

Experiment Number: 703184

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

G06: Ames Summary Data

Test Compound: **Chloroprene**

CAS Number: **126-99-8**

Date Report Requested: **09/12/2018**

Time Report Requested: **12:44:07**

NTP Study Number:

703184

Study Result:

Negative

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Mutagenicity**G06: Ames Summary Data**

Test Compound: Chloroprene

CAS Number: 126-99-8

Date Report Requested: 09/12/2018

Time Report Requested: 12:44:07

Strain: TA100

| Dose (ug/Plate) | Without S9 | Without S9 | With 10% Rat S9 | With 10% Rat S9 | With 10% Hamster S9 |
|-------------------------------|------------|------------------------|-----------------|-----------------|-----------------------|
| Vehicle Control ¹ | 145 ± 1.5 | 120 ± 4.7 | 154 ± 16.5 | 117 ± 7.8 | 160 ± 11.8 |
| 3.0 | 146 ± 7.6 | 139 ± 4.1 | | | |
| 10.0 | 167 ± 7.9 | 124 ± 0.3 | | 146 ± 14.3 | |
| 33.0 | 164 ± 8.0 | 124 ± 6.6 | 149 ± 20.3 | 128 ± 3.5 | 140 ± 7.3 |
| 100.0 | 147 ± 6.1 | 98 ± 9.8 | 152 ± 5.1 | 149 ± 10.5 | 136 ± 10.3 |
| 333.0 | 92 ± 17.9 | 51 ± 16.6 ^s | 133 ± 6.2 | 158 ± 7.5 | 136 ± 11.4 |
| 1000.0 | | | Toxic | 126 ± 7.5 | 94 ± 4.2 ^s |
| 3333.0 | | | Toxic | | 0 ± 0.0 ^s |
| Trial Summary | Negative | Negative | Negative | Equivocal | Negative |
| Positive Control ² | | | 1055 ± 61.4 | 900 ± 15.3 | 2113 ± 4.8 |
| Positive Control ³ | 321 ± 11.7 | 424 ± 16.2 | | | |

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Date Report Requested: **09/12/2018**

Time Report Requested: **12:44:07**

Strain: TA100

| Dose (ug/Plate) | With 10% Hamster S9 |
|-------------------------------|----------------------------|
| Vehicle Control ¹ | 126 ± 9.1 |
| 3.0 | |
| 10.0 | 143 ± 1.3 |
| 33.0 | 144 ± 2.8 |
| 100.0 | 141 ± 3.4 |
| 333.0 | 130 ± 12.8 |
| 1000.0 | 145 ± 23.2 |
| 3333.0 | |
| Trial Summary | Negative |
| Positive Control ² | 1895 ± 83.7 |
| Positive Control ³ | |

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Mutagenicity**G06: Ames Summary Data**

Test Compound: Chloroprene

CAS Number: 126-99-8

Date Report Requested: 09/12/2018

Time Report Requested: 12:44:07

Strain: TA1535

| Dose (ug/Plate) | Without S9 | Without S9 | With 10% Rat S9 | With 10% Rat S9 | With 10% Hamster S9 |
|-------------------------------|------------|----------------------|-----------------|-----------------|---------------------|
| Vehicle Control ¹ | 21 ± 3.7 | 15 ± 1.7 | 7 ± 2.5 | 10 ± 1.9 | 10 ± 1.7 |
| 3.0 | 24 ± 2.9 | 16 ± 5.0 | | | |
| 10.0 | 22 ± 3.5 | 15 ± 1.5 | | 8 ± 2.2 | |
| 33.0 | 20 ± 3.2 | 19 ± 2.2 | 11 ± 4.9 | 6 ± 0.6 | 9 ± 1.5 |
| 100.0 | 18 ± 0.3 | 10 ± 2.2 | 7 ± 0.3 | 11 ± 2.3 | 12 ± 1.8 |
| 333.0 | Toxic | 6 ± 2.1 ^s | 7 ± 2.3 | 10 ± 2.5 | 20 ± 0.3 |
| 1000.0 | | | Toxic | 8 ± 1.5 | Toxic |
| 3333.0 | | | Toxic | | Toxic |
| Trial Summary | Negative | Negative | Negative | Negative | Negative |
| Positive Control ³ | 384 ± 17.9 | 396 ± 2.3 | | | |
| Positive Control ⁴ | | | 255 ± 18.4 | 313 ± 77.0 | 429 ± 31.8 |

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Test Compound: **Chloroprene**

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Date Report Requested: **09/12/2018**

Time Report Requested: **12:44:07**

Strain: TA1535

| Dose (ug/Plate) | With 10% Hamster S9 |
|-------------------------------|----------------------------|
| Vehicle Control ¹ | 12 ± 2.1 |
| 3.0 | |
| 10.0 | 7 ± 0.0 |
| 33.0 | 9 ± 4.3 |
| 100.0 | 14 ± 1.5 |
| 333.0 | 15 ± 3.1 |
| 1000.0 | 11 ± 3.3 ^s |
| 3333.0 | |
| Trial Summary | Negative |
| Positive Control ³ | |
| Positive Control ⁴ | 507 ± 35.4 |

