

Experiment Number: 067601

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: p-tert-Pentylphenol

CAS Number: 80-46-6

Date Report Requested: 09/10/2018

Time Report Requested: 18:32:58

NTP Study Number:

067601

Study Result:

Negative

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Date Report Requested: 09/10/2018

Time Report Requested: 18:32:58

Strain: TA100

| Dose (ug/Plate) | Without S9 | Without S9 | With 10% Rat S9 | With 30% Rat S9 | With 10% Hamster S9 |
|-------------------------------|------------------------|------------------------|-----------------|-----------------|---------------------|
| Vehicle Control ¹ | 125 ± 4.8 | 101 ± 3.6 | 110 ± 8.9 | 109 ± 8.1 | 107 ± 0.6 |
| 0.3 | | 106 ± 6.4 | | | |
| 1.0 | 124 ± 12.2 | 118 ± 2.0 | 99 ± 4.4 | 123 ± 5.5 | 99 ± 3.0 |
| 3.3 | 128 ± 4.3 | 103 ± 7.4 | 105 ± 0.9 | 86 ± 4.2 | 97 ± 3.2 |
| 10.0 | 129 ± 4.1 | 107 ± 11.6 | 113 ± 9.2 | 92 ± 7.0 | 115 ± 8.5 |
| 33.0 | 117 ± 6.7 ^s | 107 ± 8.7 ^s | 116 ± 7.3 | 96 ± 3.8 | 98 ± 3.8 |
| 67.0 | Toxic | | | 92 ± 4.2 | |
| 100.0 | | | Toxic | | Toxic |
| Trial Summary | Negative | Negative | Negative | Negative | Negative |
| Positive Control ² | | | | | 2416 ± 35.5 |
| Positive Control ³ | | | 2143 ± 11.1 | | |
| Positive Control ⁴ | | | | 520 ± 22.3 | |
| Positive Control ⁵ | 1379 ± 20.0 | 1252 ± 50.3 | | | |

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Strain: TA100

| Dose (ug/Plate) | With 30% Hamster S9 |
|-------------------------------|----------------------------|
| Vehicle Control ¹ | 92 ± 6.4 |
| 0.3 | |
| 1.0 | 94 ± 3.9 |
| 3.3 | 80 ± 3.3 |
| 10.0 | 87 ± 5.0 |
| 33.0 | 84 ± 6.2 |
| 67.0 | 86 ± 6.8 |
| 100.0 | |
| Trial Summary | Negative |
| Positive Control ² | |
| Positive Control ³ | |
| Positive Control ⁴ | 1245 ± 12.6 |
| 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 | 26 ± 0.9 | 32 ± 2.4 | 11 ± 0.6 | 13 ± 3.3 | 11 ± 0.9 |
| 0.3 | | 32 ± 4.6 | | | |
| 1.0 | 36 ± 1.5 | 36 ± 3.5 | 13 ± 1.9 | 14 ± 1.7 | 9 ± 2.2 |
| 3.3 | 25 ± 1.2 | 33 ± 4.9 | 14 ± 3.4 | 12 ± 2.1 | 12 ± 0.3 |
| 10.0 | 32 ± 2.4 | 37 ± 4.7 | 14 ± 2.1 | 13 ± 1.0 | 8 ± 2.0 |
| 33.0 | 26 ± 1.7 ^s | 28 ± 2.4 ^s | 10 ± 2.0 | 11 ± 0.9 | 10 ± 2.5 |
| 67.0 | Toxic | | | 13 ± 1.9 | |
| 100.0 | | | 4 ± 0.7 ^s | | 8 ± 1.7 ^s |
| Trial Summary | Negative | Negative | Negative | Negative | Negative |
| Positive Control ² | | | | | 169 ± 3.2 |
| Positive Control ³ | | | 131 ± 6.5 | | |
| Positive Control ⁴ | | | | 136 ± 7.4 | |
| Positive Control ⁵ | 1086 ± 16.5 | 890 ± 10.5 | | | |

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Strain: TA1535

| Dose (ug/Plate) | With 30% Hamster S9 |
|-------------------------------|----------------------------|
| Vehicle Control ¹ | 11 ± 1.5 |
| 0.3 | |
| 1.0 | 15 ± 0.0 |
| 3.3 | 10 ± 0.3 |
| 10.0 | 12 ± 2.9 |
| 33.0 | 9 ± 4.2 |
| 67.0 | 11 ± 0.9 ^s |
| 100.0 | |
| Trial Summary | Negative |
| Positive Control ² | |
| Positive Control ³ | |
| Positive Control ⁴ | 340 ± 12.4 |
| Positive Control ⁵ | |

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Date Report Requested: 09/10/2018

