

Experiment Number: 358382

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

G06: Ames Summary Data

Test Compound: **D & C red no. 9**

CAS Number: 5160-02-1

Date Report Requested: **09/13/2018**

Time Report Requested: **20:10:58**

NTP Study Number:

358382

Study Result:

Weakly Positive

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Strain: TA100

| Dose (ug/Plate) | Without S9 | With 10% Rat S9 | With 10% Hamster S9 |
|-------------------------------|------------------------|-------------------------|----------------------------|
| Vehicle Control ¹ | 97 ± 2.4 | 101 ± 2.3 | 100 ± 1.8 |
| 100.0 | 104 ± 2.1 ^P | 102 ± 3.5 ^P | 97 ± 1.8 ^P |
| 333.0 | 106 ± 3.3 ^P | 94 ± 3.7 ^P | 110 ± 8.4 ^P |
| 1000.0 | 99 ± 3.2 ^P | 114 ± 5.8 ^P | 108 ± 8.7 ^P |
| 3333.0 | 95 ± 3.0 ^P | 115 ± 7.9 ^P | 115 ± 5.4 ^P |
| 10000.0 | 92 ± 4.9 ^P | 121 ± 11.5 ^P | 104 ± 10.2 ^P |
| Trial Summary | Negative | Negative | Negative |
| Positive Control ² | | 1260 ± 14.2 | 1649 ± 10.3 |
| Positive Control ³ | 558 ± 19.2 | | |

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Strain: TA1535

| Dose (ug/Plate) | Without S9 | With 10% Rat S9 | With 10% Hamster S9 |
|-------------------------------|-----------------------|-----------------------|-----------------------|
| Vehicle Control ¹ | 21 ± 2.1 | 9 ± 0.3 | 6 ± 1.0 |
| 100.0 | 18 ± 3.2 ^P | 9 ± 1.5 ^P | 9 ± 2.3 ^P |
| 333.0 | 21 ± 3.9 ^P | 13 ± 2.9 ^P | 11 ± 1.3 ^P |
| 1000.0 | 28 ± 2.2 ^P | 9 ± 3.2 ^P | 11 ± 0.9 ^P |
| 3333.0 | 22 ± 2.1 ^P | 7 ± 0.9 ^P | 9 ± 2.8 ^P |
| 10000.0 | 19 ± 2.0 ^P | 8 ± 2.5 ^P | 9 ± 2.0 ^P |
| Trial Summary | Negative | Negative | Negative |
| Positive Control ³ | 485 ± 17.1 | | |
| Positive Control ⁴ | | 281 ± 3.8 | 407 ± 16.7 |

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Strain: TA1537

| Dose (ug/Plate) | Without S9 |
|-------------------------------|----------------------|
| Vehicle Control ¹ | 8 ± 1.2 |
| 100.0 | 5 ± 0.3 ^p |
| 333.0 | 7 ± 0.6 ^p |
| 1000.0 | 6 ± 1.2 ^p |
| 3333.0 | 6 ± 0.9 ^p |
| 10000.0 | 6 ± 1.5 ^p |
| Trial Summary | Negative |
| Positive Control ⁵ | 537 ± 34.2 |

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G06: Ames Summary Data

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Test Type: **Genetic Toxicology - Bacterial Mutagenicity**Test Compound: **D & C red no. 9**

Time Report Requested: 20:10:58

CAS Number: 5160-02-1

Strain: TA97

| Dose (ug/Plate) | Without S9 | Without S9 | Without S9 | With 10% Rat S9 | With 10% Hamster S9 |
|-------------------------------|------------------------|-------------------------|-------------------------|-------------------------|----------------------------|
| Vehicle Control ¹ | 99 ± 3.1 | 89 ± 2.1 | 118 ± 1.9 | 153 ± 4.4 | 139 ± 7.0 |
| 100.0 | 126 ± 2.3 ^P | 100 ± 11.7 ^P | | 145 ± 12.1 ^P | 153 ± 6.0 ^P |
| 333.0 | 130 ± 4.2 ^P | 121 ± 8.6 ^P | 149 ± 5.4 ^P | 152 ± 3.8 ^P | 148 ± 0.9 ^P |
| 1000.0 | 138 ± 4.2 ^P | 132 ± 14.0 ^P | 142 ± 17.9 ^P | 162 ± 5.5 ^P | 149 ± 9.5 ^P |
| 3333.0 | 143 ± 8.1 ^P | 136 ± 8.8 ^P | 136 ± 3.5 ^P | 157 ± 10.0 ^P | 162 ± 2.1 ^P |
| 6666.0 | | | 155 ± 11.7 ^P | | |
| 10000.0 | 126 ± 5.6 ^P | 126 ± 10.0 ^P | 148 ± 10.4 ^P | 153 ± 8.6 ^P | 149 ± 9.5 ^P |
| Trial Summary | Weakly Positive | Weakly Positive | Equivocal | Negative | Negative |
| Positive Control ⁴ | | | | 1070 ± 28.0 | 1346 ± 93.5 |
| Positive Control ⁵ | 1931 ± 109.1 | 1353 ± 56.7 | 2102 ± 134.1 | | |

