

Experiment Number: 380647

Test Type: Genetic Toxicology - Bacterial  
Mutagenicity

**G06: Ames Summary Data**

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 09/14/2018

Time Report Requested: 03:54:29

**NTP Study Number:**

380647

**Study Result:**

Positive

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## Strain: TA100

| Dose (ug/Plate)               | Without S9           | Without S9  | With 30% Rat S9 | With 30% Hamster S9 | With 30% Hamster S9 |
|-------------------------------|----------------------|-------------|-----------------|---------------------|---------------------|
| Vehicle Control <sup>1</sup>  | 159 ± 3.5            | 161 ± 11.1  | 170 ± 9.0       | 151 ± 4.7           | 160 ± 10.2          |
| 10.0                          |                      | 149 ± 11.8  |                 |                     |                     |
| 33.0                          |                      | 164 ± 13.5  |                 |                     |                     |
| 100.0                         | 152 ± 7.0            | 150 ± 10.4  | 154 ± 10.1      | 156 ± 8.1           | 172 ± 11.5          |
| 333.0                         | 161 ± 12.7           | 154 ± 5.4   | 154 ± 3.5       | 233 ± 15.6          | 225 ± 17.5          |
| 1000.0                        | 154 ± 5.8            | 188 ± 4.2   | 157 ± 5.8       | 335 ± 11.9          | 364 ± 21.4          |
| 1666.0                        |                      |             |                 |                     | 414 ± 32.8          |
| 3333.0                        | 0 ± 0.0 <sup>s</sup> |             | 171 ± 5.5       | 533 ± 14.9          | 502 ± 32.4          |
| 6666.0                        | Toxic                |             | 173 ± 8.1       | 477 ± 39.8          |                     |
| Trial Summary                 | Negative             | Negative    | Negative        | Positive            | Positive            |
| Positive Control <sup>2</sup> |                      |             |                 | 812 ± 50.9          | 845 ± 18.8          |
| Positive Control <sup>3</sup> |                      |             | 529 ± 7.9       |                     |                     |
| Positive Control <sup>4</sup> | 503 ± 5.2            | 1132 ± 62.5 |                 |                     |                     |

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| Strain: TA98                  |                       |            |                 |                     |
|-------------------------------|-----------------------|------------|-----------------|---------------------|
| Dose (ug/Plate)               | Without S9            | Without S9 | With 30% Rat S9 | With 30% Hamster S9 |
| Vehicle Control <sup>1</sup>  | 28 ± 2.2              | 32 ± 6.1   | 43 ± 3.5        | 35 ± 2.7            |
| 10.0                          |                       | 32 ± 4.7   |                 |                     |
| 33.0                          |                       | 41 ± 5.5   |                 |                     |
| 100.0                         | 30 ± 3.5              | 32 ± 0.3   | 46 ± 4.5        | 36 ± 3.5            |
| 333.0                         | 35 ± 2.9              | 29 ± 0.6   | 44 ± 6.1        | 34 ± 2.9            |
| 1000.0                        | 27 ± 3.3              | 44 ± 4.7   | 50 ± 5.8        | 30 ± 1.8            |
| 3333.0                        | 23 ± 3.4 <sup>s</sup> |            | 31 ± 3.8        | 39 ± 3.8            |
| 6666.0                        | Toxic                 |            | 40 ± 1.5        | 29 ± 3.5            |
| Trial Summary                 | Negative              | Negative   | Negative        | Negative            |
| Positive Control <sup>2</sup> |                       |            | 168 ± 3.5       | 770 ± 11.3          |
| Positive Control <sup>5</sup> | 677 ± 20.6            | 464 ± 26.2 |                 |                     |

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**LEGEND**

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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 2-Aminoanthracene

3: 2.5 ug/Plate 2-Aminoanthracene

4: 5.0 ug/Plate Sodium Azide

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

s: Slight Toxicity

**\*\* END OF REPORT \*\***