

Experiment Number: **G94043**

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

**G06: Ames Summary Data**

Test Compound: **Sodium Metavanadate**

CAS Number: **13718-26-8**

Date Report Requested: **09/16/2018**

Time Report Requested: **11:22:58**

**NTP Study Number:**

G94043

**Study Result:**

Negative

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| <b>Strain: TA100</b>          |                   |                   |                        |                        |
|-------------------------------|-------------------|-------------------|------------------------|------------------------|
| <b>Dose (ug/Plate)</b>        | <b>Without S9</b> | <b>Without S9</b> | <b>With 10% Rat S9</b> | <b>With 10% Rat S9</b> |
| Vehicle Control <sup>1</sup>  | 105 ± 5.4         | 108 ± 1.5         | 95 ± 4.7               | 113 ± 2.6              |
| 0.5                           | 98 ± 9.7          | 120 ± 3.0         |                        |                        |
| 1.0                           | 108 ± 8.2         | 111 ± 3.2         |                        | 105 ± 9.6              |
| 2.5                           | 101 ± 9.2         | 120 ± 1.5         | 97 ± 8.9               | 120 ± 4.3              |
| 10.0                          | 125 ± 4.9         | 117 ± 1.5         | 90 ± 2.0               | 98 ± 18.8              |
| 20.0                          |                   | 113 ± 6.5         |                        |                        |
| 40.0                          | 22 ± 8.1          | 33 ± 8.5          | 99 ± 8.7               | 97 ± 6.6               |
| 100.0                         | 8 ± 2.0           |                   | 109 ± 3.2              | 97 ± 13.5              |
| 200.0                         |                   |                   | Toxic                  | Toxic                  |
| 500.0                         |                   |                   | Toxic                  |                        |
| Trial Summary                 | Negative          | Negative          | Negative               | Negative               |
| Positive Control <sup>2</sup> | 772 ± 18.2        | 887 ± 32.3        |                        |                        |
| Positive Control <sup>3</sup> |                   |                   | 1594 ± 195.9           | 2165 ± 73.1            |

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**Strain: TA98**

| <b>Dose (ug/Plate)</b>        | <b>Without S9</b> | <b>Without S9</b> | <b>With 10% Rat S9</b> | <b>With 10% Rat S9</b> |
|-------------------------------|-------------------|-------------------|------------------------|------------------------|
| Vehicle Control <sup>1</sup>  | 19 ± 1.0          | 21 ± 1.5          | 24 ± 7.6               | 34 ± 1.7               |
| 0.5                           | 21 ± 3.8          | 21 ± 1.7          | 30 ± 0.7               | 27 ± 3.2               |
| 1.0                           | 18 ± 3.0          | 22 ± 2.6          | 23 ± 3.0               | 26 ± 1.2               |
| 2.5                           | 18 ± 2.5          | 22 ± 1.2          | 24 ± 6.4               | 24 ± 1.2               |
| 10.0                          | 12 ± 2.5          | 18 ± 3.8          | 29 ± 3.2               | 27 ± 2.3               |
| 20.0                          |                   | Toxic             |                        |                        |
| 40.0                          | Toxic             | Toxic             | 15 ± 2.8               | 9 ± 1.5                |
| 100.0                         | Toxic             |                   | Toxic                  | Toxic                  |
| Trial Summary                 | Negative          | Negative          | Negative               | Negative               |
| Positive Control <sup>4</sup> |                   |                   | 1330 ± 58.9            | 1477 ± 35.6            |
| Positive Control <sup>5</sup> | 547 ± 39.3        | 377 ± 13.5        |                        |                        |

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**Strain: E. coli WP2 uvrA pKM101**

| <b>Dose (ug/Plate)</b>        | <b>Without S9</b> | <b>Without S9</b> | <b>With 10% Rat S9</b> | <b>With 10% Rat S9</b> |
|-------------------------------|-------------------|-------------------|------------------------|------------------------|
| Vehicle Control <sup>1</sup>  | 150 ± 7.0         | 161 ± 5.5         | 181 ± 11.1             | 150 ± 7.0              |
| 40.0                          |                   | 143 ± 2.3         |                        | 166 ± 9.8              |
| 100.0                         | 141 ± 9.1         | 149 ± 0.0         | 152 ± 3.4              | 146 ± 7.2              |
| 200.0                         | 153 ± 14.9        | 133 ± 4.0         | 169 ± 2.9              | 146 ± 8.5              |
| 500.0                         | 131 ± 3.5         | 121 ± 10.8        | 156 ± 3.8              | 149 ± 6.2              |
| 1000.0                        | 130 ± 11.5        |                   | 151 ± 18.1             |                        |
| 2000.0                        |                   | 116 ± 11.4        |                        | 133 ± 18.4             |
| 3000.0                        | 112 ± 4.9         |                   | 138 ± 12.2             |                        |
| 6000.0                        | 120 ± 5.5         | 133 ± 3.8         | 140 ± 6.4              | 140 ± 2.1              |
| Trial Summary                 | Negative          | Negative          | Negative               | Negative               |
| Positive Control <sup>6</sup> |                   |                   | 1088 ± 18.5            | 1051 ± 66.2            |
| Positive Control <sup>7</sup> | 2697 ± 29.4       | 612 ± 59.6        |                        |                        |

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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: Distilled Water
- 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: 20.0 ug/Plate 2-Aminoanthracene
- 7: 100.0 ug/Plate Methyl Methane Sulfonate

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