

Experiment Number: 659833

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

G06: Ames Summary Data

Test Compound: **Saccharin**

CAS Number: **81-07-2**

Date Report Requested: **09/11/2018**

Time Report Requested: **11:27:11**

NTP Study Number:

659833

Study Result:

Negative

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Mutagenicity

G06: Ames Summary Data

Test Compound: Saccharin

CAS Number: 81-07-2

Date Report Requested: 09/11/2018

Time Report Requested: 11:27:11

Strain: TA100

| Dose (ug/Plate) | Without S9 | Without S9 | With 10% Rat S9 | With 10% Rat S9 | With 10% Hamster S9 |
|-------------------------------|------------|-------------|-----------------|-----------------|---------------------|
| Vehicle Control ¹ | 148 ± 8.9 | 159 ± 3.2 | 148 ± 16.9 | 216 ± 5.7 | 152 ± 4.0 |
| 100.0 | 120 ± 6.4 | 167 ± 14.4 | 125 ± 6.7 | 201 ± 6.7 | 141 ± 0.7 |
| 333.0 | 142 ± 11.9 | 164 ± 6.7 | 119 ± 7.8 | 198 ± 4.0 | 138 ± 10.7 |
| 1000.0 | 138 ± 6.0 | 172 ± 7.9 | 134 ± 3.8 | 192 ± 9.2 | 142 ± 3.7 |
| 3333.0 | 133 ± 4.2 | 170 ± 8.9 | 129 ± 11.8 | 189 ± 2.0 | 143 ± 6.1 |
| 10000.0 | 134 ± 6.7 | 161 ± 9.8 | 124 ± 9.5 | 202 ± 5.0 | 149 ± 14.3 |
| Trial Summary | Negative | Negative | Negative | Negative | Negative |
| Positive Control ² | | | | | 1267 ± 9.0 |
| Positive Control ³ | | | 1048 ± 28.7 | 1100 ± 61.4 | |
| Positive Control ⁴ | 960 ± 80.3 | 1504 ± 29.3 | | | |

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Time Report Requested: 11:27:11

Strain: TA100

| Dose (ug/Plate) | With 10% Hamster S9 |
|-------------------------------|---------------------|
| Vehicle Control ¹ | 156 ± 6.4 |
| 100.0 | 158 ± 14.3 |
| 333.0 | 161 ± 5.8 |
| 1000.0 | 173 ± 4.6 |
| 3333.0 | 166 ± 7.4 |
| 10000.0 | 162 ± 7.0 |
| Trial Summary | Negative |
| Positive Control ² | 1259 ± 30.0 |
| Positive Control ³ | |
| Positive Control ⁴ | |

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G06: Ames Summary Data

Test Compound: Saccharin

CAS Number: 81-07-2

Date Report Requested: 09/11/2018

Time Report Requested: 11:27:11

Strain: TA1535

| Dose (ug/Plate) | Without S9 | Without S9 | With 10% Rat S9 | With 10% Rat S9 | With 10% Hamster S9 |
|-------------------------------|------------|-------------|-----------------|-----------------|---------------------|
| Vehicle Control ¹ | 28 ± 3.2 | 28 ± 3.8 | 13 ± 2.9 | 12 ± 4.3 | 10 ± 1.2 |
| 100.0 | 20 ± 2.0 | 34 ± 2.2 | 12 ± 4.0 | 14 ± 1.5 | 10 ± 1.2 |
| 333.0 | 23 ± 2.9 | 31 ± 1.9 | 11 ± 3.0 | 15 ± 0.7 | 8 ± 2.0 |
| 1000.0 | 26 ± 5.8 | 26 ± 2.4 | 15 ± 1.2 | 17 ± 1.9 | 13 ± 2.0 |
| 3333.0 | 23 ± 0.0 | 34 ± 2.3 | 8 ± 1.5 | 16 ± 3.0 | 9 ± 0.9 |
| 10000.0 | 25 ± 1.3 | 27 ± 2.7 | 9 ± 2.1 | 18 ± 2.5 | 9 ± 3.5 |
| Trial Summary | Negative | Negative | Negative | Negative | Negative |
| Positive Control ² | | | | | 120 ± 16.0 |
| Positive Control ³ | | | 91 ± 4.6 | 111 ± 9.0 | |
| Positive Control ⁴ | 797 ± 55.8 | 1114 ± 67.8 | | | |

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Test Compound: Saccharin
CAS Number: 81-07-2

Date Report Requested: 09/11/2018
Time Report Requested: 11:27:11

Strain: TA1535

| Dose (ug/Plate) | With 10% Hamster S9 |
|-------------------------------|---------------------|
| Vehicle Control ¹ | 15 ± 2.4 |
| 100.0 | 19 ± 1.8 |
| 333.0 | 17 ± 1.8 |
| 1000.0 | 22 ± 1.8 |
| 3333.0 | 20 ± 2.9 |
| 10000.0 | 18 ± 0.6 |
| Trial Summary | Negative |
| Positive Control ² | 128 ± 3.5 |
| Positive Control ³ | |
| Positive Control ⁴ | |

