

Experiment Number: **A07380**

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

**G06: Ames Summary Data**

Test Compound: **Isopropenyl acetate**

CAS Number: **108-22-5**

Date Report Requested: **09/15/2018**

Time Report Requested: **16:01:34**

**NTP Study Number:**

A07380

**Study Result:**

Negative

Experiment Number: A07380

Test Type: Genetic Toxicology - Bacterial  
Mutagenicity

## G06: Ames Summary Data

Test Compound: Isopropenyl acetate

CAS Number: 108-22-5

Date Report Requested: 09/15/2018

Time Report Requested: 16:01:34

## Strain: TA100

| Dose (ug/Plate)               | Without S9 | Without S9 | With 10% Rat S9 | With 30% Rat S9 | With 10% Hamster S9 |
|-------------------------------|------------|------------|-----------------|-----------------|---------------------|
| Vehicle Control <sup>1</sup>  | 107 ± 4.9  | 166 ± 11.0 | 184 ± 14.6      | 127 ± 7.1       | 176 ± 17.5          |
| 33.0                          | 97 ± 5.9   |            |                 |                 |                     |
| 100.0                         | 109 ± 6.7  | 174 ± 7.1  | 179 ± 5.2       | 133 ± 7.9       | 187 ± 17.0          |
| 333.0                         | 109 ± 11.8 | 141 ± 4.5  | 196 ± 11.0      | 112 ± 6.2       | 165 ± 3.3           |
| 1000.0                        | 99 ± 2.1   | 156 ± 10.1 | 166 ± 3.0       | 141 ± 6.1       | 173 ± 4.8           |
| 3333.0                        | 109 ± 3.0  | 160 ± 6.2  | 186 ± 10.2      | 120 ± 4.1       | 174 ± 8.1           |
| 8333.0                        |            |            |                 |                 |                     |
| 10000.0                       | 105 ± 5.2  | 131 ± 5.8  | 163 ± 2.9       | 97 ± 0.9        | 155 ± 4.7           |
| Trial Summary                 | Negative   | Negative   | Negative        | Negative        | Negative            |
| Positive Control <sup>2</sup> |            |            |                 |                 | 866 ± 66.6          |
| Positive Control <sup>3</sup> | 676 ± 43.9 | 367 ± 7.9  |                 |                 |                     |
| Positive Control <sup>4</sup> |            |            | 501 ± 11.0      |                 |                     |
| Positive Control <sup>5</sup> |            |            |                 |                 |                     |
| Positive Control <sup>6</sup> |            |            |                 | 682 ± 57.2      |                     |

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Strain: TA100

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| Dose (ug/Plate)               | With 30% Hamster S9 |
|-------------------------------|---------------------|
| Vehicle Control <sup>1</sup>  | 126 ± 4.9           |
| 33.0                          |                     |
| 100.0                         | 108 ± 9.0           |
| 333.0                         | 103 ± 2.9           |
| 1000.0                        | 120 ± 8.0           |
| 3333.0                        | 111 ± 4.8           |
| 8333.0                        |                     |
| 10000.0                       | 107 ± 6.1           |
| Trial Summary                 | Negative            |
| Positive Control <sup>2</sup> |                     |
| Positive Control <sup>3</sup> |                     |
| Positive Control <sup>4</sup> |                     |
| Positive Control <sup>5</sup> | 497 ± 90.6          |
| Positive Control <sup>6</sup> |                     |

Experiment Number: A07380

Test Type: Genetic Toxicology - Bacterial  
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## G06: Ames Summary Data

