

Experiment Number: A65343

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: **13:12:03**

**NTP Study Number:**

A65343

**Study Result:**

Negative

Experiment Number: A65343

Test Type: Genetic Toxicology - Bacterial Mutagenicity

**G06: Ames Summary Data**

Test Compound: Anthraquinone

CAS Number: 84-65-1

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**Strain: TA100**

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<b>Dose (ug/Plate)</b>	<b>Without S9</b>	<b>With 10% Rat S9</b>
Vehicle Control <sup>1</sup>	113 ± 7.9	144 ± 1.5
30.0	115 ± 12.4	127 ± 6.7
100.0	113 ± 11.7	133 ± 5.8
300.0	114 ± 2.3	124 ± 9.4
1000.0	108 ± 7.1 <sup>P</sup>	133 ± 3.8 <sup>P</sup>
3000.0	130 ± 2.9 <sup>P</sup>	127 ± 9.2 <sup>P</sup>
10000.0	120 ± 2.1 <sup>X</sup>	132 ± 5.2 <sup>X</sup>
Trial Summary	Negative	Negative
Positive Control <sup>2</sup>	564 ± 7.1	
Positive Control <sup>3</sup>		519 ± 33.1

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**Strain: TA98**

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<b>Dose (ug/Plate)</b>	<b>Without S9</b>	<b>With 10% Rat S9</b>
Vehicle Control <sup>1</sup>	16 ± 0.3	33 ± 2.4
30.0	13 ± 0.3	29 ± 1.2
100.0	15 ± 2.5	25 ± 1.0
300.0	18 ± 1.3	26 ± 1.5
1000.0	17 ± 1.7 <sup>p</sup>	30 ± 4.4 <sup>p</sup>
3000.0	17 ± 2.0 <sup>p</sup>	31 ± 2.3 <sup>p</sup>
10000.0	17 ± 2.3 <sup>x</sup>	31 ± 3.0 <sup>x</sup>
Trial Summary	Negative	Negative
Positive Control <sup>4</sup>		400 ± 29.5
Positive Control <sup>5</sup>	105 ± 3.7	

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#### **LEGEND**

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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

x: Slight Toxicity and Precipitate

**\*\* END OF REPORT \*\***