

Experiment Number: 154361

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: **20:32:32**

NTP Study Number:

154361

Study Result:

Negative

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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: 20:32:32

Strain: TA100

| Dose (ug/Plate) | Without S9 | Without S9 | With 10% Rat S9 | With 30% Rat S9 | With 10% Hamster S9 |
|-------------------------------|------------------------|-----------------------|-----------------|-------------------------|---------------------|
| Vehicle Control ¹ | 103 ± 7.8 | 92 ± 4.3 | 127 ± 4.5 | 126 ± 2.5 | 126 ± 2.5 |
| 1.0 | | 92 ± 7.5 | | | |
| 3.3 | 126 ± 4.2 | 93 ± 12.3 | | | |
| 10.0 | 130 ± 5.9 | 96 ± 10.9 | 131 ± 5.9 | 123 ± 2.9 | 100 ± 1.0 |
| 33.0 | 111 ± 9.5 | 90 ± 7.7 | 123 ± 3.1 | 137 ± 6.2 | 114 ± 4.2 |
| 100.0 | 124 ± 5.8 | 76 ± 7.8 ^s | 113 ± 13.1 | 111 ± 16.5 | 105 ± 8.4 |
| 200.0 | 108 ± 8.3 ^s | | | | |
| 333.0 | | | 119 ± 6.3 | 115 ± 12.8 | 109 ± 13.4 |
| 666.0 | | | 125 ± 10.1 | 107 ± 15.4 ^s | 104 ± 1.2 |
| Trial Summary | Negative | Negative | Negative | Negative | Negative |
| Positive Control ² | | | | | 2030 ± 62.6 |
| Positive Control ³ | | | 2012 ± 47.8 | | |
| Positive Control ⁴ | | | | 539 ± 13.5 | |
| Positive Control ⁵ | 1467 ± 14.1 | 1317 ± 12.8 | | | |

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Date Report Requested: 09/12/2018

Time Report Requested: 20:32:32

Strain: TA100

| Dose (ug/Plate) | With 30% Hamster S9 |
|-------------------------------|----------------------------|
| Vehicle Control ¹ | 86 ± 3.7 |
| 1.0 | |
| 3.3 | |
| 10.0 | 80 ± 4.2 |
| 33.0 | 90 ± 1.5 |
| 100.0 | 85 ± 4.2 |
| 200.0 | |
| 333.0 | 96 ± 1.3 |
| 666.0 | 101 ± 3.8 |
| Trial Summary | Negative |
| Positive Control ² | |
| Positive Control ³ | |
| Positive Control ⁴ | 934 ± 15.3 |
| Positive Control ⁵ | |

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CAS Number: 563-47-3

Date Report Requested: 09/12/2018

Time Report Requested: 20:32:32

Strain: TA1535

| Dose (ug/Plate) | Without S9 | Without S9 | With 10% Rat S9 | With 30% Rat S9 | With 10% Hamster S9 |
|-------------------------------|-----------------------|-----------------------|-----------------|-----------------|---------------------|
| Vehicle Control ¹ | 35 ± 0.3 | 20 ± 3.0 | 14 ± 1.2 | 9 ± 1.0 | 9 ± 0.3 |
| 1.0 | | 29 ± 4.2 | | | |
| 3.3 | 31 ± 6.6 | 25 ± 3.3 | | | |
| 10.0 | 31 ± 3.3 | 22 ± 3.0 | 9 ± 1.9 | 11 ± 1.5 | 13 ± 1.3 |
| 33.0 | 31 ± 2.7 | 27 ± 2.6 | 13 ± 2.5 | 13 ± 1.8 | 14 ± 0.9 |
| 100.0 | 35 ± 1.0 | 24 ± 1.5 ^s | 11 ± 2.2 | 13 ± 1.5 | 13 ± 2.5 |
| 200.0 | 22 ± 2.4 ^s | | | | |
| 333.0 | | | 9 ± 1.2 | 11 ± 1.2 | 10 ± 0.7 |
| 666.0 | | | 11 ± 0.9 | 16 ± 1.9 | 10 ± 0.7 |
| Trial Summary | Negative | Negative | Negative | Negative | Negative |
| Positive Control ² | | | | | 216 ± 19.0 |
| Positive Control ³ | | | 158 ± 3.5 | | |
| Positive Control ⁴ | | | | 175 ± 3.3 | |
| Positive Control ⁵ | 1225 ± 12.4 | 1039 ± 10.3 | | | |

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Test Compound: 3-Chloro-2-methylpropene

