

Experiment Number: **A07496**

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

**G06: Ames Summary Data**

Test Compound: **Anthraquinone**

CAS Number: **84-65-1**

Date Report Requested: **09/15/2018**

Time Report Requested: **16:05:20**

**NTP Study Number:**

A07496

**Study Result:**

Negative

Experiment Number: A07496  
Test Type: Genetic Toxicology - Bacterial  
Mutagenicity

G06: Ames Summary Data  
Test Compound: Anthraquinone  
CAS Number: 84-65-1

Date Report Requested: 09/15/2018  
Time Report Requested: 16:05:20

Strain: TA100

Dose (ug/Plate)	Without S9	With 10% Rat S9	With 30% Rat S9
Vehicle Control <sup>1</sup>	97 ± 9.2	139 ± 4.8	114 ± 6.1
30.0	84 ± 2.3	123 ± 11.0	127 ± 3.1
100.0	86 ± 4.6	97 ± 2.3	132 ± 2.3
300.0	82 ± 4.6	108 ± 0.9	134 ± 2.6
1000.0	88 ± 6.3 <sup>P</sup>	99 ± 6.4 <sup>P</sup>	126 ± 1.5 <sup>P</sup>
3000.0	70 ± 7.8 <sup>P</sup>	110 ± 1.8 <sup>P</sup>	125 ± 8.8 <sup>P</sup>
10000.0	78 ± 11.9 <sup>P</sup>	124 ± 4.4 <sup>P</sup>	129 ± 1.2 <sup>P</sup>
Trial Summary	Negative	Negative	Negative
Positive Control <sup>2</sup>	512 ± 13.0		
Positive Control <sup>3</sup>		514 ± 6.7	
Positive Control <sup>4</sup>			414 ± 10.6

Experiment Number: A07496  
Test Type: Genetic Toxicology - Bacterial  
Mutagenicity

G06: Ames Summary Data  
Test Compound: Anthraquinone  
CAS Number: 84-65-1

Date Report Requested: 09/15/2018  
Time Report Requested: 16:05:20

Strain: TA1537

Dose (ug/Plate)	Without S9	With 10% Rat S9	With 10% Rat S9
Vehicle Control <sup>5</sup>		10 ± 0.6	
Vehicle Control <sup>1</sup>	7 ± 2.2		7 ± 2.1
30.0	5 ± 0.6	7 ± 0.7	5 ± 0.6
100.0	4 ± 0.6	10 ± 1.7 <sup>P</sup>	7 ± 1.9
300.0	6 ± 1.0	6 ± 1.8 <sup>P</sup>	5 ± 1.2
1000.0	7 ± 2.2 <sup>P</sup>	10 ± 0.9 <sup>P</sup>	6 ± 2.2 <sup>P</sup>
3000.0	6 ± 1.5 <sup>P</sup>	8 ± 1.2 <sup>P</sup>	8 ± 2.0 <sup>P</sup>
10000.0	5 ± 2.0 <sup>P</sup>	11 ± 0.0 <sup>P</sup>	7 ± 1.5 <sup>P</sup>
Trial Summary	Negative	Negative	Negative
Positive Control <sup>4</sup>		230 ± 24.7	198 ± 10.3
Positive Control <sup>6</sup>	249 ± 36.4		

Experiment Number: A07496

Test Type: Genetic Toxicology - Bacterial  
Mutagenicity

**G06: Ames Summary Data**

Test Compound: Anthraquinone

CAS Number: 84-65-1

Date Report Requested: 09/15/2018

Time Report Requested: 16:05:20

**Strain: TA98**

Dose (ug/Plate)	Without S9	With 10% Rat S9	With 30% Rat S9
Vehicle Control <sup>1</sup>	13 ± 1.7	26 ± 3.2	34 ± 3.5
30.0	10 ± 1.9	22 ± 3.2	24 ± 2.6
100.0	11 ± 0.9	28 ± 0.0	25 ± 2.7
300.0	17 ± 1.2	24 ± 3.0	24 ± 0.7
1000.0	14 ± 0.9 <sup>P</sup>	28 ± 2.6 <sup>P</sup>	25 ± 2.5 <sup>P</sup>
3000.0	16 ± 1.2 <sup>P</sup>	22 ± 2.3 <sup>P</sup>	28 ± 0.3 <sup>P</sup>
10000.0	14 ± 2.4 <sup>P</sup>	32 ± 2.0 <sup>P</sup>	35 ± 4.0 <sup>P</sup>
Trial Summary	Negative	Negative	Negative
Positive Control <sup>7</sup>		295 ± 38.7	
Positive Control <sup>8</sup>			190 ± 5.0
Positive Control <sup>9</sup>	56 ± 19.0		

Experiment Number: A07496  
Test Type: Genetic Toxicology - Bacterial  
Mutagenicity

G06: Ames Summary Data  
Test Compound: Anthraquinone  
CAS Number: 84-65-1

Date Report Requested: 09/15/2018  
Time Report Requested: 16:05:20

#### 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: Solvent

2: 0.5 ug/Plate Sodium Azide

3: 0.75 ug/Plate 2-Aminoanthracene

4: 2.0 ug/Plate 2-Aminoanthracene

5: Vehicle Control: Dimethyl Sulfoxide

6: 4.0 ug/Plate 9-Aminoacridine

7: 0.4 ug/Plate 2-Aminoanthracene

8: 1.0 ug/Plate 2-Aminoanthracene

9: 1.0 ug/Plate 4-Nitro-O-Phenylenediamine

p: Precipitate

\*\* END OF REPORT \*\*