

Experiment Number: A03143

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

G06: Ames Summary Data

Test Compound: **Stoddard solvent (type IIC)**

CAS Number: **64742-88-7**

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

Time Report Requested: **11:37:52**

NTP Study Number:

A03143

Study Result:

Negative

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Date Report Requested: 09/15/2018

Time Report Requested: 11:37:52

Strain: TA100

| Dose (ug/Plate) | Without S9 | Without S9 | With 10% Rat S9 | With 30% Rat S9 | With 5% Hamster S9 |
|-------------------------------|------------|-------------|-----------------|-----------------|--------------------|
| Vehicle Control ¹ | 112 ± 5.9 | 122 ± 6.5 | 123 ± 3.5 | 123 ± 4.2 | 103 ± 7.8 |
| 33.0 | | | | | 111 ± 6.3 |
| 100.0 | 117 ± 1.7 | 115 ± 0.6 | 116 ± 3.8 | 124 ± 2.6 | 100 ± 2.2 |
| 166.0 | | | | | 107 ± 3.5 |
| 333.0 | 114 ± 3.2 | 122 ± 2.0 | 115 ± 5.5 | 123 ± 4.9 | 103 ± 6.0 |
| 666.0 | | | | | 85 ± 6.7 |
| 1000.0 | 113 ± 5.0 | 118 ± 2.0 | 118 ± 5.0 | 122 ± 4.6 | |
| 3333.0 | 113 ± 7.6 | 113 ± 2.9 | 116 ± 0.7 | 119 ± 3.2 | |
| 10000.0 | 112 ± 2.2 | 117 ± 5.2 | 113 ± 5.2 | 109 ± 4.7 | |
| Trial Summary | Negative | Negative | Negative | Negative | Negative |
| Positive Control ² | | | | | 1240 ± 89.3 |
| Positive Control ³ | | | 605 ± 11.8 | | |
| Positive Control ⁴ | | | | 475 ± 11.6 | |
| Positive Control ⁵ | 890 ± 8.2 | 1012 ± 18.4 | | | |

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Strain: TA100

| Dose (ug/Plate) | With 10% Hamster S9 | With 10% Hamster S9 | With 30% Hamster S9 |
|-------------------------------|----------------------------|----------------------------|----------------------------|
| Vehicle Control ¹ | 118 ± 14.4 | 129 ± 4.7 | 121 ± 5.9 |
| 33.0 | | 123 ± 4.2 | |
| 100.0 | 135 ± 1.3 | 101 ± 4.2 | 111 ± 4.6 |
| 166.0 | | 111 ± 2.8 | |
| 333.0 | 178 ± 7.0 | 121 ± 4.9 | 110 ± 10.4 |
| 666.0 | | 117 ± 6.7 | |
| 1000.0 | 141 ± 19.7 | | 117 ± 5.6 |
| 3333.0 | 157 ± 3.3 | | 106 ± 9.2 |
| 10000.0 | 128 ± 9.3 | | 104 ± 6.8 |
| Trial Summary | Equivocal | Negative | Negative |
| Positive Control ² | 1022 ± 26.6 | 889 ± 18.5 | |
| Positive Control ³ | | | 519 ± 9.5 |
| Positive Control ⁴ | | | |
| Positive Control ⁵ | | | |

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Strain: TA1535

| Dose (ug/Plate) | Without S9 | Without S9 | With 10% Rat S9 | With 30% Rat S9 | With 10% Hamster S9 |
|-------------------------------|------------|------------|-----------------|-----------------|---------------------|
| Vehicle Control ¹ | 10 ± 1.2 | 10 ± 1.2 | 10 ± 1.5 | 11 ± 1.2 | 10 ± 1.2 |
| 100.0 | 10 ± 1.2 | 8 ± 0.9 | 8 ± 0.0 | 8 ± 0.7 | 8 ± 1.2 |
| 333.0 | 8 ± 0.6 | 10 ± 1.2 | 10 ± 0.3 | 8 ± 0.9 | 11 ± 0.7 |
| 1000.0 | 8 ± 0.9 | 10 ± 2.2 | 11 ± 0.7 | 9 ± 1.3 | 11 ± 1.5 |
| 3333.0 | 7 ± 1.2 | 10 ± 0.9 | 10 ± 1.0 | 10 ± 1.2 | 11 ± 1.0 |
| 10000.0 | 7 ± 0.3 | 7 ± 0.6 | 9 ± 2.5 | 9 ± 1.5 | 8 ± 0.3 |
| Trial Summary | Negative | Negative | Negative | Negative | Negative |
| Positive Control ³ | | | | | 146 ± 16.8 |
| Positive Control ⁵ | 955 ± 8.3 | 845 ± 31.0 | | | |
| Positive Control ⁴ | | | 145 ± 7.0 | | |
| Positive Control ⁶ | | | | 231 ± 32.4 | |

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Test Compound: **Stoddard solvent (type IIC)**

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

Time Report Requested: **11:37:52**

Strain: TA1535

| Dose (ug/Plate) | With 30% Hamster S9 |
|-------------------------------|----------------------------|
| Vehicle Control ¹ | 10 ± 1.5 |
| 100.0 | 10 ± 1.0 |
| 333.0 | 6 ± 0.3 |
| 1000.0 | 11 ± 0.6 |
| 3333.0 | 11 ± 0.9 |
| 10000.0 | 9 ± 0.7 |
| Trial Summary | Negative |
| Positive Control ³ | |
| Positive Control ⁵ | |
| Positive Control ⁴ | 333 ± 15.3 |
| Positive Control ⁶ | |

