

Experiment Number: 666391

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: Rhodamine 6G

CAS Number: 989-38-8

Date Report Requested: 09/11/2018

Time Report Requested: 12:13:17

NTP Study Number:

666391

Study Result:

Negative

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Test Compound: Rhodamine 6G

CAS Number: 989-38-8

Date Report Requested: 09/11/2018

Time Report Requested: 12:13:17

Strain: TA100

| Dose (ug/Plate) | Without S9 | Without S9 | With 10% Rat S9 | With 10% Rat S9 | With 10% Rat S9 |
|-------------------------------|-------------|------------|-----------------|-----------------|-----------------|
| Vehicle Control ¹ | 98 ± 12.1 | 131 ± 13.2 | 121 ± 9.4 | 164 ± 9.4 | 160 ± 5.7 |
| 0.3 | 93 ± 4.0 | 131 ± 11.9 | | | |
| 1.0 | 95 ± 5.3 | 155 ± 2.4 | | | |
| 3.3 | 99 ± 1.7 | 135 ± 7.0 | | 183 ± 2.9 | |
| 6.7 | | | | | 190 ± 8.4 |
| 10.0 | 101 ± 10.3 | 113 ± 5.8 | 100 ± 5.7 | 184 ± 0.6 | 199 ± 10.4 |
| 16.7 | | | | | 192 ± 12.8 |
| 33.0 | 100 ± 3.8 | 118 ± 16.1 | 118 ± 5.3 | 197 ± 10.2 | 173 ± 8.8 |
| 67.0 | | | | | 155 ± 20.7 |
| 100.0 | | | 114 ± 3.8 | 149 ± 16.2 | |
| 333.0 | | | 128 ± 2.6 | 150 ± 15.0 | |
| 1000.0 | | | 37 ± 8.4 | | |
| Trial Summary | Negative | Negative | Negative | Weakly Positive | Negative |
| Positive Control ² | | | 467 ± 48.5 | 1093 ± 54.3 | 1266 ± 20.0 |
| Positive Control ³ | 1000 ± 11.7 | 998 ± 45.5 | | | |

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Strain: TA100

| Dose (ug/Plate) | With 10% Hamster S9 | With 10% Hamster S9 |
|-------------------------------|---------------------|---------------------|
| Vehicle Control ¹ | 137 ± 3.7 | 181 ± 4.6 |
| 0.3 | | |
| 1.0 | | |
| 3.3 | | 142 ± 5.2 |
| 6.7 | | |
| 10.0 | 132 ± 8.6 | 129 ± 9.3 |
| 16.7 | | |
| 33.0 | 148 ± 16.4 | 144 ± 4.4 |
| 67.0 | | |
| 100.0 | 136 ± 4.7 | 153 ± 8.0 |
| 333.0 | 162 ± 6.8 | 123 ± 8.1 |
| 1000.0 | 71 ± 2.6 | |
| Trial Summary | Negative | Negative |
| Positive Control ² | 1985 ± 74.8 | 1169 ± 53.6 |
| Positive Control ³ | | |

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Test Compound: Rhodamine 6G

CAS Number: 989-38-8

Date Report Requested: 09/11/2018

Time Report Requested: 12:13:17

Strain: TA1535

| Dose (ug/Plate) | Without S9 | Without S9 | With 10% Rat S9 | With 10% Rat S9 | With 10% Hamster S9 |
|-------------------------------|------------|------------|-----------------|-----------------|---------------------|
| Vehicle Control ¹ | 9 ± 0.3 | 12 ± 2.7 | 14 ± 1.2 | 16 ± 1.5 | 10 ± 0.3 |
| 0.3 | 10 ± 1.8 | 13 ± 0.7 | | | |
| 1.0 | 5 ± 1.2 | 18 ± 4.4 | | | |
| 3.3 | 6 ± 1.0 | 13 ± 3.1 | | 15 ± 1.0 | |
| 10.0 | 8 ± 1.2 | 16 ± 3.0 | 12 ± 1.9 | 21 ± 2.6 | 14 ± 2.8 |
| 33.0 | 7 ± 0.6 | 14 ± 1.2 | 15 ± 2.2 | 20 ± 2.5 | 17 ± 0.6 |
| 100.0 | | | 11 ± 1.2 | 17 ± 0.6 | 15 ± 1.7 |
| 333.0 | | | 7 ± 0.9 | 13 ± 0.9 | 13 ± 1.2 |
| 1000.0 | | | Toxic | | Toxic |
| Trial Summary | Negative | Negative | Negative | Negative | Negative |
| Positive Control ⁴ | | | 215 ± 2.3 | 345 ± 31.7 | 158 ± 7.4 |
| Positive Control ³ | 346 ± 15.9 | 892 ± 35.4 | | | |

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G06: Ames Summary Data
Test Compound: Rhodamine 6G
CAS Number: 989-38-8

Date Report Requested: 09/11/2018
Time Report Requested: 12:13:17

Strain: TA1535

| Dose (ug/Plate) | With 10% Hamster S9 |
|-------------------------------|---------------------|
| Vehicle Control ¹ | 15 ± 1.0 |
| 0.3 | |
| 1.0 | |
| 3.3 | 17 ± 1.8 |
| 10.0 | 15 ± 1.9 |
| 33.0 | 14 ± 0.9 |
| 100.0 | 15 ± 2.0 |
| 333.0 | 16 ± 0.9 |
| 1000.0 | |
| Trial Summary | Negative |
| Positive Control ⁴ | 372 ± 10.2 |
| Positive Control ³ | |

