

Experiment Number: 701637

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

G06: Ames Summary Data

Test Compound: **3-Chloro-2-methylpropene**

CAS Number: **563-47-3**

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

Time Report Requested: **12:25:46**

NTP Study Number:

701637

Study Result:

Negative

Experiment Number: 701637

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Test Compound: 3-Chloro-2-methylpropene

CAS Number: 563-47-3

Date Report Requested: 09/12/2018

Time Report Requested: 12:25:46

Strain: TA100

| Dose (ug/Plate) | Without S9 | Without S9 | With 10% Rat S9 | With 30% Rat S9 | With 10% Hamster S9 |
|-------------------------------|-----------------------|------------|------------------------|------------------------|-----------------------|
| Vehicle Control ¹ | 120 ± 7.7 | 96 ± 10.5 | 98 ± 8.7 | 96 ± 4.0 | 108 ± 3.2 |
| 3.0 | 105 ± 3.8 | 118 ± 9.7 | | | |
| 10.0 | 94 ± 9.6 | 121 ± 8.2 | | | |
| 33.0 | 98 ± 10.1 | 103 ± 5.5 | | | |
| 100.0 | 73 ± 7.5 ^s | 94 ± 9.9 | 101 ± 7.0 | 114 ± 1.8 | 99 ± 0.9 |
| 166.0 | | 88 ± 6.2 | | | |
| 333.0 | 0 ± 0.0 ^s | | 105 ± 11.1 | 117 ± 8.2 | 130 ± 12.2 |
| 1000.0 | | | 127 ± 11.3 | 110 ± 13.3 | 114 ± 5.2 |
| 3333.0 | | | 104 ± 9.9 ^s | 132 ± 9.1 | 101 ± 5.5 |
| 10000.0 | | | 0 ± 0.0 ^s | 66 ± 21.1 ^s | 55 ± 5.5 ^s |
| Trial Summary | Negative | Negative | Negative | Equivocal | Negative |
| Positive Control ² | | | | | 510 ± 37.5 |
| Positive Control ³ | | | 502 ± 43.8 | 211 ± 107.0 | |
| Positive Control ⁴ | 530 ± 25.2 | 388 ± 6.5 | | | |

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Strain: TA100

| Dose (ug/Plate) | With 30% Hamster S9 |
|-------------------------------|----------------------------|
| Vehicle Control ¹ | 138 ± 6.6 |
| 3.0 | |
| 10.0 | |
| 33.0 | |
| 100.0 | 119 ± 6.4 |
| 166.0 | |
| 333.0 | 121 ± 10.3 |
| 1000.0 | 127 ± 1.5 |
| 3333.0 | 129 ± 1.5 |
| 10000.0 | 0 ± 0.0 ^s |
| Trial Summary | Negative |
| Positive Control ² | |
| Positive Control ³ | 238 ± 17.8 |
| Positive Control ⁴ | |

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Test Compound: 3-Chloro-2-methylpropene

CAS Number: 563-47-3

Date Report Requested: 09/12/2018

Time Report Requested: 12:25:46

Strain: TA1535

| Dose (ug/Plate) | Without S9 | Without S9 | With 10% Rat S9 | With 30% Rat S9 | With 10% Hamster S9 |
|-------------------------------|------------|------------|----------------------|----------------------|----------------------|
| Vehicle Control ¹ | 22 ± 1.7 | 19 ± 3.2 | 8 ± 2.0 | 8 ± 1.0 | 10 ± 2.0 |
| 3.0 | 15 ± 0.3 | 16 ± 1.2 | | | |
| 10.0 | 14 ± 0.7 | 21 ± 1.7 | | | |
| 33.0 | 14 ± 1.0 | 22 ± 2.9 | | | |
| 100.0 | 14 ± 1.2 | 25 ± 4.9 | 11 ± 2.6 | 10 ± 1.2 | 12 ± 3.5 |
| 166.0 | 14 ± 2.2 | 16 ± 2.0 | | | |
| 333.0 | | | 13 ± 0.3 | 13 ± 0.9 | 8 ± 2.9 |
| 1000.0 | | | 8 ± 1.3 | 9 ± 1.2 | 10 ± 1.5 |
| 3333.0 | | | 7 ± 0.7 ^s | 8 ± 1.7 | 6 ± 0.7 |
| 10000.0 | | | 0 ± 0.0 ^s | 0 ± 0.0 ^s | 5 ± 0.3 ^s |
| Trial Summary | Negative | Negative | Negative | Negative | Negative |
| Positive Control ³ | | | | | 206 ± 19.6 |
| Positive Control ⁴ | 434 ± 3.2 | 416 ± 13.5 | | | |
| Positive Control ⁵ | | | 184 ± 13.0 | 101 ± 7.2 | |

