

Experiment Number: A40147

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: Anthraquinone

CAS Number: 84-65-1

Date Report Requested: 09/16/2018

Time Report Requested: 21:41:39

NTP Study Number:

A40147

Study Result:

Positive

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Strain: TA100

| Dose (ug/Plate) | Without S9 | With 10% Rat S9 |
|-------------------------------|-------------------------|-------------------------|
| Vehicle Control ¹ | 154 ± 10.0 | 108 ± 7.5 |
| 30.0 | 136 ± 5.5 | 108 ± 7.5 |
| 100.0 | 141 ± 1.5 | 133 ± 6.2 |
| 300.0 | 143 ± 6.9 ^P | 133 ± 5.7 ^P |
| 1000.0 | 77 ± 4.3 ^P | 140 ± 6.2 ^P |
| 3000.0 | 154 ± 6.1 ^P | 182 ± 3.8 ^P |
| 10000.0 | 531 ± 33.0 ^P | 389 ± 23.1 ^P |
| Trial Summary | Positive | Positive |
| Positive Control ² | 535 ± 8.5 | |
| Positive Control ³ | | 530 ± 30.8 |

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Strain: TA98

| Dose (ug/Plate) | Without S9 | With 10% Rat S9 |
|-------------------------------|-------------------------|-------------------------|
| Vehicle Control ¹ | 13 ± 2.3 | 32 ± 2.3 |
| 30.0 | 21 ± 2.2 | 31 ± 4.4 |
| 100.0 | 36 ± 1.2 | 42 ± 4.7 |
| 300.0 | 45 ± 1.9 ^P | 41 ± 4.4 ^P |
| 1000.0 | 108 ± 7.2 ^P | 72 ± 9.8 ^P |
| 3000.0 | 279 ± 14.4 ^P | 174 ± 29.3 ^P |
| 10000.0 | 932 ± 72.1 ^P | 731 ± 16.0 ^P |
| Trial Summary | Positive | Positive |
| Positive Control ⁴ | | 491 ± 22.7 |
| Positive Control ⁵ | 95 ± 1.5 | |

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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: 0.5 ug/Plate Sodium Azide

3: 0.75 ug/Plate 2-Aminoanthracene

4: 0.4 ug/Plate 2-Aminoanthracene

5: 1.0 ug/Plate Other Positive Control

p: Precipitate

** END OF REPORT **