Test Compound: Isopropenyl acetate

CAS Number: 108-22-5

Date Report Requested: 09/15/2018

Time Report Requested: 16:01:34

## Strain: TA1535

| Dose (ug/Plate)               | Without S9 | Without S9 | With 10% Rat S9 | With 30% Rat S9 | With 10% Hamster S9 |
|-------------------------------|------------|------------|-----------------|-----------------|---------------------|
| Vehicle Control <sup>1</sup>  | 9 ± 1.9    | 9 ± 0.7    | 9 ± 0.7         | 16 ± 1.9        | 9 ± 0.7             |
| 33.0                          | 12 ± 1.5   |            |                 | 18 ± 3.5        |                     |
| 100.0                         | 15 ± 1.9   | 6 ± 1.8    | 7 ± 0.9         | 11 ± 1.2        | 10 ± 0.9            |
| 333.0                         | 15 ± 1.8   | 6 ± 1.5    | 5 ± 1.5         | 12 ± 2.9        | 8 ± 1.5             |
| 1000.0                        | 12 ± 1.2   | 8 ± 3.0    | 9 ± 3.4         | 14 ± 3.6        | 8 ± 0.3             |
| 3333.0                        | 12 ± 0.6   | 9 ± 2.1    | 13 ± 3.0        | 13 ± 0.6        | 9 ± 4.0             |
| 10000.0                       | 11 ± 0.9   | 8 ± 1.2    | 10 ± 1.5        | 14 ± 0.3        | 10 ± 2.9            |
| Trial Summary                 | Negative   | Negative   | Negative        | Negative        | Negative            |
| Positive Control <sup>2</sup> |            |            |                 |                 | 231 ± 18.7          |
| Positive Control <sup>3</sup> | 295 ± 33.6 | 190 ± 23.4 |                 |                 |                     |
| Positive Control <sup>5</sup> |            |            |                 |                 |                     |
| Positive Control <sup>6</sup> |            |            | 43 ± 4.9        | 253 ± 22.0      |                     |

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**G06: Ames Summary Data**

Test Compound: Isopropenyl acetate

CAS Number: 108-22-5

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Time Report Requested: 16:01:34

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**Strain: TA1535**

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| <b>Dose (ug/Plate)</b>        | <b>With 30% Hamster S9</b> |
|-------------------------------|----------------------------|
| Vehicle Control <sup>1</sup>  | 14 ± 2.2                   |
| 33.0                          | 16 ± 2.7                   |
| 100.0                         | 18 ± 3.8                   |
| 333.0                         | 13 ± 2.0                   |
| 1000.0                        | 14 ± 0.3                   |
| 3333.0                        | 14 ± 1.2                   |
| 10000.0                       | 14 ± 3.8                   |
| Trial Summary                 | Negative                   |
| Positive Control <sup>2</sup> |                            |
| Positive Control <sup>3</sup> |                            |
| Positive Control <sup>5</sup> | 79 ± 7.0                   |
| Positive Control <sup>6</sup> |                            |

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**G06: Ames Summary Data**  
 Test Compound: Isopropenyl acetate  
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Date Report Requested: 09/15/2018  
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**Strain: TA97**

| Dose (ug/Plate)               | Without S9              | Without S9 | With 10% Rat S9 | With 10% Rat S9 | With 30% Rat S9 |
|-------------------------------|-------------------------|------------|-----------------|-----------------|-----------------|
| Vehicle Control <sup>1</sup>  | 159 ± 3.6               | 111 ± 16.2 | 140 ± 9.2       | 180 ± 3.9       | 195 ± 12.3      |
| 33.0                          | 150 ± 1.9               |            |                 |                 | 180 ± 8.1       |
| 100.0                         | 119 ± 5.0               | 94 ± 7.7   | 135 ± 6.0       | 162 ± 12.7      | 172 ± 14.2      |
| 333.0                         | 133 ± 7.6               | 117 ± 10.0 | 155 ± 3.7       | 152 ± 8.7       | 183 ± 15.4      |
| 1000.0                        | 137 ± 10.5              | 112 ± 3.9  | 166 ± 4.6       | 145 ± 14.0      | 192 ± 3.9       |
| 3333.0                        | 134 ± 7.9               | 118 ± 10.9 | 182 ± 9.7       | 147 ± 4.8       | 221 ± 3.8       |
| 10000.0                       | 119 ± 10.1 <sup>s</sup> | 102 ± 3.8  | 175 ± 1.5       | 152 ± 9.0       | 167 ± 5.5       |
| Trial Summary                 | Negative                | Negative   | Equivocal       | Negative        | Negative        |
| Positive Control <sup>4</sup> |                         |            |                 |                 |                 |
| Positive Control <sup>6</sup> |                         |            | 554 ± 16.3      | 1789 ± 64.7     | 814 ± 76.8      |
| Positive Control <sup>7</sup> | 654 ± 81.3              | 387 ± 55.7 |                 |                 |                 |

