

Experiment Number: A67248

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

G06: Ames Summary Data

Test Compound: **Ethidium bromide**

CAS Number: 1239-45-8

Date Report Requested: 09/17/2018

Time Report Requested: 13:56:49

NTP Study Number:

A67248

Study Result:

Positive

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Mutagenicity**G06: Ames Summary Data**

Test Compound: Ethidium bromide

CAS Number: 1239-45-8

Date Report Requested: 09/17/2018

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Strain: TA100

| Dose (ug/Plate) | Without S9 | With 30% Rat S9 | With 30% Rat S9 | With 30% Hamster S9 |
|-------------------------------|----------------------|-----------------------|-----------------|------------------------|
| Vehicle Control ¹ | 127 ± 3.6 | 111 ± 6.4 | 113 ± 1.9 | 106 ± 2.7 |
| 3.0 | 120 ± 11.6 | 121 ± 4.5 | 133 ± 11.6 | 131 ± 7.9 |
| 10.0 | 137 ± 8.8 | 120 ± 8.4 | 175 ± 7.2 | 139 ± 1.2 |
| 33.0 | 130 ± 3.9 | 157 ± 7.9 | 242 ± 8.4 | 122 ± 5.0 |
| 66.0 | | | 222 ± 6.6 | |
| 100.0 | 141 ± 2.5 | 201 ± 1.5 | 163 ± 11.5 | 132 ± 9.5 |
| 333.0 | 8 ± 1.2 ^x | 91 ± 3.8 ^s | | 33 ± 12.3 ^s |
| Trial Summary | Negative | Weakly Positive | Weakly Positive | Negative |
| Positive Control ² | | | | 544 ± 17.6 |
| Positive Control ³ | 845 ± 23.7 | | | |
| Positive Control ⁴ | | 483 ± 10.7 | 966 ± 60.0 | |

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Test Compound: Ethidium bromide

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Time Report Requested: 13:56:49

Strain: TA98

| Dose (ug/Plate) | Without S9 | With 30% Rat S9 | With 30% Rat S9 | With 30% Hamster S9 | With 30% Hamster S9 |
|-------------------------------|----------------------|-----------------------|-----------------|-----------------------|---------------------|
| Vehicle Control ¹ | 21 ± 1.7 | 32 ± 2.5 | 21 ± 1.5 | 30 ± 2.5 | 20 ± 1.3 |
| 0.03 | | | 30 ± 3.8 | | 49 ± 2.2 |
| 0.1 | | | 40 ± 6.7 | | 103 ± 5.5 |
| 0.3 | | | 111 ± 2.3 | | 326 ± 7.3 |
| 1.0 | | | 294 ± 18.0 | | 575 ± 17.3 |
| 3.0 | 26 ± 2.7 | 759 ± 55.8 | 1232 ± 77.8 | 656 ± 271.4 | 1142 ± 28.3 |
| 10.0 | 23 ± 3.0 | 1231 ± 165.0 | | 729 ± 271.4 | |
| 33.0 | 14 ± 2.3 | 1420 ± 70.7 | | 1307 ± 22.5 | |
| 100.0 | 14 ± 0.7 | 1320 ± 55.9 | | 819 ± 81.5 | |
| 333.0 | 7 ± 0.7 ^x | 12 ± 5.6 ^x | | 12 ± 4.4 ^x | |
| Trial Summary | Negative | Positive | Positive | Positive | Positive |
| Positive Control ² | | | | 558 ± 16.2 | 667 ± 19.1 |
| Positive Control ⁵ | 410 ± 14.6 | | | | |
| Positive Control ⁴ | | 644 ± 51.2 | 645 ± 15.3 | | |

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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: Dimethyl Sulfoxide

2: 2.0 ug/Plate 2-Aminoanthracene

3: 5.0 ug/Plate Sodium Azide

4: 5.0 ug/Plate 2-Aminoanthracene

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

s: Slight Toxicity

x: Slight Toxicity and Precipitate

**** END OF REPORT ****