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G06: Ames Summary Data

Test Compound: 3-Chloro-2-methylpropene

CAS Number: 563-47-3

Date Report Requested: 09/12/2018

Time Report Requested: 12:25:46

Strain: TA1535

| Dose (ug/Plate) | With 30% Hamster S9 |
|-------------------------------|----------------------------|
| Vehicle Control ¹ | 13 ± 1.0 |
| 3.0 | |
| 10.0 | |
| 33.0 | |
| 100.0 | 13 ± 2.8 |
| 166.0 | |
| 333.0 | 12 ± 1.2 |
| 1000.0 | 9 ± 1.5 |
| 3333.0 | 14 ± 1.5 |
| 10000.0 | 9 ± 0.9 ^s |
| Trial Summary | Negative |
| Positive Control ³ | |
| Positive Control ⁴ | |
| Positive Control ⁵ | 284 ± 29.9 |

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CAS Number: 563-47-3

Date Report Requested: 09/12/2018

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Strain: TA1537

| Dose (ug/Plate) | Without S9 | Without S9 | With 10% Rat S9 | With 30% Rat S9 | With 10% Hamster S9 |
|-------------------------------|------------|------------|----------------------|----------------------|----------------------|
| Vehicle Control ¹ | 6 ± 0.0 | 12 ± 0.9 | 5 ± 0.3 | 10 ± 1.7 | 7 ± 1.5 |
| 3.0 | 6 ± 0.6 | 9 ± 1.9 | | | |
| 10.0 | 9 ± 2.0 | 5 ± 0.3 | | | |
| 33.0 | 8 ± 0.7 | 8 ± 0.9 | | | |
| 100.0 | 6 ± 0.9 | 8 ± 1.2 | 6 ± 3.0 | 8 ± 2.1 | 7 ± 0.9 |
| 166.0 | 8 ± 2.8 | 6 ± 1.2 | | | |
| 333.0 | | | 4 ± 0.9 | 7 ± 0.0 | 9 ± 1.5 |
| 1000.0 | | | 5 ± 1.7 | 6 ± 0.7 | 7 ± 2.5 |
| 3333.0 | | | 4 ± 0.7 | 4 ± 0.9 | 4 ± 1.2 |
| 10000.0 | | | 0 ± 0.0 ^s | 3 ± 2.7 ^s | 3 ± 0.3 ^s |
| Trial Summary | Negative | Negative | Negative | Negative | Negative |
| Positive Control ² | | | | | 55 ± 7.8 |
| Positive Control ³ | | | 50 ± 1.2 | | |
| Positive Control ⁵ | | | | 54 ± 6.2 | |
| Positive Control ⁶ | 338 ± 33.0 | 163 ± 8.7 | | | |

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CAS Number: 563-47-3

Date Report Requested: 09/12/2018

Time Report Requested: 12:25:46

Strain: TA1537

| Dose (ug/Plate) | With 30% Hamster S9 |
|-------------------------------|----------------------------|
| Vehicle Control ¹ | 9 ± 2.8 |
| 3.0 | |
| 10.0 | |
| 33.0 | |
| 100.0 | 9 ± 1.2 |
| 166.0 | |
| 333.0 | 9 ± 0.9 |
| 1000.0 | 9 ± 1.2 |
| 3333.0 | 7 ± 2.0 |
| 10000.0 | 5 ± 1.5 ^s |
| Trial Summary | Negative |
| Positive Control ² | |
| Positive Control ³ | 48 ± 7.5 |
| Positive Control ⁵ | |
| Positive Control ⁶ | |

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Test Compound: 3-Chloro-2-methylpropene