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G06: Ames Summary Data

Test Compound: Saccharin

CAS Number: 81-07-2

Date Report Requested: 09/11/2018

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Strain: TA1537

| Dose (ug/Plate) | Without S9 | Without S9 | With 10% Rat S9 | With 10% Rat S9 | With 10% Hamster S9 |
|-------------------------------|------------|------------|-----------------|-----------------|---------------------|
| Vehicle Control ¹ | 8 ± 1.3 | 8 ± 2.6 | 7 ± 1.5 | 6 ± 1.2 | 7 ± 2.1 |
| 100.0 | 8 ± 0.9 | 6 ± 0.0 | 5 ± 1.7 | 12 ± 0.0 | 7 ± 1.9 |
| 333.0 | 7 ± 2.6 | 7 ± 1.9 | 8 ± 1.2 | 8 ± 2.0 | 12 ± 1.9 |
| 1000.0 | 8 ± 0.9 | 6 ± 1.8 | 8 ± 2.2 | 10 ± 1.2 | 8 ± 1.8 |
| 3333.0 | 6 ± 1.2 | 7 ± 1.7 | 8 ± 0.3 | 9 ± 0.7 | 5 ± 1.2 |
| 10000.0 | 8 ± 2.6 | 6 ± 1.8 | 8 ± 1.2 | 4 ± 0.0 | 9 ± 0.7 |
| Trial Summary | Negative | Negative | Negative | Negative | Negative |
| Positive Control ² | | | | | 107 ± 3.5 |
| Positive Control ³ | | | 83 ± 10.6 | 73 ± 7.0 | |
| Positive Control ⁵ | 338 ± 9.9 | 134 ± 31.3 | | | |

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Test Compound: Saccharin
CAS Number: 81-07-2

Date Report Requested: 09/11/2018
Time Report Requested: 11:27:11

Strain: TA1537

| Dose (ug/Plate) | With 10% Hamster S9 |
|-------------------------------|---------------------|
| Vehicle Control ¹ | 11 ± 0.9 |
| 100.0 | 11 ± 2.1 |
| 333.0 | 7 ± 0.3 |
| 1000.0 | 8 ± 1.5 |
| 3333.0 | 12 ± 0.6 |
| 10000.0 | 8 ± 0.7 |
| Trial Summary | Negative |
| Positive Control ² | 70 ± 3.2 |
| Positive Control ³ | |
| Positive Control ⁵ | |

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Test Compound: Saccharin

CAS Number: 81-07-2

Date Report Requested: 09/11/2018

Time Report Requested: 11:27:11

Strain: TA98

| Dose (ug/Plate) | Without S9 | Without S9 | With 10% Rat S9 | With 10% Rat S9 | With 10% Hamster S9 |
|-------------------------------|-------------|-------------|-----------------|-----------------|---------------------|
| Vehicle Control ¹ | 21 ± 1.8 | 17 ± 1.9 | 30 ± 5.2 | 29 ± 0.6 | 32 ± 0.6 |
| 100.0 | 23 ± 3.5 | 17 ± 2.3 | 29 ± 1.8 | 33 ± 4.3 | 37 ± 3.5 |
| 333.0 | 26 ± 3.8 | 21 ± 0.9 | 25 ± 2.6 | 35 ± 1.7 | 31 ± 3.1 |
| 1000.0 | 18 ± 2.4 | 20 ± 3.0 | 27 ± 3.5 | 28 ± 2.0 | 36 ± 3.8 |
| 3333.0 | 17 ± 2.0 | 16 ± 3.8 | 29 ± 1.5 | 37 ± 3.0 | 32 ± 2.3 |
| 10000.0 | 20 ± 0.7 | 13 ± 0.6 | 33 ± 3.2 | 30 ± 2.1 | 34 ± 4.2 |
| Trial Summary | Negative | Negative | Negative | Negative | Negative |
| Positive Control ² | | | | | 1308 ± 36.5 |
| Positive Control ³ | | | 938 ± 7.8 | 685 ± 51.9 | |
| Positive Control ⁶ | 1619 ± 62.3 | 1315 ± 17.4 | | | |

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Strain: TA98

| Dose (ug/Plate) | With 10% Hamster S9 |
|-------------------------------|----------------------------|
| Vehicle Control ¹ | 33 ± 3.7 |
| 100.0 | 33 ± 3.8 |
| 333.0 | 27 ± 5.6 |
| 1000.0 | 35 ± 0.9 |
| 3333.0 | 29 ± 3.8 |
| 10000.0 | 31 ± 3.1 |
| Trial Summary | Negative |
| Positive Control ² | 844 ± 18.3 |
| Positive Control ³ | |
| Positive Control ⁶ | |

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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: Water

2: 0.75 ug/Plate 2-Aminoanthracene

3: 1.5 ug/Plate 2-Aminoanthracene

4: 2.5 ug/Plate Sodium Azide

5: 80.0 ug/Plate 9-Aminoacridine

6: 12.0 ug/Plate 4-Nitro-O-Phenylenediamine

**** END OF REPORT ****