

Experiment Number: A54984

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: Anthraquinone

CAS Number: 84-65-1

Date Report Requested: 09/17/2018

Time Report Requested: 08:11:04

NTP Study Number:

A54984

Study Result:

Negative

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Strain: TA100

Dose (ug/Plate)	Without S9	With 10% Rat S9
Vehicle Control ¹	132 ± 0.9	136 ± 5.2
30.0	120 ± 6.1	122 ± 11.3
100.0	140 ± 15.3	147 ± 5.0
300.0	138 ± 4.6	133 ± 7.0
1000.0	138 ± 13.2 ^P	138 ± 7.8 ^P
3000.0	129 ± 5.2 ^P	140 ± 2.7 ^P
10000.0	143 ± 13.0 ^P	127 ± 7.5 ^P
Trial Summary	Negative	Negative
Positive Control ²	581 ± 38.5	
Positive Control ³		522 ± 25.5

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Strain: TA98

Dose (ug/Plate)	Without S9	With 10% Rat S9
Vehicle Control ¹	20 ± 0.9	24 ± 3.1
30.0	18 ± 1.5	33 ± 3.8
100.0	22 ± 4.1	27 ± 3.2
300.0	17 ± 0.7	29 ± 3.5
1000.0	18 ± 1.2 ^P	33 ± 2.6 ^P
3000.0	20 ± 0.9 ^P	29 ± 0.9 ^P
10000.0	17 ± 1.2 ^P	31 ± 1.7 ^P
Trial Summary	Negative	Negative
Positive Control ⁴		415 ± 1.2
Positive Control ⁵	105 ± 9.7	

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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 4-Nitro-O-Phenylenediamine
- p: Precipitate

** END OF REPORT **