

Experiment Number: A12078

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

G06: Ames Summary Data

Test Compound: **d-Neomenthol**

CAS Number: **2216-52-6**

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

Time Report Requested: **20:54:37**

NTP Study Number:

A12078

Study Result:

Negative

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Strain: TA100

| Dose (ug/Plate) | Without S9 | Without S9 | With 10% Rat S9 | With 10% Rat S9 |
|-------------------------------|-------------------|-------------------|------------------------|------------------------|
| Vehicle Control ¹ | 125 ± 9.3 | 129 ± 4.7 | 159 ± 4.2 | 117 ± 2.9 |
| 500.0 | 108 ± 8.1 | 146 ± 2.3 | 134 ± 6.8 | 114 ± 5.8 |
| 1000.0 | 121 ± 10.7 | 123 ± 8.6 | 112 ± 4.7 | 86 ± 1.9 |
| 2500.0 | 119 ± 10.5 | 101 ± 12.5 | 100 ± 2.3 | 81 ± 6.1 |
| 3500.0 | 63 ± 5.0 | 89 ± 7.8 | 82 ± 5.0 | 81 ± 5.5 |
| 5000.0 | 12 ± 2.9 | 39 ± 3.3 | 17 ± 1.8 | 23 ± 5.5 |
| Trial Summary | Negative | Negative | Negative | Negative |
| Positive Control ² | 537 ± 28.7 | 445 ± 39.1 | | |
| Positive Control ³ | | | 475 ± 16.7 | 593 ± 28.5 |

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Strain: TA98

| Dose (ug/Plate) | Without S9 | Without S9 | With 10% Rat S9 | With 10% Rat S9 |
|-------------------------------|------------|------------|-----------------|-----------------|
| Vehicle Control ¹ | 27 ± 3.1 | 27 ± 1.5 | 23 ± 2.2 | 33 ± 3.0 |
| 500.0 | 21 ± 1.2 | 27 ± 2.3 | 30 ± 1.2 | 27 ± 1.8 |
| 1000.0 | 22 ± 1.8 | 28 ± 3.2 | 20 ± 2.0 | 28 ± 1.8 |
| 2500.0 | 21 ± 0.6 | 22 ± 1.7 | 19 ± 2.4 | 24 ± 2.4 |
| 3500.0 | 20 ± 0.3 | 19 ± 0.6 | 24 ± 2.7 | 28 ± 1.5 |
| 5000.0 | 10 ± 0.6 | 10 ± 0.6 | 6 ± 1.2 | 4 ± 1.5 |
| Trial Summary | Negative | Negative | Negative | Negative |
| Positive Control ³ | | | 355 ± 22.9 | 631 ± 31.0 |
| Positive Control ⁴ | 365 ± 16.6 | 402 ± 47.2 | | |

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Strain: E. coli WP2 uvrA pKM101

| Dose (ug/Plate) | Without S9 | Without S9 | With 10% Rat S9 | With 10% Rat S9 |
|-------------------------------|------------|------------|-----------------|-----------------|
| Vehicle Control ¹ | 187 ± 6.9 | 226 ± 2.5 | 213 ± 7.9 | 222 ± 2.0 |
| 500.0 | 222 ± 8.5 | 203 ± 3.6 | 199 ± 11.5 | 195 ± 9.6 |
| 1000.0 | 195 ± 9.3 | 197 ± 5.3 | 207 ± 11.7 | 186 ± 6.7 |
| 2500.0 | 144 ± 7.2 | 183 ± 7.4 | 174 ± 12.2 | 199 ± 8.1 |
| 3500.0 | 70 ± 13.5 | 159 ± 10.4 | 103 ± 9.8 | 150 ± 13.1 |
| 5000.0 | 11 ± 4.9 | 66 ± 16.9 | 19 ± 3.4 | 50 ± 8.1 |
| Trial Summary | Negative | Negative | Negative | Negative |
| Positive Control ⁵ | | | 553 ± 4.0 | 595 ± 18.7 |
| Positive Control ⁶ | 635 ± 7.2 | 558 ± 31.2 | | |

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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: 1.0 ug/Plate Sodium Azide

3: 2.5 ug/Plate 2-Aminoanthracene

4: 5.0 ug/Plate 2-Nitrofluorene

5: 20.0 ug/Plate 2-Aminoanthracene

6: 4000.0 ug/Plate Methyl Methane Sulfonate

** END OF REPORT **