

Experiment Number: 627177

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: 1,2-Dichloropropane (propylene dichloride)

CAS Number: 78-87-5

Date Report Requested: 09/10/2018

Time Report Requested: 16:55:07

NTP Study Number:

627177

Study Result:

Weakly Positive

Experiment Number: 627177

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: 1,2-Dichloropropane (propylene dichloride)
CAS Number: 78-87-5

Date Report Requested: 09/10/2018

Time Report Requested: 16:55:07

Strain: TA100

| Dose (ug/Plate) | Without S9 | Without S9 | With 10% Rat S9 | With 10% Rat S9 | With 10% Hamster S9 |
|-------------------------------|------------------------|-------------|------------------------|-----------------|------------------------|
| Vehicle Control ¹ | 135 ± 6.6 | 123 ± 3.2 | 133 ± 4.4 | 111 ± 6.4 | 123 ± 4.3 |
| 33.0 | 125 ± 7.4 | | 125 ± 4.4 | | 109 ± 6.2 |
| 100.0 | 143 ± 11.0 | 107 ± 7.8 | 136 ± 6.9 | 117 ± 11.8 | 137 ± 4.2 |
| 333.0 | 152 ± 13.9 | 141 ± 12.3 | 128 ± 4.1 | 131 ± 5.8 | 114 ± 9.2 |
| 750.0 | | 154 ± 2.6 | | 119 ± 7.8 | |
| 1000.0 | 196 ± 17.0 | 161 ± 8.2 | 141 ± 5.5 | 135 ± 3.7 | 120 ± 2.0 |
| 1500.0 | | 222 ± 0.0 | | 139 ± 2.3 | |
| 2000.0 | 153 ± 9.5 ^s | | 146 ± 8.0 ^s | | 118 ± 8.7 ^s |
| Trial Summary | Equivocal | Equivocal | Negative | Negative | Negative |
| Positive Control ² | | | | | 933 ± 64.8 |
| Positive Control ³ | | | 1013 ± 15.1 | 1599 ± 55.1 | |
| Positive Control ⁴ | 2075 ± 81.5 | 1902 ± 13.3 | | | |

Experiment Number: 627177

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: 1,2-Dichloropropane (propylene dichloride)

CAS Number: 78-87-5

Date Report Requested: 09/10/2018

Time Report Requested: 16:55:07

Strain: TA100

| Dose (ug/Plate) | With 10% Hamster S9 |
|-------------------------------|----------------------------|
| Vehicle Control ¹ | 123 ± 3.2 |
| 33.0 | |
| 100.0 | 108 ± 8.0 |
| 333.0 | 132 ± 8.2 |
| 750.0 | 121 ± 1.2 |
| 1000.0 | 114 ± 6.3 |
| 1500.0 | 129 ± 2.6 |
| 2000.0 | |
| Trial Summary | Negative |
| Positive Control ² | 2165 ± 28.9 |
| Positive Control ³ | |
| Positive Control ⁴ | |

Experiment Number: 627177

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: 1,2-Dichloropropane (propylene dichloride)
CAS Number: 78-87-5

Date Report Requested: 09/10/2018

Time Report Requested: 16:55:07

Strain: TA1535

| Dose (ug/Plate) | Without S9 | Without S9 | With 10% Rat S9 | With 10% Rat S9 | With 10% Hamster S9 |
|-------------------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| Vehicle Control ¹ | 28 ± 2.3 | 25 ± 2.1 | 17 ± 1.3 | 10 ± 2.1 | 12 ± 1.0 |
| 33.0 | 30 ± 1.2 | | 17 ± 2.3 | | 15 ± 2.7 |
| 100.0 | 31 ± 3.9 | 24 ± 3.2 | 15 ± 1.0 | 7 ± 1.5 | 12 ± 1.2 |
| 333.0 | 34 ± 4.0 | 31 ± 2.4 | 16 ± 2.5 | 10 ± 0.7 | 17 ± 4.2 |
| 750.0 | | 37 ± 2.8 | | 15 ± 0.3 | |
| 1000.0 | 54 ± 3.7 | 39 ± 5.6 | 19 ± 2.9 | 10 ± 2.3 ^s | 19 ± 4.9 |
| 1500.0 | | 33 ± 6.1 ^s | | 16 ± 1.3 ^s | |
| 2000.0 | 54 ± 2.1 ^s | | 20 ± 1.7 ^s | | 18 ± 3.6 ^s |
| Trial Summary | Weakly Positive | Equivocal | Negative | Negative | Negative |
| Positive Control ² | | | | | 102 ± 12.7 |
| Positive Control ³ | | | 123 ± 7.9 | 68 ± 5.2 | |
| Positive Control ⁴ | 1311 ± 30.1 | 2082 ± 85.9 | | | |

Experiment Number: 627177

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: 1,2-Dichloropropane (propylene dichloride)
CAS Number: 78-87-5

Date Report Requested: 09/10/2018

Time Report Requested: 16:55:07

Strain: TA1535

| Dose (ug/Plate) | With 10% Hamster S9 |
|-------------------------------|----------------------------|
| Vehicle Control ¹ | 9 ± 1.5 |
| 33.0 | |
| 100.0 | 8 ± 1.7 |
| 333.0 | 10 ± 1.5 |
| 750.0 | 12 ± 1.5 |
| 1000.0 | 8 ± 1.8 ^s |
| 1500.0 | 10 ± 0.7 ^s |
| 2000.0 | |
| Trial Summary | Negative |
| Positive Control ² | 123 ± 8.8 |
| Positive Control ³ | |
| Positive Control ⁴ | |

Experiment Number: 627177

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: 1,2-Dichloropropane (propylene dichloride)
CAS Number: 78-87-5