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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 | 106 ± 11.1 | 97 ± 4.2 | 149 ± 4.9 | 159 ± 10.8 | 126 ± 9.7 |
| 0.3 | | 95 ± 0.6 | | | |
| 1.0 | 118 ± 6.7 | 100 ± 11.2 | 164 ± 6.9 | 158 ± 7.0 | 150 ± 4.0 |
| 3.3 | 108 ± 18.8 | 103 ± 3.8 | 150 ± 13.7 | 155 ± 12.7 | 133 ± 4.2 |
| 10.0 | 103 ± 7.5 | 98 ± 8.8 | 156 ± 7.6 | 148 ± 13.8 | 157 ± 0.9 |
| 33.0 | 113 ± 11.9 ^s | 85 ± 3.1 ^s | 154 ± 9.7 | 136 ± 2.7 | 140 ± 2.2 |
| 67.0 | Toxic | | | 140 ± 6.3 ^s | |
| 100.0 | | | Toxic | | 116 ± 10.0 ^s |
| Trial Summary | Negative | Negative | Negative | Negative | Negative |
| Positive Control ² | | | | | 1612 ± 34.6 |
| Positive Control ³ | | | 1452 ± 39.2 | | |
| Positive Control ⁴ | | | | 389 ± 16.2 | |
| Positive Control ⁶ | 1270 ± 27.8 | 1492 ± 19.1 | | | |

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Strain: TA97

| Dose (ug/Plate) | With 30% Hamster S9 |
|-------------------------------|----------------------------|
| Vehicle Control ¹ | 132 ± 3.3 |
| 0.3 | |
| 1.0 | 137 ± 1.3 |
| 3.3 | 143 ± 9.0 |
| 10.0 | 136 ± 4.4 |
| 33.0 | 146 ± 6.3 |
| 67.0 | 129 ± 5.2 |
| 100.0 | |
| Trial Summary | Negative |
| Positive Control ² | |
| Positive Control ³ | |
| Positive Control ⁴ | 839 ± 34.2 |
| Positive Control ⁶ | |

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Strain: TA98

| Dose (ug/Plate) | Without S9 | Without S9 | Without S9 | With 10% Rat S9 | With 30% Rat S9 |
|-------------------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------|
| Vehicle Control ¹ | 18 ± 2.6 | 14 ± 4.4 | 16 ± 1.5 | 35 ± 2.4 | 33 ± 5.2 |
| 0.3 | | 17 ± 4.2 | 16 ± 3.6 | | |
| 1.0 | 21 ± 3.0 | 13 ± 1.8 | 17 ± 2.6 | 37 ± 2.2 | 31 ± 4.8 |
| 3.3 | 14 ± 0.6 | 20 ± 2.3 | 21 ± 0.7 | 41 ± 1.5 | 27 ± 0.9 |
| 10.0 | 16 ± 3.2 | 15 ± 2.8 | 18 ± 1.9 | 34 ± 2.1 | 31 ± 2.6 |
| 33.0 | 12 ± 1.5 ^s | 16 ± 1.2 ^s | 17 ± 4.0 ^s | 42 ± 1.5 | 37 ± 7.2 |
| 67.0 | 7 ± 0.5 ^s | | | | 38 ± 0.3 |
| 100.0 | | | | 21 ± 4.0 ^s | |
| Trial Summary | Negative | Negative | Negative | Negative | Negative |
| Positive Control ² | | | | | |
| Positive Control ³ | | | | 2226 ± 35.7 | |
| Positive Control ⁴ | | | | | 568 ± 23.9 |
| Positive Control ⁷ | 1866 ± 26.5 | 1272 ± 37.4 | 1413 ± 40.6 | | |

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Strain: TA98

| Dose (ug/Plate) | With 30% Rat S9 | With 10% Hamster S9 | With 30% Hamster S9 | With 30% Hamster S9 |
|-------------------------------|-----------------|-----------------------|---------------------|---------------------|
| Vehicle Control ¹ | 33 ± 0.9 | 35 ± 3.2 | 30 ± 2.5 | 33 ± 2.4 |
| 0.3 | | | | |
| 1.0 | 36 ± 3.8 | 42 ± 1.3 | 29 ± 3.1 | 40 ± 3.8 |
| 3.3 | 39 ± 2.3 | 32 ± 3.3 | 31 ± 2.7 | 31 ± 2.7 |
| 10.0 | 38 ± 2.0 | 35 ± 1.9 | 35 ± 1.2 | 40 ± 6.4 |
| 33.0 | 34 ± 2.2 | 42 ± 0.3 | 29 ± 4.9 | 43 ± 3.3 |
| 67.0 | 43 ± 5.3 | | 27 ± 3.3 | 36 ± 4.7 |
| 100.0 | | 23 ± 2.8 ^s | | |
| Trial Summary | Negative | Negative | Negative | Negative |
| Positive Control ² | | 2777 ± 50.5 | | |
| Positive Control ³ | | | | |
| Positive Control ⁴ | 314 ± 17.0 | | 1573 ± 31.3 | 324 ± 23.8 |
| Positive Control ⁷ | | | | |

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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: 0.75 ug/Plate 2-Aminoanthracene

3: 1.5 ug/Plate 2-Aminoanthracene

4: 2.0 ug/Plate 2-Aminoanthracene

5: 2.5 ug/Plate Sodium Azide

6: 4.0 ug/Plate 9-Aminoacridine

7: 12.0 ug/Plate 4-Nitro-O-Phenylenediamine

s: Slight Toxicity

**** END OF REPORT ****