CAS Number: 563-47-3

Date Report Requested: 09/12/2018

Time Report Requested: 20:32:32

Strain: TA1535

| Dose (ug/Plate) | With 30% Hamster S9 |
|-------------------------------|----------------------------|
| Vehicle Control ¹ | 13 ± 2.3 |
| 1.0 | |
| 3.3 | |
| 10.0 | 9 ± 0.7 |
| 33.0 | 11 ± 3.2 |
| 100.0 | 10 ± 1.7 |
| 200.0 | |
| 333.0 | 13 ± 1.2 |
| 666.0 | 14 ± 3.2 |
| Trial Summary | Negative |
| Positive Control ² | |
| Positive Control ³ | |
| Positive Control ⁴ | 212 ± 15.5 |
| Positive Control ⁵ | |

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Date Report Requested: 09/12/2018

Time Report Requested: 20:32:32

Strain: TA1537

| Dose (ug/Plate) | With 10% Rat S9 | With 10% Rat S9 | With 30% Rat S9 | With 30% Rat S9 |
|-------------------------------|----------------------|----------------------|-----------------|----------------------|
| Vehicle Control ¹ | 7 ± 0.9 | 9 ± 1.2 | 7 ± 0.9 | 9 ± 1.5 |
| 10.0 | 5 ± 1.3 | | 10 ± 0.9 | |
| 33.0 | 7 ± 1.5 | | 8 ± 2.3 | |
| 100.0 | 5 ± 1.5 | 10 ± 2.3 | 9 ± 1.3 | 9 ± 1.0 |
| 333.0 | 9 ± 1.8 | 9 ± 1.5 | 10 ± 1.8 | 11 ± 4.6 |
| 666.0 | 7 ± 1.7 ^s | | 5 ± 0.6 | |
| 667.0 | | 7 ± 0.9 ^s | | 9 ± 0.9 |
| 1000.0 | | 8 ± 1.2 ^s | | 6 ± 2.6 ^s |
| 2000.0 | | Toxic | | 9 ± 1.2 ^s |
| 3000.0 | | Toxic | | 7 ± 2.1 ^s |
| Trial Summary | Negative | Negative | Negative | Negative |
| Positive Control ³ | 77 ± 7.3 | 172 ± 4.4 | | |
| Positive Control ⁴ | | | 33 ± 0.6 | 34 ± 1.5 |

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Test Compound: 3-Chloro-2-methylpropene

CAS Number: 563-47-3

Date Report Requested: 09/12/2018

Time Report Requested: 20:32:32

Strain: TA97

| Dose (ug/Plate) | Without S9 | Without S9 | With 10% Rat S9 | With 10% Rat S9 | With 10% Rat S9 |
|-------------------------------|------------------------|------------------------|-----------------|-----------------------|------------------------|
| Vehicle Control ¹ | 124 ± 3.1 | 128 ± 2.0 | 178 ± 1.2 | 99 ± 6.2 | 163 ± 4.0 |
| 1.0 | | 115 ± 9.2 | | | |
| 3.3 | 149 ± 8.4 | 125 ± 1.2 | | | |
| 10.0 | 171 ± 2.3 | 142 ± 4.7 | 194 ± 5.7 | 100 ± 3.5 | |
| 33.0 | 140 ± 9.8 | 134 ± 7.0 | 203 ± 5.0 | 92 ± 11.3 | |
| 100.0 | 157 ± 8.4 | 149 ± 5.4 ^s | 202 ± 9.0 | 108 ± 7.6 | 175 ± 5.8 |
| 200.0 | 137 ± 3.2 ^s | | | | |
| 333.0 | | | 207 ± 3.8 | 98 ± 9.5 | 160 ± 17.5 |
| 666.0 | | | 185 ± 0.9 | 89 ± 7.1 ^s | |
| 667.0 | | | | | 107 ± 5.0 ^s |
| 1000.0 | | | | | 123 ± 4.4 ^s |
| 2000.0 | | | | | Toxic |
| 3000.0 | | | | | Toxic |
| Trial Summary | Equivocal | Negative | Negative | Negative | Negative |
| Positive Control ² | | | | | |
| Positive Control ³ | | | 1387 ± 29.2 | 891 ± 18.6 | 1411 ± 65.6 |
| Positive Control ⁴ | | | | | |
| Positive Control ⁶ | 1464 ± 42.2 | 543 ± 8.4 | | | |

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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: 20:32:32