CAS Number: 563-47-3

Date Report Requested: 09/12/2018

Time Report Requested: 12:25:46

Strain: TA97

| Dose (ug/Plate) | Without S9 | Without S9 | With 10% Rat S9 | With 30% Rat S9 | With 10% Hamster S9 |
|-------------------------------|------------|------------|------------------------|----------------------|------------------------|
| Vehicle Control ¹ | 134 ± 4.2 | 173 ± 12.7 | 176 ± 11.8 | 138 ± 14.7 | 202 ± 2.0 |
| 3.0 | 144 ± 11.2 | 166 ± 9.7 | | | |
| 10.0 | 138 ± 7.1 | 172 ± 3.4 | | | |
| 33.0 | 150 ± 5.2 | 166 ± 4.4 | | | |
| 100.0 | 150 ± 1.2 | 157 ± 5.6 | 190 ± 5.4 | 193 ± 7.7 | 203 ± 11.2 |
| 166.0 | 101 ± 7.1 | 128 ± 5.6 | | | |
| 333.0 | | | 199 ± 5.9 | 155 ± 13.0 | 171 ± 10.7 |
| 1000.0 | | | 189 ± 6.8 | 179 ± 19.6 | 208 ± 3.4 |
| 3333.0 | | | 133 ± 9.6 ^s | 135 ± 12.4 | 182 ± 9.0 ^s |
| 10000.0 | | | 0 ± 0.0 ^s | 0 ± 0.0 ^s | 64 ± 45.6 ^s |
| Trial Summary | Negative | Negative | Negative | Negative | Negative |
| Positive Control ² | | | | | 414 ± 11.2 |
| Positive Control ³ | | | 390 ± 36.0 | | |
| Positive Control ⁵ | | | | 343 ± 28.4 | |
| Positive Control ⁶ | 526 ± 29.2 | 321 ± 52.0 | | | |

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

G06: Ames Summary Data

Test Compound: **3-Chloro-2-methylpropene**

CAS Number: **563-47-3**

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

Time Report Requested: **12:25:46**

Strain: TA97

| Dose (ug/Plate) | With 30% Hamster S9 |
|-------------------------------|----------------------------|
| Vehicle Control ¹ | 175 ± 6.9 |
| 3.0 | |
| 10.0 | |
| 33.0 | |
| 100.0 | 170 ± 7.9 |
| 166.0 | |
| 333.0 | 178 ± 8.5 |
| 1000.0 | 170 ± 6.7 |
| 3333.0 | 116 ± 11.3 |
| 10000.0 | 75 ± 14.7 ^s |
| Trial Summary | Negative |
| Positive Control ² | |
| Positive Control ³ | 290 ± 18.8 |
| Positive Control ⁵ | |
| Positive Control ⁶ | |

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Test Compound: 3-Chloro-2-methylpropene

CAS Number: 563-47-3

Date Report Requested: 09/12/2018

Time Report Requested: 12:25:46

Strain: TA98

| Dose (ug/Plate) | Without S9 | Without S9 | With 10% Rat S9 | With 30% Rat S9 | With 10% Hamster S9 |
|-------------------------------|-----------------------|------------|-----------------------|-----------------------|-----------------------|
| Vehicle Control ¹ | 16 ± 1.8 | 17 ± 1.5 | 25 ± 2.3 | 25 ± 3.8 | 31 ± 3.7 |
| 3.0 | 18 ± 1.5 | 14 ± 2.6 | | | |
| 10.0 | 20 ± 2.1 | 16 ± 1.2 | | | |
| 33.0 | 17 ± 4.1 | 17 ± 2.3 | | | |
| 100.0 | 17 ± 1.8 | 15 ± 3.2 | 19 ± 5.4 | 29 ± 1.2 | 31 ± 3.6 |
| 166.0 | | 12 ± 2.0 | | | |
| 333.0 | 14 ± 1.7 ^s | | 28 ± 1.5 | 20 ± 0.6 | 19 ± 4.1 |
| 1000.0 | | | 25 ± 2.8 | 27 ± 1.2 | 29 ± 4.3 |
| 3333.0 | | | 21 ± 2.8 ^s | 23 ± 2.2 | 25 ± 0.9 ^s |
| 10000.0 | | | Toxic | 10 ± 4.7 ^s | 0 ± 0.3 ^s |
| Trial Summary | Negative | Negative | Negative | Negative | Negative |
| Positive Control ² | | | | | 493 ± 28.5 |
| Positive Control ³ | | | 397 ± 27.7 | 64 ± 2.0 | |
| Positive Control ⁷ | 449 ± 16.4 | 452 ± 18.7 | | | |

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G06: Ames Summary Data

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CAS Number: 563-47-3

Date Report Requested: 09/12/2018

Time Report Requested: 12:25:46

Strain: TA98

| Dose (ug/Plate) | With 30% Hamster S9 |
|-------------------------------|----------------------------|
| Vehicle Control ¹ | 29 ± 4.4 |
| 3.0 | |
| 10.0 | |
| 33.0 | |
| 100.0 | 24 ± 1.7 |
| 166.0 | |
| 333.0 | 28 ± 2.7 |
| 1000.0 | 27 ± 1.9 |
| 3333.0 | 26 ± 1.2 |
| 10000.0 | 21 ± 2.9 ^s |
| Trial Summary | Negative |
| Positive Control ² | |
| Positive Control ³ | 69 ± 3.9 |
| Positive Control ⁷ | |

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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: 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: 50.0 ug/Plate 9-Aminoacridine

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

s: Slight Toxicity

**** END OF REPORT ****