Experiment Number: A07380

Test Type: Genetic Toxicology - Bacterial  
Mutagenicity

**G06: Ames Summary Data**

Test Compound: Isopropenyl acetate

CAS Number: 108-22-5

Date Report Requested: 09/15/2018

Time Report Requested: 16:01:34

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**Strain: TA97**

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| <b>Dose (ug/Plate)</b>        | <b>With 10% Hamster S9</b> | <b>With 30% Hamster S9</b> |
|-------------------------------|----------------------------|----------------------------|
| Vehicle Control <sup>1</sup>  | 194 ± 8.5                  | 181 ± 14.8                 |
| 33.0                          |                            | 220 ± 11.9                 |
| 100.0                         | 198 ± 11.0                 | 216 ± 12.2                 |
| 333.0                         | 159 ± 7.9                  | 205 ± 14.7                 |
| 1000.0                        | 169 ± 16.6                 | 170 ± 12.8                 |
| 3333.0                        | 160 ± 6.1                  | 216 ± 20.0                 |
| 10000.0                       | 163 ± 15.8                 | 180 ± 8.0                  |
| Trial Summary                 | Negative                   | Negative                   |
| Positive Control <sup>4</sup> | 1802 ± 37.1                |                            |
| Positive Control <sup>6</sup> |                            | 848 ± 92.2                 |
| Positive Control <sup>7</sup> |                            |                            |

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## G06: Ames Summary Data

Test Compound: Isopropenyl acetate

CAS Number: 108-22-5

Date Report Requested: 09/15/2018

Time Report Requested: 16:01:34

## Strain: TA98

| Dose (ug/Plate)               | Without S9           | Without S9 | With 10% Rat S9 | With 30% Rat S9 | With 10% Hamster S9 |
|-------------------------------|----------------------|------------|-----------------|-----------------|---------------------|
| Vehicle Control <sup>1</sup>  | 12 ± 1.0             | 10 ± 2.7   | 13 ± 2.1        | 18 ± 2.1        | 15 ± 0.9            |
| 100.0                         | 9 ± 0.6              | 10 ± 1.7   | 10 ± 3.4        | 14 ± 3.2        | 11 ± 0.7            |
| 333.0                         | 13 ± 1.9             | 10 ± 1.2   | 13 ± 1.5        | 17 ± 1.9        | 11 ± 3.5            |
| 1000.0                        | 12 ± 0.9             | 11 ± 2.5   | 11 ± 0.9        | 22 ± 2.6        | 10 ± 0.3            |
| 3333.0                        | 11 ± 1.2             | 8 ± 1.7    | 9 ± 2.2         | 17 ± 0.7        | 10 ± 1.3            |
| 8333.0                        | 6 ± 4.2 <sup>s</sup> |            |                 |                 |                     |
| 10000.0                       |                      | 10 ± 2.4   | 8 ± 0.7         | 17 ± 1.5        | 9 ± 1.9             |
| Trial Summary                 | Negative             | Negative   | Negative        | Negative        | Negative            |
| Positive Control <sup>2</sup> |                      |            | 424 ± 33.4      |                 | 333 ± 38.4          |
| Positive Control <sup>8</sup> | 75 ± 2.7             | 79 ± 9.7   |                 |                 |                     |
| Positive Control <sup>5</sup> |                      |            |                 | 219 ± 11.5      |                     |



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Mutagenicity

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Strain: TA98

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| Dose (ug/Plate)               | With 30% Hamster S9 |
|-------------------------------|---------------------|
| Vehicle Control <sup>1</sup>  | 22 ± 2.5            |
| 100.0                         | 16 ± 1.2            |
| 333.0                         | 25 ± 2.6            |
| 1000.0                        | 18 ± 1.5            |
| 3333.0                        | 16 ± 1.0            |
| 8333.0                        |                     |
| 10000.0                       | 19 ± 2.6            |
| Trial Summary                 | Negative            |
| Positive Control <sup>2</sup> |                     |
| Positive Control <sup>8</sup> |                     |
| Positive Control <sup>5</sup> | 592 ± 35.7          |

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**LEGEND**

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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: 24.0 ug/Plate 9-Aminoacridine

8: 1.0 ug/Plate 4-Nitro-O-Phenylenediamine

s: Slight Toxicity

**\*\* END OF REPORT \*\***