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G06: Ames Summary Data

Test Compound: Chloroprene

CAS Number: 126-99-8

Date Report Requested: 09/12/2018

Time Report Requested: 12:44:07

Strain: TA1537

| Dose (ug/Plate) | Without S9 | Without S9 | With 10% Rat S9 | With 10% Rat S9 | With 10% Hamster S9 |
|-------------------------------|-----------------------|----------------------|-----------------|-----------------|---------------------|
| Vehicle Control ¹ | 8 ± 0.6 | 5 ± 2.6 | 13 ± 2.9 | 6 ± 0.9 | 7 ± 3.0 |
| 3.0 | 7 ± 0.7 | 5 ± 1.2 | | | |
| 10.0 | 13 ± 2.1 | 8 ± 3.2 | | 5 ± 2.3 | |
| 33.0 | 9 ± 2.3 | 5 ± 0.9 | 12 ± 4.2 | 7 ± 0.6 | 7 ± 1.0 |
| 100.0 | 11 ± 3.0 ^s | 7 ± 3.0 | 13 ± 1.9 | 9 ± 3.2 | 8 ± 1.5 |
| 333.0 | Toxic | 4 ± 0.9 ^s | 11 ± 4.3 | 8 ± 0.7 | 6 ± 0.9 |
| 1000.0 | | | Toxic | 6 ± 1.7 | Toxic |
| 3333.0 | | | Toxic | | Toxic |
| Trial Summary | Negative | Negative | Negative | Negative | Negative |
| Positive Control ⁴ | | | 238 ± 4.4 | 283 ± 14.2 | 479 ± 6.1 |
| Positive Control ⁵ | 99 ± 3.5 | 100 ± 18.2 | | | |

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G06: Ames Summary Data

Test Compound: **Chloroprene**

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Date Report Requested: **09/12/2018**

Time Report Requested: **12:44:07**

Strain: TA1537

| Dose (ug/Plate) | With 10% Hamster S9 |
|-------------------------------|----------------------------|
| Vehicle Control ¹ | 8 ± 2.6 |
| 3.0 | |
| 10.0 | 10 ± 2.3 |
| 33.0 | 5 ± 0.3 |
| 100.0 | 7 ± 0.9 |
| 333.0 | 5 ± 0.7 |
| 1000.0 | 6 ± 0.9 ^s |
| 3333.0 | |
| Trial Summary | Negative |
| Positive Control ⁴ | 353 ± 32.0 |
| Positive Control ⁵ | |

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Mutagenicity**G06: Ames Summary Data**

Test Compound: Chloroprene

CAS Number: 126-99-8

Date Report Requested: 09/12/2018

Time Report Requested: 12:44:07

Strain: TA98

| Dose (ug/Plate) | Without S9 | Without S9 | With 10% Rat S9 | With 10% Rat S9 | With 10% Hamster S9 |
|-------------------------------|------------|------------|-----------------|-----------------|---------------------|
| Vehicle Control ¹ | 25 ± 0.9 | 22 ± 2.7 | 38 ± 6.7 | 24 ± 2.6 | 24 ± 3.7 |
| 3.0 | 23 ± 4.6 | 18 ± 2.8 | | | |
| 10.0 | 25 ± 3.5 | 14 ± 3.3 | | 26 ± 3.8 | |
| 33.0 | 26 ± 0.9 | 20 ± 2.1 | 31 ± 3.6 | 26 ± 3.3 | 25 ± 3.5 |
| 100.0 | 17 ± 1.5 | 16 ± 1.9 | 33 ± 3.8 | 31 ± 3.5 | 29 ± 1.2 |
| 333.0 | Toxic | 12 ± 2.0 | 27 ± 4.1 | 28 ± 2.2 | 24 ± 2.9 |
| 1000.0 | | | Toxic | 33 ± 4.5 | 30 ± 2.5 |
| 3333.0 | | | Toxic | | Toxic |
| Trial Summary | Negative | Negative | Negative | Negative | Negative |
| Positive Control ² | | | 613 ± 12.5 | 640 ± 8.7 | 1779 ± 45.1 |
| Positive Control ⁶ | 830 ± 33.4 | 760 ± 8.0 | | | |

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G06: Ames Summary Data

Test Compound: **Chloroprene**

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Date Report Requested: **09/12/2018**

Time Report Requested: **12:44:07**

Strain: TA98

| Dose (ug/Plate) | With 10% Hamster S9 |
|-------------------------------|----------------------------|
| Vehicle Control ¹ | 28 ± 4.6 |
| 3.0 | |
| 10.0 | 26 ± 1.3 |
| 33.0 | 34 ± 4.6 |
| 100.0 | 28 ± 2.1 |
| 333.0 | 33 ± 3.8 |
| 1000.0 | 25 ± 0.9 |
| 3333.0 | |
| Trial Summary | Negative |
| Positive Control ² | 1761 ± 147.7 |
| Positive Control ⁶ | |

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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: 1.0 ug/Plate Sodium Azide

4: 2.5 ug/Plate 2-Aminoanthracene

5: 50.0 ug/Plate 9-Aminoacridine

6: 5.0 ug/Plate 4-Nitro-O-Phenylenediamine

s: Slight Toxicity

**** END OF REPORT ****