Strain: TA97

| Dose (ug/Plate) | With 30% Rat S9 | With 30% Rat S9 | With 30% Rat S9 | With 10% Hamster S9 | With 30% Hamster S9 |
|-------------------------------|-----------------|-----------------|------------------------|---------------------|---------------------|
| Vehicle Control ¹ | 218 ± 17.0 | 166 ± 8.4 | 172 ± 14.4 | 194 ± 4.6 | 168 ± 3.3 |
| 1.0 | | | | | |
| 3.3 | | | | | |
| 10.0 | 210 ± 6.0 | 174 ± 5.3 | | 205 ± 16.8 | 164 ± 5.8 |
| 33.0 | 216 ± 12.7 | 171 ± 3.7 | | 207 ± 5.8 | 182 ± 5.2 |
| 100.0 | 216 ± 22.3 | 170 ± 10.6 | 189 ± 2.2 | 213 ± 15.4 | 185 ± 7.6 |
| 200.0 | | | | | |
| 333.0 | 217 ± 3.2 | 173 ± 1.2 | 178 ± 6.4 | 183 ± 12.9 | 174 ± 9.5 |
| 666.0 | 204 ± 7.9 | 157 ± 2.9 | | 183 ± 11.3 | 194 ± 6.1 |
| 667.0 | | | 189 ± 8.5 | | |
| 1000.0 | | | 167 ± 5.8 | | |
| 2000.0 | | | 165 ± 8.5 ^s | | |
| 3000.0 | | | Toxic | | |
| Trial Summary | Negative | Negative | Negative | Negative | Negative |
| Positive Control ² | | | | 1329 ± 15.7 | |
| Positive Control ³ | | | | | |
| Positive Control ⁴ | 514 ± 55.3 | 359 ± 9.8 | 469 ± 15.6 | | 537 ± 27.0 |
| Positive Control ⁶ | | | | | |

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Time Report Requested: 20:32:32

Strain: TA98

| Dose (ug/Plate) | Without S9 | Without S9 | With 10% Rat S9 | With 30% Rat S9 | With 10% Hamster S9 |
|-------------------------------|-----------------------|-----------------------|-----------------|-----------------|---------------------|
| Vehicle Control ¹ | 17 ± 2.6 | 12 ± 1.2 | 33 ± 3.2 | 43 ± 6.7 | 37 ± 4.4 |
| 1.0 | | 19 ± 2.9 | | | |
| 3.3 | 15 ± 3.2 | 19 ± 3.4 | | | |
| 10.0 | 20 ± 1.5 | 20 ± 1.9 | 32 ± 1.8 | 28 ± 0.7 | 39 ± 2.9 |
| 33.0 | 17 ± 1.5 | 15 ± 2.0 | 38 ± 2.8 | 33 ± 4.4 | 36 ± 3.8 |
| 100.0 | 16 ± 1.5 | 20 ± 4.9 ^s | 29 ± 2.0 | 33 ± 0.6 | 33 ± 0.9 |
| 200.0 | 17 ± 4.4 ^s | | | | |
| 333.0 | | | 39 ± 0.9 | 30 ± 2.9 | 35 ± 3.2 |
| 666.0 | | | 39 ± 2.0 | 33 ± 5.1 | 32 ± 3.0 |
| Trial Summary | Negative | Negative | Negative | Negative | Negative |
| Positive Control ² | | | | | 2074 ± 38.2 |
| Positive Control ³ | | | 1922 ± 9.7 | | |
| Positive Control ⁴ | | | | 470 ± 13.9 | |
| Positive Control ⁷ | 1599 ± 28.8 | 1755 ± 15.7 | | | |

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Strain: TA98

| Dose (ug/Plate) | With 30% Hamster S9 |
|-------------------------------|----------------------------|
| Vehicle Control ¹ | 30 ± 2.3 |
| 1.0 | |
| 3.3 | |
| 10.0 | 30 ± 2.7 |
| 33.0 | 29 ± 5.6 |
| 100.0 | 28 ± 3.5 |
| 200.0 | |
| 333.0 | 32 ± 1.5 |
| 666.0 | 31 ± 1.5 |
| Trial Summary | Negative |
| Positive Control ² | |
| Positive Control ³ | |
| Positive Control ⁴ | 580 ± 290.9 |
| 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: 0.75 ug/Plate 2-Aminoanthracene

3: 1.5 ug/Plate 2-Aminoanthracene

4: 2.0 ug/Plate 2-Aminoanthracene

5: 2.5 ug/Plate Sodium Azide

6: 4.0 ug/Plate 9-Aminoacridine

7: 12.0 ug/Plate 4-Nitro-O-Phenylenediamine

s: Slight Toxicity

**** END OF REPORT ****