

Experiment Number: 905758

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: Bismark brown Y

CAS Number: 10114-58-6

Date Report Requested: 09/16/2018

Time Report Requested: 23:43:23

NTP Study Number: 905758

Study Result: Positive

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Mutagenicity**G06: Ames Summary Data**Test Compound: Bismark brown Y
CAS Number: 10114-58-6

Date Report Requested: 09/16/2018

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Strain: TA100

| Dose (ug/Plate) | Without S9 | Without S9 | With 10% Rat S9 | With 30% Rat S9 | With 10% Hamster S9 |
|-------------------------------|------------|------------|-----------------|-----------------|---------------------|
| Vehicle Control ¹ | 98 ± 8.4 | 139 ± 8.9 | 123 ± 10.6 | 147 ± 3.0 | 106 ± 9.5 |
| 1.0 | | 156 ± 17.6 | | | |
| 3.0 | | 173 ± 13.3 | | | |
| 10.0 | 119 ± 8.7 | 198 ± 10.0 | 125 ± 11.3 | 148 ± 9.7 | 141 ± 13.9 |
| 33.0 | 130 ± 16.6 | 192 ± 17.7 | 159 ± 12.1 | 307 ± 11.0 | 184 ± 13.6 |
| 100.0 | 157 ± 7.3 | 185 ± 3.7 | 255 ± 26.7 | 343 ± 37.0 | 422 ± 24.5 |
| 166.0 | | | | 417 ± 15.2 | |
| 333.0 | 120 ± 5.6 | | 397 ± 24.0 | 441 ± 21.8 | 984 ± 20.2 |
| 1000.0 | 59 ± 6.8 | | 371 ± 38.6 | | 775 ± 118.2 |
| Trial Summary | Equivocal | Equivocal | Positive | Positive | Positive |
| Positive Control ² | | | | | 431 ± 5.8 |
| Positive Control ³ | | | 311 ± 18.0 | 341 ± 20.3 | |
| Positive Control ⁴ | 646 ± 12.6 | 787 ± 26.9 | | | |

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Strain: TA100

| Dose (ug/Plate) | With 30% Hamster S9 |
|-------------------------------|----------------------------|
| Vehicle Control ¹ | 143 ± 4.3 |
| 1.0 | |
| 3.0 | 191 ± 6.9 |
| 10.0 | 254 ± 9.3 |
| 33.0 | 375 ± 15.7 |
| 100.0 | 556 ± 13.1 |
| 166.0 | |
| 333.0 | 705 ± 4.8 |
| 1000.0 | |
| Trial Summary | Positive |
| Positive Control ² | 584 ± 32.2 |
| Positive Control ³ | |
| Positive Control ⁴ | |

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Time Report Requested: 23:43:23

Strain: TA98

| Dose (ug/Plate) | Without S9 | Without S9 | With 30% Rat S9 | With 30% Rat S9 | With 30% Hamster S9 |
|-------------------------------|------------|------------|-----------------|-----------------|---------------------|
| Vehicle Control ¹ | 13 ± 2.1 | 17 ± 0.9 | 14 ± 1.8 | 19 ± 2.2 | 15 ± 0.9 |
| 1.0 | | 22 ± 2.4 | | | |
| 3.0 | | 36 ± 13.0 | | 18 ± 1.7 | |
| 10.0 | 69 ± 9.3 | 84 ± 4.4 | 47 ± 8.2 | 79 ± 8.9 | 64 ± 3.6 |
| 16.0 | | | | 137 ± 23.5 | |
| 33.0 | 131 ± 13.1 | 122 ± 7.5 | 212 ± 6.2 | 366 ± 16.3 | 328 ± 29.7 |
| 100.0 | 250 ± 15.6 | 182 ± 19.6 | 690 ± 30.4 | 560 ± 30.4 | 668 ± 52.8 |
| 333.0 | 260 ± 8.4 | | 858 ± 22.2 | | 1124 ± 180.6 |
| 1000.0 | 122 ± 27.1 | | 575 ± 51.8 | | 693 ± 93.6 |
| Trial Summary | Positive | Positive | Positive | Positive | Positive |
| Positive Control ² | | | | | 289 ± 19.1 |
| Positive Control ⁵ | 346 ± 17.6 | 336 ± 6.7 | | | |
| Positive Control ³ | | | 188 ± 12.7 | 142 ± 13.8 | |

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Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: Bismark brown Y
CAS Number: 10114-58-6

Date Report Requested: 09/16/2018

Time Report Requested: 23:43:23

Strain: TA98

| Dose (ug/Plate) | With 30% Hamster S9 |
|-------------------------------|----------------------------|
| Vehicle Control ¹ | 26 ± 1.2 |
| 1.0 | |
| 3.0 | 33 ± 2.0 |
| 10.0 | 124 ± 12.7 |
| 16.0 | 210 ± 17.8 |
| 33.0 | 356 ± 17.1 |
| 100.0 | 630 ± 15.7 |
| 333.0 | |
| 1000.0 | |
| Trial Summary | Positive |
| Positive Control ² | 165 ± 15.7 |
| Positive Control ⁵ | |
| Positive Control ³ | |

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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: 1.0 ug/Plate 2-Aminoanthracene

3: 2.5 ug/Plate 2-Aminoanthracene

4: 5.0 ug/Plate Sodium Azide

5: 2.5 ug/Plate 4-Nitro-O-Phenylenediamine

**** END OF REPORT ****