

Experiment Number: **G12077**

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

G06: Ames Summary Data

Test Compound: **Potassium hydroxycitrate tribasic monohydrate**

CAS Number: **232281-44-6**

Date Report Requested: **09/16/2018**

Time Report Requested: **03:33:56**

NTP Study Number:

G12077

Study Result:

Negative

Experiment Number: G12077

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CAS Number: 232281-44-6

Date Report Requested: 09/16/2018

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Strain: TA100

| Dose (ug/Plate) | Without S9 | Without S9 | With 10% Rat S9 | With 10% Rat S9 |
|-------------------------------|-------------------|-------------------|------------------------|------------------------|
| Vehicle Control ¹ | 104 ± 7.3 | 75 ± 2.6 | 95 ± 8.1 | 85 ± 7.6 |
| 100.0 | 91 ± 9.7 | 83 ± 5.4 | 137 ± 14.1 | 73 ± 1.2 |
| 250.0 | 112 ± 8.6 | 89 ± 5.3 | 121 ± 10.5 | 74 ± 1.7 |
| 500.0 | 91 ± 13.9 | 74 ± 6.5 | 116 ± 4.3 | 75 ± 3.2 |
| 1500.0 | 83 ± 7.8 | 75 ± 3.8 | 126 ± 4.2 | 78 ± 7.7 |
| 3000.0 | 103 ± 8.3 | 91 ± 1.9 | 116 ± 5.9 | 79 ± 3.2 |
| 6000.0 | 107 ± 6.1 | 73 ± 5.8 | 105 ± 8.0 | 101 ± 9.1 |
| Trial Summary | Negative | Negative | Negative | Negative |
| Positive Control ² | 564 ± 16.9 | 443 ± 2.3 | | |
| Positive Control ³ | | | 674 ± 64.0 | 446 ± 7.0 |

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Strain: TA98

| Dose (ug/Plate) | Without S9 | Without S9 | With 10% Rat S9 | With 10% Rat S9 |
|-------------------------------|------------|------------|-----------------|-----------------|
| Vehicle Control ¹ | 33 ± 6.4 | 16 ± 2.6 | 43 ± 3.8 | 21 ± 1.8 |
| 100.0 | 39 ± 3.2 | 22 ± 1.5 | 36 ± 5.8 | 28 ± 2.0 |
| 250.0 | 34 ± 3.5 | 17 ± 1.3 | 39 ± 0.3 | 25 ± 4.3 |
| 500.0 | 35 ± 3.8 | 18 ± 1.2 | 47 ± 4.5 | 27 ± 3.2 |
| 1500.0 | 31 ± 1.5 | 15 ± 1.5 | 40 ± 3.2 | 28 ± 2.7 |
| 3000.0 | 30 ± 1.9 | 16 ± 2.1 | 35 ± 2.7 | 22 ± 2.1 |
| 6000.0 | 26 ± 1.7 | 16 ± 1.2 | 42 ± 2.2 | 24 ± 1.5 |
| Trial Summary | Negative | Negative | Negative | Negative |
| Positive Control ⁴ | | | 1081 ± 35.8 | 1398 ± 31.5 |
| Positive Control ⁵ | 790 ± 37.0 | 551 ± 32.0 | | |

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Strain: E. coli WP2 uvrA pKM101

| Dose (ug/Plate) | Without S9 | Without S9 | With 10% Rat S9 | With 10% Rat S9 |
|-------------------------------|--------------|-------------|-----------------|-----------------|
| Vehicle Control ¹ | 159 ± 12.1 | 173 ± 6.6 | 165 ± 4.7 | 157 ± 8.3 |
| 100.0 | 149 ± 15.4 | 163 ± 5.4 | 173 ± 11.0 | 186 ± 6.0 |
| 250.0 | 123 ± 4.9 | 167 ± 11.4 | 186 ± 8.8 | 180 ± 2.7 |
| 500.0 | 122 ± 3.8 | 153 ± 6.9 | 188 ± 8.3 | 204 ± 0.6 |
| 1500.0 | 132 ± 6.9 | 156 ± 3.7 | 184 ± 13.9 | 196 ± 14.3 |
| 3000.0 | 157 ± 11.4 | 180 ± 7.2 | 182 ± 16.0 | 179 ± 5.0 |
| 6000.0 | 150 ± 2.6 | 163 ± 9.5 | 182 ± 10.4 | 193 ± 17.6 |
| Trial Summary | Negative | Negative | Negative | Negative |
| Positive Control ⁶ | 1905 ± 106.3 | 1825 ± 77.3 | | |
| Positive Control ⁷ | | | 1422 ± 30.6 | 1500 ± 21.8 |

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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: Distilled Water

2: 1.0 ug/Plate Sodium Azide

3: 2.0 ug/Plate Other Positive Control

4: 2.0 ug/Plate 2-Aminoanthracene

5: 3.0 ug/Plate 2-Nitrofluorene

6: 0.25 ug/Plate Other Positive Control

7: 20.0 ug/Plate 2-Aminoanthracene

**** END OF REPORT ****