Negative | Negative | Negative |
| Positive Control ² | | | | | 52 ± 4.0 |
| Positive Control ³ | 213 ± 13.1 | 287 ± 22.0 | | | |
| Positive Control ⁵ | | | | | |
| Positive Control ⁶ | | | 255 ± 6.9 | 249 ± 25.2 | |

Experiment Number: 244345

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: 3,4-Dimethyl phenol

CAS Number: 95-65-8

Date Report Requested: 09/10/2018

Time Report Requested: 19:48:39

Strain: TA1535

| Dose (ug/Plate) | With 30% Hamster S9 |
|-------------------------------|----------------------------|
| Vehicle Control ¹ | 11 ± 1.5 |
| 10.0 | 14 ± 1.3 |
| 33.0 | 14 ± 3.4 |
| 100.0 | 14 ± 2.7 |
| 333.0 | 10 ± 0.7 |
| 334.0 | |
| 667.0 | |
| 1000.0 | 12 ± 2.3 ^s |
| Trial Summary | Negative |
| Positive Control ² | |
| Positive Control ³ | |
| Positive Control ⁵ | 173 ± 15.4 |
| Positive Control ⁶ | |

Experiment Number: 244345

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: 3,4-Dimethyl phenol

CAS Number: 95-65-8

Date Report Requested: 09/10/2018

Time Report Requested: 19:48:39

Strain: TA97

| Dose (ug/Plate) | Without S9 | Without S9 | With 10% Rat S9 | With 30% Rat S9 | With 10% Hamster S9 |
|-------------------------------|-----------------------|-----------------------|-----------------------|-----------------------|------------------------|
| Vehicle Control ¹ | 80 ± 7.5 | 95 ± 4.4 | 100 ± 12.9 | 167 ± 5.5 | 96 ± 11.3 |
| 10.0 | 79 ± 4.7 | 88 ± 3.2 | 107 ± 8.3 | 178 ± 9.3 | 96 ± 3.2 |
| 33.0 | 91 ± 5.2 | 83 ± 0.7 | 97 ± 11.6 | 171 ± 10.0 | 92 ± 5.6 |
| 100.0 | 71 ± 4.4 | 88 ± 3.9 | 92 ± 1.9 | 165 ± 8.0 | 84 ± 13.0 |
| 333.0 | | | | 182 ± 8.7 | |
| 334.0 | 70 ± 5.5 | 83 ± 1.5 | 85 ± 16.5 | | 88 ± 6.4 |
| 667.0 | 42 ± 2.8 ^s | 59 ± 1.2 ^s | | | |
| 1000.0 | | | 55 ± 6.3 ^s | 79 ± 6.0 ^s | 31 ± 20.6 ^s |
| Trial Summary | Negative | Negative | Negative | Negative | Negative |
| Positive Control ⁷ | 540 ± 35.3 | 782 ± 4.3 | | | |
| Positive Control ⁴ | | | | | 570 ± 19.6 |
| Positive Control ⁶ | | | 743 ± 7.8 | | |
| Positive Control ⁸ | | | | 644 ± 56.1 | |
| Positive Control ⁹ | | | | | |

Experiment Number: 244345

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: 3,4-Dimethyl phenol

CAS Number: 95-65-8

Date Report Requested: 09/10/2018

Time Report Requested: 19:48:39

Strain: TA97

| Dose (ug/Plate) | With 30% Hamster S9 |
|-------------------------------|----------------------------|
| Vehicle Control ¹ | 128 ± 7.5 |
| 10.0 | 126 ± 8.4 |
| 33.0 | 129 ± 10.1 |
| 100.0 | 139 ± 8.7 |
| 333.0 | 103 ± 11.9 |
| 334.0 | |
| 667.0 | |
| 1000.0 | 88 ± 3.5 ^s |
| Trial Summary | Negative |
| Positive Control ⁷ | |
| Positive Control ⁴ | |
| Positive Control ⁶ | |
| Positive Control ⁸ | 1047 ± 43.0 |
| Positive Control ⁹ | |

Experiment Number: 244345

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: 3,4-Dimethyl phenol

CAS Number: 95-65-8

Date Report Requested: 09/10/2018

Time Report Requested: 19:48:39

Strain: TA98

| Dose (ug/Plate) | Without S9 | Without S9 | With 10% Rat S9 | With 30% Rat S9 | With 10% Hamster S9 |
|--------------------------------|------------|------------|-----------------------|-----------------------|-----------------------|
| Vehicle Control ¹ | 18 ± 2.0 | 18 ± 0.9 | 29 ± 1.8 | 44 ± 5.2 | 31 ± 3.0 |
| 10.0 | 20 ± 1.2 | 16 ± 2.1 | 30 ± 4.2 | 35 ± 2.3 | 29 ± 3.0 |
| 33.0 | 17 ± 1.5 | 22 ± 0.6 | 30 ± 3.7 | 31 ± 0.3 | 32 ± 2.2 |
| 100.0 | 16 ± 0.7 | 20 ± 1.5 | 31 ± 2.4 | 31 ± 1.5 | 29 ± 0.0 |
| 333.0 | 18 ± 1.0 | | | 34 ± 5.3 | |
| 334.0 | | 19 ± 3.2 | 29 ± 0.6 | | 26 ± 5.4 |
| 667.0 | 18 ± 4.0 | 16 ± 1.0 | | | |
| 1000.0 | | | 13 ± 3.1 ^s | 22 ± 4.4 ^s | 21 ± 2.3 ^s |
| 3333.0 | | | | | |
| Trial Summary | Negative | Negative | Negative | Negative | Negative |
| Positive Control ¹⁰ | | | | | 225 ± 14.9 |
| Positive Control ² | | | 426 ± 15.1 | | |
| Positive Control ¹¹ | 379 ± 10.5 | 306 ± 4.0 | | | |
| Positive Control ⁵ | | | | 324 ± 31.5 | |

Experiment Number: 244345

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: 3,4-Dimethyl phenol

CAS Number: 95-65-8

Date Report Requested: 09/10/2018

Time Report Requested: 19:48:39

Strain: TA98

| Dose (ug/Plate) | With 30% Hamster S9 |
|--------------------------------|----------------------------|
| Vehicle Control ¹ | 33 ± 2.8 |
| 10.0 | 43 ± 4.2 |
| 33.0 | 26 ± 4.2 |
| 100.0 | 30 ± 1.5 |
| 333.0 | 30 ± 5.5 |
| 334.0 | |
| 667.0 | |
| 1000.0 | 28 ± 1.9 ^s |
| 3333.0 | |
| Trial Summary | Negative |
| Positive Control ¹⁰ | |
| Positive Control ² | 82 ± 4.5 |
| Positive Control ¹¹ | |
| Positive Control ⁵ | |

Experiment Number: 244345

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: 3,4-Dimethyl phenol

CAS Number: 95-65-8

Date Report Requested: 09/10/2018

Time Report Requested: 19:48:39

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: 0.4 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: 0.05 ug/Plate Solvent

8: 2.5 ug/Plate 2-Aminoanthracene

9: 24.0 ug/Plate 9-Aminoacridine

10: 0.2 ug/Plate 2-Aminoanthracene

11: 1.0 ug/Plate 4-Nitro-O-Phenylenediamine

s: Slight Toxicity

**** END OF REPORT ****