

Experiment Number: A10205

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: Cyclohexene oxide

CAS Number: 286-20-4

Date Report Requested: 09/15/2018

Time Report Requested: 20:24:09

NTP Study Number:

A10205

Study Result:

Positive

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Strain: TA100

| Dose (ug/Plate) | Without S9 | Without S9 | With 30% Rat S9 | With 30% Rat S9 | With 30% Hamster S9 |
|-------------------------------|-------------------------|------------|-----------------|-----------------|---------------------|
| Vehicle Control ¹ | 116 ± 4.6 | 88 ± 1.9 | 130 ± 9.6 | 97 ± 3.3 | 132 ± 2.2 |
| 333.0 | | 134 ± 7.3 | | 107 ± 4.7 | |
| 666.0 | 176 ± 0.9 | 156 ± 10.0 | 146 ± 9.2 | 134 ± 2.8 | 148 ± 8.3 |
| 1000.0 | 198 ± 7.1 | 185 ± 4.7 | 184 ± 9.7 | 152 ± 7.5 | 162 ± 5.0 |
| 1666.0 | 214 ± 9.7 | 229 ± 21.1 | 216 ± 4.0 | 209 ± 3.0 | 187 ± 10.2 |
| 3333.0 | 234 ± 11.0 ^s | 244 ± 22.1 | 314 ± 4.3 | 314 ± 19.9 | 251 ± 10.4 |
| 6666.0 | Toxic | | Toxic | | Toxic |
| Trial Summary | Positive | Positive | Positive | Positive | Positive |
| Positive Control ² | | | | | 508 ± 8.4 |
| Positive Control ³ | 905 ± 20.3 | 837 ± 19.3 | | | |
| Positive Control ⁴ | | | 394 ± 38.0 | 673 ± 41.4 | |

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Strain: TA100

| Dose (ug/Plate) | With 30% Hamster S9 |
|-------------------------------|---------------------|
| Vehicle Control ¹ | 104 ± 1.5 |
| 333.0 | 114 ± 4.7 |
| 666.0 | 115 ± 4.4 |
| 1000.0 | 143 ± 5.0 |
| 1666.0 | 184 ± 10.0 |
| 3333.0 | 288 ± 35.8 |
| 6666.0 | |
| Trial Summary | Positive |
| Positive Control ² | 548 ± 10.8 |
| Positive Control ³ | |
| Positive Control ⁴ | |

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Mutagenicity**G06: Ames Summary Data**

Test Compound: Cyclohexene oxide

CAS Number: 286-20-4

Date Report Requested: 09/15/2018

Time Report Requested: 20:24:09

Strain: TA98

| Dose (ug/Plate) | Without S9 | With 30% Rat S9 | With 30% Hamster S9 |
|-------------------------------|-----------------------|-----------------|---------------------|
| Vehicle Control ¹ | 19 ± 1.0 | 25 ± 1.2 | 27 ± 3.4 |
| 0.0 | | | 0 ± 0.0 |
| 666.0 | 19 ± 1.0 | 28 ± 1.0 | 24 ± 3.0 |
| 1000.0 | 19 ± 1.5 | 28 ± 0.3 | 22 ± 4.2 |
| 1666.0 | 24 ± 4.4 | 20 ± 0.9 | 82 ± 57.9 |
| 3333.0 | 15 ± 1.0 ^s | 25 ± 0.0 | 18 ± 1.2 |
| 6666.0 | Toxic | Toxic | Toxic |
| Trial Summary | Negative | Negative | Negative |
| Positive Control ² | | | 661 ± 31.9 |
| Positive Control ⁵ | 394 ± 12.7 | | |
| Positive Control ⁴ | | 495 ± 11.3 | |

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Mutagenicity**

G06: Ames Summary Data

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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

**** END OF REPORT ****