

Experiment Number: 655233

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

G06: Ames Summary Data

Test Compound: **N,N-Dimethyl-p-phenylenediamine**

CAS Number: **99-98-9**

Date Report Requested: **09/11/2018**

Time Report Requested: **06:07:33**

NTP Study Number:

655233

Study Result:

Positive

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Mutagenicity

G06: Ames Summary Data

Test Compound: N,N-Dimethyl-p-phenylenediamine
CAS Number: 99-98-9

Date Report Requested: 09/11/2018

Time Report Requested: 06:07:33

Strain: TA100

| Dose (ug/Plate) | Without S9 | With 30% Rat S9 | With 30% Hamster S9 |
|-------------------------------|------------|-----------------|---------------------|
| Vehicle Control ¹ | 82 ± 1.3 | 83 ± 3.5 | 81 ± 1.9 |
| 10.0 | 80 ± 3.5 | | |
| 33.0 | 82 ± 0.9 | | |
| 100.0 | 77 ± 2.2 | 88 ± 2.3 | 82 ± 6.2 |
| 333.0 | 106 ± 9.4 | 96 ± 5.5 | 91 ± 3.0 |
| 667.0 | 140 ± 6.8 | | |
| 1000.0 | | 96 ± 2.7 | 103 ± 6.5 |
| 3333.0 | | 113 ± 14.8 | 99 ± 7.2 |
| 6666.0 | | 0 ± 0.0 | 0 ± 0.0 |
| Trial Summary | Equivocal | Negative | Negative |
| Positive Control ² | 220 ± 24.0 | | |
| Positive Control ³ | | | 1011 ± 137.6 |
| Positive Control ⁴ | | 469 ± 3.7 | |

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Time Report Requested: 06:07:33

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 | 13 ± 0.9 | 17 ± 2.8 | 21 ± 4.8 | 28 ± 0.3 | 28 ± 5.5 |
| 3.3 | | | 21 ± 3.2 | | 37 ± 7.2 |
| 10.0 | 11 ± 0.9 | | 24 ± 2.4 | | 52 ± 4.5 |
| 33.0 | 17 ± 3.4 | | 34 ± 6.4 | | 49 ± 7.2 |
| 100.0 | 16 ± 2.1 | 54 ± 4.3 | 57 ± 9.6 | 106 ± 5.4 | 98 ± 5.9 |
| 333.0 | 18 ± 2.1 | 347 ± 6.8 | 355 ± 29.1 | 415 ± 17.2 | 511 ± 41.3 |
| 667.0 | 14 ± 0.9 | | | | |
| 1000.0 | | 49 ± 1.2 | | 162 ± 14.9 | |
| 3333.0 | | 23 ± 2.0 | | 15 ± 4.3 | |
| 6666.0 | | 0 ± 0.0 | | 0 ± 0.0 | |
| Trial Summary | Negative | Positive | Positive | Positive | Positive |
| Positive Control ⁵ | | | | 567 ± 12.5 | 523 ± 30.4 |
| Positive Control ³ | | 153 ± 10.4 | 99 ± 10.0 | | |
| Positive Control ⁶ | 162 ± 9.2 | | | | |

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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: 1.0 ug/Plate 2-Aminoanthracene

4: 2.0 ug/Plate 2-Aminoanthracene

5: 0.4 ug/Plate 2-Aminoanthracene

6: 1.0 ug/Plate 4-Nitro-O-Phenylenediamine

**** END OF REPORT ****