

Experiment Number: **G03042**

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

**G06: Ames Summary Data**

Test Compound: **Aloe vera charcoal filtered whole leaf extract**

CAS Number: **ALOEVFILTER**

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

Time Report Requested: **18:19:10**

**NTP Study Number:**

G03042

**Study Result:**

Negative

Experiment Number: G03042  
Test Type: Genetic Toxicology - Bacterial  
Mutagenicity

G06: Ames Summary Data  
Test Compound: Aloe vera charcoal filtered whole leaf extract  
CAS Number: ALOEVFILTER

Date Report Requested: 09/15/2018  
Time Report Requested: 18:19:10

---

**Strain: TA100**

---

| Dose (ug/Plate)               | Without S9 | Without S9 | With 10% Rat S9 | With 10% Rat S9 |
|-------------------------------|------------|------------|-----------------|-----------------|
| Vehicle Control <sup>1</sup>  | 104 ± 1.3  | 93 ± 10.6  | 99 ± 2.6        | 101 ± 5.6       |
| 50.0                          |            | 114 ± 2.7  |                 | 98 ± 4.0        |
| 100.0                         | 119 ± 10.2 |            | 136 ± 2.0       |                 |
| 125.0                         |            | 100 ± 2.4  |                 | 98 ± 6.8        |
| 500.0                         | 110 ± 3.6  | 102 ± 3.4  | 109 ± 1.5       | 96 ± 2.8        |
| 1000.0                        | 115 ± 6.9  | 98 ± 3.0   | 119 ± 14.8      | 114 ± 6.7       |
| 3000.0                        | 105 ± 9.3  | 113 ± 7.8  | 109 ± 5.7       | 117 ± 11.7      |
| 6000.0                        | 143 ± 36.6 | 99 ± 0.9   | 98 ± 6.6        | 106 ± 4.7       |
| Trial Summary                 | Negative   | Negative   | Negative        | Negative        |
| Positive Control <sup>2</sup> | 750 ± 38.0 | 663 ± 11.0 |                 |                 |
| Positive Control <sup>3</sup> |            |            |                 | 2267 ± 48.1     |
| Positive Control <sup>4</sup> |            |            | 732 ± 21.4      |                 |

Experiment Number: **G03042**  
 Test Type: **Genetic Toxicology - Bacterial Mutagenicity**

**G06: Ames Summary Data**  
 Test Compound: **Aloe vera charcoal filtered whole leaf extract**  
 CAS Number: **ALOEVFILTER**

Date Report Requested: **09/15/2018**  
 Time Report Requested: **18:19:10**

**Strain: TA98**

| <b>Dose (ug/Plate)</b>        | <b>Without S9</b> | <b>Without S9</b> | <b>Without S9</b> | <b>Without S9</b> | <b>With 10% Rat S9</b> |
|-------------------------------|-------------------|-------------------|-------------------|-------------------|------------------------|
| Vehicle Control <sup>5</sup>  |                   |                   |                   |                   | 42 ± 9.0               |
| Vehicle Control <sup>1</sup>  | 26 ± 0.3          | 23 ± 1.8          | 21 ± 5.8          | 21 ± 2.0          |                        |
| 50.0                          |                   | 24 ± 3.7          | 21 ± 1.5          | 25 ± 3.9          |                        |
| 100.0                         | 41 ± 6.2          |                   |                   |                   | 62 ± 2.4               |
| 125.0                         |                   | 21 ± 1.8          | 19 ± 1.0          | 13 ± 1.7          |                        |
| 500.0                         | 45 ± 10.2         | 22 ± 3.8          | 26 ± 6.6          | 19 ± 2.2          | 50 ± 7.9               |
| 1000.0                        | 39 ± 5.6          | 25 ± 1.3          | 32 ± 3.1          | 25 ± 0.3          | 44 ± 5.8               |
| 3000.0                        | 36 ± 7.4          | 22 ± 3.5          | 24 ± 5.5          | 22 ± 3.5          | 42 ± 1.2               |
| 6000.0                        | 67 ± 4.7          | 24 ± 2.1          | 25 ± 5.0          | 23 ± 4.4          | 48 ± 11.6              |
| Trial Summary                 | Positive          | Negative          | Negative          | Negative          | Negative               |
| Positive Control <sup>6</sup> |                   |                   |                   |                   | 743 ± 31.7             |
| Positive Control <sup>7</sup> | 625 ± 64.8        | 752 ± 46.0        | 617 ± 44.2        | 684 ± 27.8        |                        |

