

Experiment Number: **G88195**

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

**G06: Ames Summary Data**

Test Compound: **3'-Azido-3'-deoxythymidine (AIDS)**

CAS Number: **30516-87-1**

Date Report Requested: **09/18/2018**

Time Report Requested: **11:39:53**

**NTP Study Number:**

G88195

**Study Result:**

Weakly Positive

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## Strain: TA100

| Dose (ug/Plate)               | Without S9 | Without S9            | With 10% Rat S9 | With 10% Rat S9       |
|-------------------------------|------------|-----------------------|-----------------|-----------------------|
| Vehicle Control <sup>1</sup>  | 92 ± 3.1   | 100 ± 6.4             | 94 ± 2.9        | 117 ± 9.0             |
| 0.03                          | 122 ± 8.8  |                       | 111 ± 10.0      |                       |
| 0.1                           | 115 ± 7.6  | 125 ± 6.4             | 101 ± 8.1       | 127 ± 8.3             |
| 0.25                          | 132 ± 9.7  | 119 ± 5.5             | 101 ± 6.5       | 114 ± 3.3             |
| 0.5                           | 123 ± 7.2  | 111 ± 8.7             | 100 ± 6.0       | 90 ± 6.8              |
| 1.0                           | 114 ± 5.0  | 116 ± 12.3            | 102 ± 8.7       | 92 ± 14.5             |
| 3.0                           | 114 ± 5.2  | 102 ± 1.8             | 97 ± 3.8        | 75 ± 2.6              |
| 6.0                           |            | 68 ± 6.2 <sup>s</sup> |                 | 51 ± 6.2 <sup>s</sup> |
| Trial Summary                 | Negative   | Negative              | Negative        | Negative              |
| Positive Control <sup>2</sup> | 958 ± 15.5 | 843 ± 13.0            |                 |                       |
| Positive Control <sup>3</sup> |            |                       | 2716 ± 80.2     | 2633 ± 260.0          |

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## Strain: TA98

| Dose (ug/Plate)               | Without S9           | Without S9            | With 10% Rat S9      | With 10% Rat S9      |
|-------------------------------|----------------------|-----------------------|----------------------|----------------------|
| Vehicle Control <sup>1</sup>  | 28 ± 3.9             | 27 ± 2.1              | 21 ± 2.7             | 27 ± 1.7             |
| 0.03                          | 31 ± 4.7             | 22 ± 3.5              | 21 ± 2.3             | 28 ± 2.2             |
| 0.1                           | 31 ± 5.4             | 29 ± 5.1              | 23 ± 2.6             | 25 ± 4.2             |
| 0.25                          | 37 ± 0.7             | 27 ± 4.1              | 32 ± 1.7             | 27 ± 4.8             |
| 0.5                           | 34 ± 5.4             | 29 ± 3.5              | 23 ± 4.2             | 30 ± 4.9             |
| 1.0                           | 18 ± 1.2             | 23 ± 3.3              | 16 ± 3.3             | 21 ± 1.8             |
| 3.0                           | 9 ± 3.0 <sup>s</sup> | 14 ± 3.3 <sup>s</sup> | 6 ± 1.0 <sup>s</sup> | 9 ± 1.5 <sup>s</sup> |
| Trial Summary                 | Negative             | Negative              | Negative             | Negative             |
| Positive Control <sup>4</sup> |                      |                       | 1884 ± 104.1         | 1739 ± 160.2         |
| Positive Control <sup>5</sup> | 439 ± 12.0           | 424 ± 101.6           |                      |                      |

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CAS Number: 30516-87-1

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## Strain: E. coli WP2 uvrA pKM101

| Dose (ug/Plate)               | Without S9            | Without S9            | Without S9             | Without S9            | With 10% Rat S9      |
|-------------------------------|-----------------------|-----------------------|------------------------|-----------------------|----------------------|
| Vehicle Control <sup>1</sup>  | 176 ± 8.5             | 166 ± 4.6             | 158 ± 9.9              | 182 ± 11.6            | 221 ± 9.9            |
| 0.03                          | 233 ± 4.4             | 193 ± 8.7             | 215 ± 4.5              | 200 ± 5.5             | 269 ± 11.3           |
| 0.1                           | 247 ± 7.2             | 209 ± 9.8             | 267 ± 14.5             | 241 ± 11.4            | 266 ± 9.7            |
| 0.25                          | 284 ± 5.3             | 250 ± 16.7            | 244 ± 8.0              | 267 ± 9.6             | 311 ± 13.7           |
| 0.5                           | 290 ± 25.5            | 184 ± 25.8            | 112 ± 32.4             | 62 ± 6.1 <sup>s</sup> | 307 ± 5.6            |
| 1.0                           | 139 ± 23.8            | 55 ± 3.9 <sup>s</sup> | 38 ± 15.3 <sup>s</sup> | 7 ± 3.4 <sup>s</sup>  | 149 ± 9.6            |
| 3.0                           | 29 ± 4.5 <sup>s</sup> | 4 ± 1.7 <sup>s</sup>  | Toxic                  | Toxic                 | 1 ± 0.3 <sup>s</sup> |
| Trial Summary                 | Weakly Positive       | Weakly Positive       | Equivocal              | Weakly Positive       | Weakly Positive      |
| Positive Control <sup>6</sup> |                       |                       | 1388 ± 80.5            | 1682 ± 84.2           |                      |
| Positive Control <sup>7</sup> |                       |                       |                        |                       | 1345 ± 65.7          |
| Positive Control <sup>8</sup> | 1075 ± 176.4          | 1165 ± 45.9           |                        |                       |                      |

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Strain: E. coli WP2 uvrA pKM101

| Dose (ug/Plate)               | With 10% Rat S9       | With 10% Rat S9        | With 10% Rat S9       |
|-------------------------------|-----------------------|------------------------|-----------------------|
| Vehicle Control <sup>1</sup>  | 214 ± 15.6            | 183 ± 6.6              | 187 ± 9.8             |
| 0.03                          | 258 ± 8.4             | 257 ± 18.1             | 259 ± 12.9            |
| 0.1                           | 257 ± 7.2             | 259 ± 15.2             | 274 ± 19.5            |
| 0.25                          | 238 ± 8.8             | 289 ± 26.6             | 285 ± 20.2            |
| 0.5                           | 181 ± 27.1            | 84 ± 15.7 <sup>s</sup> | 72 ± 3.8 <sup>s</sup> |
| 1.0                           | 52 ± 1.9 <sup>s</sup> | 10 ± 1.7 <sup>s</sup>  | Toxic                 |
| 3.0                           | 4 ± 1.5 <sup>s</sup>  | Toxic                  | 3 ± 1.5 <sup>s</sup>  |
| Trial Summary                 | Negative              | Weakly Positive        | Weakly Positive       |
| Positive Control <sup>6</sup> |                       |                        |                       |
| Positive Control <sup>7</sup> | 1269 ± 38.8           | 1294 ± 62.4            | 1269 ± 64.9           |
| Positive Control <sup>8</sup> |                       |                        |                       |

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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 Sodium Azide

3: 2.5 ug/Plate 2-Aminoanthracene

4: 2.0 ug/Plate 2-Aminoanthracene

5: 3.0 ug/Plate 2-Nitrofluorene

6: 0.25 ug/Plate Other Positive Control

7: 20.0 ug/Plate 2-Aminoanthracene

8: 100.0 ug/Plate Methyl Methane Sulfonate

s: Slight Toxicity

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