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Date Report Requested: 09/15/2018

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Strain: TA97

| Dose (ug/Plate) | Without S9 | Without S9 | With 10% Rat S9 | With 30% Rat S9 | With 10% Hamster S9 |
|-------------------------------|------------|------------|-----------------|-----------------|---------------------|
| Vehicle Control ¹ | 154 ± 16.6 | 164 ± 11.4 | 166 ± 10.8 | 166 ± 10.6 | 162 ± 9.7 |
| 100.0 | 158 ± 21.1 | 176 ± 9.1 | 146 ± 12.1 | 180 ± 9.2 | 169 ± 8.8 |
| 333.0 | 147 ± 5.5 | 178 ± 0.9 | 171 ± 15.4 | 198 ± 5.9 | 175 ± 11.1 |
| 1000.0 | 171 ± 8.7 | 175 ± 5.8 | 177 ± 9.7 | 192 ± 9.3 | 182 ± 8.1 |
| 3333.0 | 170 ± 6.8 | 169 ± 6.0 | 157 ± 10.2 | 181 ± 6.3 | 168 ± 11.8 |
| 10000.0 | 178 ± 10.0 | 175 ± 5.5 | 160 ± 14.2 | 179 ± 11.5 | 186 ± 14.0 |
| Trial Summary | Negative | Negative | Negative | Negative | Negative |
| Positive Control ² | | | | | 1001 ± 42.4 |
| Positive Control ³ | | | 783 ± 25.0 | | |
| Positive Control ⁴ | | | | 586 ± 38.7 | |
| Positive Control ⁷ | 623 ± 23.5 | 506 ± 4.6 | | | |

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Strain: TA97

| Dose (ug/Plate) | With 30% Hamster S9 |
|-------------------------------|----------------------------|
| Vehicle Control ¹ | 171 ± 8.3 |
| 100.0 | 197 ± 11.3 |
| 333.0 | 170 ± 12.9 |
| 1000.0 | 181 ± 3.2 |
| 3333.0 | 172 ± 20.0 |
| 10000.0 | 175 ± 11.7 |
| Trial Summary | Negative |
| Positive Control ² | |
| Positive Control ³ | 626 ± 24.9 |
| Positive Control ⁴ | |
| Positive Control ⁷ | |

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Strain: TA98

| Dose (ug/Plate) | Without S9 | Without S9 | With 10% Rat S9 | With 30% Rat S9 | With 10% Hamster S9 |
|-------------------------------|------------|------------|-----------------|-----------------|---------------------|
| Vehicle Control ¹ | 17 ± 2.0 | 14 ± 0.9 | 19 ± 3.2 | 16 ± 0.6 | 19 ± 1.2 |
| 100.0 | 17 ± 3.0 | 13 ± 2.6 | 19 ± 0.3 | 15 ± 2.0 | 17 ± 1.2 |
| 333.0 | 18 ± 0.3 | 15 ± 2.2 | 19 ± 1.5 | 24 ± 2.5 | 18 ± 1.9 |
| 1000.0 | 20 ± 2.9 | 14 ± 0.9 | 18 ± 3.2 | 25 ± 1.3 | 22 ± 2.8 |
| 3333.0 | 18 ± 1.3 | 16 ± 0.9 | 13 ± 3.3 | 22 ± 3.0 | 15 ± 1.8 |
| 10000.0 | 15 ± 2.0 | 14 ± 2.7 | 16 ± 0.6 | 15 ± 2.5 | 14 ± 1.0 |
| Trial Summary | Negative | Negative | Negative | Negative | Negative |
| Positive Control ² | | | | | 1281 ± 23.5 |
| Positive Control ³ | | | 745 ± 16.5 | | |
| Positive Control ⁸ | 303 ± 12.5 | 327 ± 3.8 | | | |
| Positive Control ⁴ | | | | 349 ± 16.5 | |

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Strain: TA98

| Dose (ug/Plate) | With 30% Hamster S9 |
|-------------------------------|----------------------------|
| Vehicle Control ¹ | 19 ± 3.4 |
| 100.0 | 17 ± 0.9 |
| 333.0 | 17 ± 1.2 |
| 1000.0 | 20 ± 4.3 |
| 3333.0 | 21 ± 0.3 |
| 10000.0 | 17 ± 1.8 |
| Trial Summary | Negative |
| Positive Control ² | |
| Positive Control ³ | 426 ± 15.5 |
| Positive Control ⁸ | |
| Positive Control ⁴ | |

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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: Water
- 2: 1.0 ug/Plate 2-Aminoanthracene
- 3: 2.0 ug/Plate 2-Aminoanthracene
- 4: 5.0 ug/Plate 2-Aminoanthracene
- 5: 5.0 ug/Plate Sodium Azide
- 6: 10.0 ug/Plate 2-Aminoanthracene
- 7: 50.0 ug/Plate 9-Aminoacridine
- 8: 2.5 ug/Plate 4-Nitro-O-Phenylenediamine

**** END OF REPORT ****