Date Report Requested: 09/10/2018

Time Report Requested: 16:55:07

Strain: TA1537

| Dose (ug/Plate) | Without S9 | Without S9 | With 10% Rat S9 | With 10% Rat S9 | With 10% Hamster S9 |
|-------------------------------|-----------------------|----------------------|-----------------------|----------------------|-----------------------|
| Vehicle Control ¹ | 7 ± 0.7 | 3 ± 0.3 | 19 ± 2.1 | 8 ± 0.6 | 15 ± 2.9 |
| 33.0 | 11 ± 0.9 | | 21 ± 2.9 | | 18 ± 0.3 |
| 100.0 | 11 ± 2.1 | 7 ± 1.5 | 19 ± 2.1 | 6 ± 1.2 | 18 ± 4.0 |
| 333.0 | 11 ± 0.6 | 4 ± 1.5 | 14 ± 1.5 | 5 ± 1.2 | 15 ± 1.5 |
| 750.0 | | 7 ± 1.2 | | 7 ± 1.2 | |
| 1000.0 | 11 ± 0.9 | 5 ± 0.6 ^s | 24 ± 3.2 | 6 ± 1.0 ^s | 16 ± 1.7 |
| 1500.0 | | 5 ± 0.3 ^s | | 6 ± 1.3 ^s | |
| 2000.0 | 12 ± 1.9 ^s | | 14 ± 1.5 ^s | | 16 ± 1.5 ^s |
| Trial Summary | Negative | Negative | Negative | Negative | Negative |
| Positive Control ² | | | | | 60 ± 12.7 |
| Positive Control ³ | | | 63 ± 0.9 | 129 ± 4.7 | |
| Positive Control ⁵ | 510 ± 85.2 | 218 ± 47.6 | | | |

Experiment Number: 627177

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: 1,2-Dichloropropane (propylene dichloride)
CAS Number: 78-87-5

Date Report Requested: 09/10/2018

Time Report Requested: 16:55:07

Strain: TA1537

| Dose (ug/Plate) | With 10% Hamster S9 |
|-------------------------------|----------------------------|
| Vehicle Control ¹ | 8 ± 0.3 |
| 33.0 | |
| 100.0 | 8 ± 1.5 |
| 333.0 | 6 ± 1.5 |
| 750.0 | 5 ± 1.2 |
| 1000.0 | 7 ± 2.0 |
| 1500.0 | 7 ± 2.0 |
| 2000.0 | |
| Trial Summary | Negative |
| Positive Control ² | 109 ± 15.9 |
| Positive Control ³ | |
| Positive Control ⁵ | |

Experiment Number: 627177

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: 1,2-Dichloropropane (propylene dichloride)
CAS Number: 78-87-5

Date Report Requested: 09/10/2018

Time Report Requested: 16:55:07

Strain: TA98

| Dose (ug/Plate) | Without S9 | Without S9 | With 10% Rat S9 | With 10% Rat S9 | With 10% Hamster S9 |
|-------------------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| Vehicle Control ¹ | 28 ± 0.9 | 17 ± 1.5 | 37 ± 2.3 | 31 ± 0.7 | 44 ± 3.0 |
| 33.0 | 26 ± 0.9 | | 43 ± 3.8 | | 45 ± 4.3 |
| 100.0 | 34 ± 3.5 | 24 ± 3.5 | 45 ± 4.9 | 27 ± 2.3 | 41 ± 2.3 |
| 333.0 | 28 ± 2.2 | 21 ± 4.4 | 43 ± 3.1 | 23 ± 2.8 | 51 ± 8.7 |
| 750.0 | | 20 ± 1.0 | | 22 ± 1.8 | |
| 1000.0 | 31 ± 3.2 | 18 ± 3.8 ^s | 35 ± 0.9 | 26 ± 2.3 ^s | 41 ± 2.9 |
| 1500.0 | | 18 ± 2.6 ^s | | 22 ± 1.7 ^s | |
| 2000.0 | 26 ± 0.9 ^s | | 36 ± 1.5 ^s | | 34 ± 1.2 ^s |
| Trial Summary | Negative | Negative | Negative | Negative | Negative |
| Positive Control ² | | | | | 824 ± 28.0 |
| Positive Control ³ | | | 743 ± 54.6 | 924 ± 35.0 | |
| Positive Control ⁶ | 1801 ± 30.0 | 1315 ± 75.0 | | | |

Experiment Number: 627177

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: 1,2-Dichloropropane (propylene dichloride)
CAS Number: 78-87-5

Date Report Requested: 09/10/2018

Time Report Requested: 16:55:07

Strain: TA98

| Dose (ug/Plate) | With 10% Hamster S9 |
|-------------------------------|----------------------------|
| Vehicle Control ¹ | 27 ± 3.8 |
| 33.0 | |
| 100.0 | 26 ± 3.3 |
| 333.0 | 26 ± 4.9 |
| 750.0 | 22 ± 3.5 |
| 1000.0 | 21 ± 1.9 |
| 1500.0 | 22 ± 2.9 ^s |
| 2000.0 | |
| Trial Summary | Negative |
| Positive Control ² | 1136 ± 56.2 |
| Positive Control ³ | |
| Positive Control ⁶ | |

Experiment Number: 627177

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

G06: Ames Summary Data

Test Compound: 1,2-Dichloropropane (propylene dichloride)

CAS Number: 78-87-5

Date Report Requested: 09/10/2018

Time Report Requested: 16:55:07

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: 0.75 ug/Plate 2-Aminoanthracene

3: 1.5 ug/Plate 2-Aminoanthracene

4: 2.5 ug/Plate Sodium Azide

5: 80.0 ug/Plate 9-Aminoacridine

6: 12.0 ug/Plate 4-Nitro-O-Phenylenediamine

s: Slight Toxicity

**** END OF REPORT ****