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G06: Ames Summary Data

Test Compound: D & C red no. 9

CAS Number: 5160-02-1

Date Report Requested: 09/13/2018

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Strain: TA98

| Dose (ug/Plate) | Without S9 | Without S9 | Without S9 | With 10% Rat S9 | With 5% Hamster S9 |
|-------------------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| Vehicle Control ¹ | 12 ± 1.5 | 16 ± 2.2 | 21 ± 0.6 | 27 ± 2.7 | 19 ± 0.9 |
| 100.0 | 14 ± 0.7 ^P | 17 ± 1.7 ^P | | 31 ± 1.7 ^P | 30 ± 4.7 ^P |
| 333.0 | 12 ± 3.0 ^P | 18 ± 1.7 ^P | 23 ± 2.0 ^P | 34 ± 1.2 ^P | 26 ± 2.1 ^P |
| 1000.0 | 21 ± 1.3 ^P | 19 ± 1.5 ^P | 22 ± 1.5 ^P | 33 ± 1.2 ^P | 25 ± 2.0 ^P |
| 3333.0 | 26 ± 0.6 ^P | 21 ± 2.1 ^P | 23 ± 2.3 ^P | 32 ± 2.6 ^P | 27 ± 7.4 ^P |
| 6666.0 | | | 32 ± 0.6 ^P | | |
| 10000.0 | 28 ± 4.7 ^P | 29 ± 2.2 ^P | 40 ± 2.4 ^P | 30 ± 0.7 ^P | 23 ± 1.9 ^P |
| Trial Summary | Positive | Equivocal | Equivocal | Negative | Negative |
| Positive Control ² | | | | 843 ± 21.7 | 1345 ± 69.6 |
| Positive Control ⁶ | 1278 ± 52.0 | 837 ± 418.7 | 1824 ± 19.1 | | |

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Strain: TA98

| Dose (ug/Plate) | With 10% Hamster S9 | With 10% Hamster S9 | With 30% Hamster S9 |
|-------------------------------|----------------------------|----------------------------|----------------------------|
| Vehicle Control ¹ | 24 ± 2.0 | 28 ± 1.8 | 20 ± 5.4 |
| 100.0 | 33 ± 4.3 ^P | 28 ± 5.7 ^P | 21 ± 6.1 ^P |
| 333.0 | 32 ± 6.7 ^P | 30 ± 2.4 ^P | 22 ± 2.0 ^P |
| 1000.0 | 36 ± 3.5 ^P | 23 ± 3.3 ^P | 32 ± 1.5 ^P |
| 3333.0 | 47 ± 3.7 ^P | 27 ± 2.9 ^P | 25 ± 5.2 ^P |
| 6666.0 | | | |
| 10000.0 | 42 ± 3.5 ^P | 16 ± 2.3 ^P | 34 ± 1.2 ^P |
| Trial Summary | Equivocal | Negative | Negative |
| Positive Control ² | 1029 ± 20.0 | 1476 ± 46.4 | 325 ± 8.7 |
| 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: Dimethyl Sulfoxide
- 2: 1.0 ug/Plate 2-Aminoanthracene
- 3: 1.0 ug/Plate Sodium Azide
- 4: 2.5 ug/Plate 2-Aminoanthracene
- 5: 50.0 ug/Plate 9-Aminoacridine
- 6: 5.0 ug/Plate 4-Nitro-O-Phenylenediamine
- p: Precipitate

**** END OF REPORT ****