Experiment Number: 666391

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Mutagenicity**G06: Ames Summary Data**

Test Compound: Rhodamine 6G

CAS Number: 989-38-8

Date Report Requested: 09/11/2018

Time Report Requested: 12:13:17

Strain: TA1537

| Dose (ug/Plate) | Without S9 | Without S9 | With 10% Rat S9 | With 10% Rat S9 | With 10% Hamster S9 |
|-------------------------------|------------|------------|-----------------|-----------------|---------------------|
| Vehicle Control ¹ | 7 ± 2.4 | 6 ± 1.0 | 10 ± 0.9 | 9 ± 1.5 | 10 ± 1.7 |
| 0.3 | 10 ± 3.2 | 6 ± 2.6 | | | |
| 1.0 | 9 ± 0.6 | 8 ± 0.7 | | | |
| 3.3 | 13 ± 1.2 | 8 ± 0.7 | | 11 ± 1.9 | |
| 10.0 | 9 ± 1.5 | 5 ± 0.7 | 9 ± 1.2 | 8 ± 0.3 | 15 ± 1.0 |
| 33.0 | 7 ± 0.3 | 6 ± 1.0 | 9 ± 0.3 | 8 ± 1.9 | 10 ± 2.5 |
| 100.0 | | | 10 ± 0.9 | 9 ± 2.3 | 9 ± 1.3 |
| 333.0 | | | 9 ± 2.0 | 8 ± 2.0 | 10 ± 0.3 |
| 1000.0 | | | Toxic | | 0 ± 0.0 |
| Trial Summary | Negative | Negative | Negative | Negative | Negative |
| Positive Control ⁴ | | | 228 ± 25.8 | 154 ± 11.5 | 149 ± 13.7 |
| Positive Control ⁵ | 354 ± 7.4 | 228 ± 53.1 | | | |

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Test Compound: Rhodamine 6G
CAS Number: 989-38-8

Date Report Requested: 09/11/2018
Time Report Requested: 12:13:17

Strain: TA1537

| Dose (ug/Plate) | With 10% Hamster S9 |
|-------------------------------|---------------------|
| Vehicle Control ¹ | 11 ± 2.5 |
| 0.3 | |
| 1.0 | |
| 3.3 | 11 ± 0.9 |
| 10.0 | 14 ± 0.9 |
| 33.0 | 12 ± 3.8 |
| 100.0 | 10 ± 0.7 |
| 333.0 | 8 ± 1.5 |
| 1000.0 | |
| Trial Summary | Negative |
| Positive Control ⁴ | 185 ± 12.9 |
| Positive Control ⁵ | |

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Test Compound: Rhodamine 6G

CAS Number: 989-38-8

Date Report Requested: 09/11/2018

Time Report Requested: 12:13:17

Strain: TA98

| Dose (ug/Plate) | Without S9 | Without S9 | With 10% Rat S9 | With 10% Rat S9 | With 10% Hamster S9 |
|-------------------------------|------------|------------|-----------------|-----------------|---------------------|
| Vehicle Control ¹ | 13 ± 3.2 | 20 ± 2.3 | 20 ± 0.3 | 36 ± 2.6 | 18 ± 1.9 |
| 0.3 | 11 ± 0.9 | 12 ± 2.0 | | | |
| 1.0 | 14 ± 0.6 | 14 ± 2.7 | | | |
| 3.3 | 13 ± 0.6 | 13 ± 1.2 | | 34 ± 3.7 | |
| 10.0 | 16 ± 0.9 | 18 ± 2.3 | 19 ± 2.9 | 33 ± 2.7 | 21 ± 1.0 |
| 33.0 | 19 ± 3.8 | 14 ± 1.2 | 17 ± 0.3 | 27 ± 5.9 | 16 ± 2.7 |
| 100.0 | | | 25 ± 1.5 | 25 ± 2.5 | 20 ± 2.7 |
| 333.0 | | | 20 ± 1.8 | 26 ± 2.0 | 18 ± 0.9 |
| 1000.0 | | | Toxic | | Toxic |
| Trial Summary | Negative | Negative | Negative | Negative | Negative |
| Positive Control ² | | | 1662 ± 129.3 | 1075 ± 122.4 | 1352 ± 23.4 |
| Positive Control ⁶ | 366 ± 5.8 | 157 ± 14.3 | | | |

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Time Report Requested: 12:13:17

Strain: TA98

| Dose (ug/Plate) | With 10% Hamster S9 |
|-------------------------------|---------------------|
| Vehicle Control ¹ | 13 ± 1.2 |
| 0.3 | |
| 1.0 | |
| 3.3 | 13 ± 1.0 |
| 10.0 | 14 ± 2.1 |
| 33.0 | 10 ± 0.3 |
| 100.0 | 8 ± 0.6 |
| 333.0 | 9 ± 0.3 |
| 1000.0 | |
| Trial Summary | Negative |
| Positive Control ² | 1251 ± 32.6 |
| 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: 95% Ethanol
- 2: 1.0 ug/Plate 2-Aminoanthracene
- 3: 3.3 ug/Plate Sodium Azide
- 4: 2.0 ug/Plate 2-Aminoanthracene
- 5: 33.0 ug/Plate 9-Aminoacridine
- 6: 3.3 ug/Plate 4-Nitro-O-Phenylenediamine

** END OF REPORT **