Experiment Number: **G03042**  
Test Type: **Genetic Toxicology - Bacterial Mutagenicity**

**G06: Ames Summary Data**  
Test Compound: **Aloe vera charcoal filtered whole leaf extract**  
CAS Number: **ALOEVFILTER**

Date Report Requested: **09/15/2018**  
Time Report Requested: **18:19:10**

---

**Strain: TA98**

---

| <b>Dose (ug/Plate)</b>        | <b>With 10% Rat S9</b> |
|-------------------------------|------------------------|
| Vehicle Control <sup>5</sup>  |                        |
| Vehicle Control <sup>1</sup>  | 27 ± 1.3               |
| 50.0                          | 35 ± 2.9               |
| 100.0                         |                        |
| 125.0                         | 23 ± 6.0               |
| 500.0                         | 23 ± 2.9               |
| 1000.0                        | 26 ± 4.6               |
| 3000.0                        | 28 ± 3.8               |
| 6000.0                        | 30 ± 1.9               |
| Trial Summary                 | Negative               |
| Positive Control <sup>6</sup> | 1667 ± 50.0            |
| Positive Control <sup>7</sup> |                        |

Experiment Number: G03042

Test Type: Genetic Toxicology - Bacterial Mutagenicity

G06: Ames Summary Data

Test Compound: Aloe vera charcoal filtered whole leaf extract

CAS Number: ALOEVFILTER

Date Report Requested: 09/15/2018

Time Report Requested: 18:19:10

Strain: E. coli WP2 uvrA pKM101

| Dose (ug/Plate)                | Without S9  | Without S9  | With 10% Rat S9 | With 10% Rat S9 |
|--------------------------------|-------------|-------------|-----------------|-----------------|
| Vehicle Control <sup>1</sup>   | 177 ± 11.1  | 145 ± 11.5  | 194 ± 17.8      | 212 ± 2.0       |
| 50.0                           |             | 141 ± 14.2  |                 | 172 ± 3.2       |
| 100.0                          | 187 ± 14.1  |             | 216 ± 11.1      |                 |
| 125.0                          |             | 149 ± 6.7   |                 | 181 ± 18.0      |
| 500.0                          | 174 ± 14.3  | 140 ± 5.1   | 206 ± 3.8       | 177 ± 2.4       |
| 1000.0                         | 180 ± 5.8   | 160 ± 8.7   | 199 ± 1.8       | 195 ± 4.7       |
| 3000.0                         | 200 ± 8.2   | 159 ± 4.8   | 212 ± 2.0       | 193 ± 10.3      |
| 6000.0                         | 196 ± 3.6   | 178 ± 6.0   | 200 ± 7.8       | 205 ± 6.1       |
| Trial Summary                  | Negative    | Negative    | Negative        | Negative        |
| Positive Control <sup>8</sup>  |             |             | 793 ± 65.1      |                 |
| Positive Control <sup>9</sup>  |             |             |                 | 1605 ± 252.0    |
| Positive Control <sup>10</sup> |             | 1233 ± 19.1 |                 |                 |
| Positive Control <sup>11</sup> | 3575 ± 65.9 |             |                 |                 |

Experiment Number: **G03042**  
Test Type: **Genetic Toxicology - Bacterial Mutagenicity**

**G06: Ames Summary Data**  
Test Compound: **Aloe vera charcoal filtered whole leaf extract**  
CAS Number: **ALOEVFILTER**

Date Report Requested: **09/15/2018**  
Time Report Requested: **18:19:10**

## **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: Distilled Water
- 2: 1.0 ug/Plate Sodium Azide
- 3: 2.5 ug/Plate 2-Aminoanthracene
- 4: 5.0 ug/Plate 2-Aminoanthracene
- 5: Vehicle Control: Dimethyl Sulfoxide
- 6: 2.0 ug/Plate 2-Aminoanthracene
- 7: 3.0 ug/Plate 2-Nitrofluorene
- 8: 10.0 ug/Plate 2-Aminoanthracene
- 9: 20.0 ug/Plate 2-Aminoanthracene
- 10: 100.0 ug/Plate Methyl Methane Sulfonate
- 11: 400.0 ug/Plate Methyl Methane Sulfonate

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