Experiment Number: **725996**

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

**G06: Ames Summary Data**

Test Compound: **Hexachlorocyclopentadiene**

CAS Number: **77-47-4**

Date Report Requested: **09/12/2018**

Time Report Requested: **19:30:50**

**NTP Study Number:** 725996

**Study Result:** Negative

Experiment Number: **725996**

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

**G06: Ames Summary Data**

Test Compound: **Hexachlorocyclopentadiene**

CAS Number: **77-47-4**

Date Report Requested: **09/12/2018**

Time Report Requested: **19:30:50**

**Strain: TA100**

| Dose (ug/Plate) | Without S9 | Without S9 | With 10% Rat S9 | With 10% Rat S9 | With 10% Hamster S9 |
|---|---|---|---|---|---|
| Vehicle Control[1] | 107 ± 9.8 | 79 ± 6.4 | 128 ± 4.7 | 114 ± 4.2 | 109 ± 9.0 |
| 0.03 | 106 ± 9.3 | 102 ± 7.5 | | | |
| 0.1 | 102 ± 8.4 | 94 ± 2.6 | | | |
| 0.3 | 77 ± 9.2 | 98 ± 2.6 | | | |
| 1.0 | 41 ± 11.5[s] | 108 ± 11.5 | 129 ± 4.7 | 113 ± 5.5 | 123 ± 7.8 |
| 3.3 | 2 ± 1.0[s] | 96 ± 5.2 | 117 ± 5.9 | 121 ± 13.0 | 113 ± 16.8 |
| 10.0 | | | 125 ± 11.5 | 108 ± 7.1 | 110 ± 17.6 |
| 33.3 | | | 141 ± 8.6 | 119 ± 5.3 | 132 ± 7.2 |
| 100.0 | | | 7 ± 2.7[s] | 124 ± 4.0 | 57 ± 1.5[s] |
| Trial Summary | Negative | Negative | Negative | Negative | Negative |
| Positive Control[2] | | | 498 ± 19.2 | 305 ± 7.0 | 1511 ± 44.1 |
| Positive Control[3] | 520 ± 8.0 | 404 ± 11.8 | | | |

Experiment Number: **725996**

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

**G06: Ames Summary Data**

Test Compound: **Hexachlorocyclopentadiene**

CAS Number: **77-47-4**

Date Report Requested: **09/12/2018**

Time Report Requested: **19:30:50**

**Strain: TA100**

| Dose (ug/Plate) | With 10% Hamster S9 |
|---|---|
| Vehicle Control[1] | 154 ± 13.1 |
| 0.03 | |
| 0.1 | |
| 0.3 | |
| 1.0 | 143 ± 9.6 |
| 3.3 | 138 ± 14.5 |
| 10.0 | 118 ± 12.0 |
| 33.3 | 121 ± 2.3 |
| 100.0 | 112 ± 12.8 |
| Trial Summary | Negative |
| Positive Control[2] | 908 ± 11.0 |
| Positive Control[3] | |

Experiment Number: **725996**

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

**G06: Ames Summary Data**

Test Compound: **Hexachlorocyclopentadiene**

CAS Number: **77-47-4**

Date Report Requested: **09/12/2018**

Time Report Requested: **19:30:50**

**Strain: TA1535**

| Dose (ug/Plate) | Without S9 | Without S9 | With 10% Rat S9 | With 10% Rat S9 | With 10% Hamster S9 |
|---|---|---|---|---|---|
| Vehicle Control[1] | 13 ± 2.3 | 15 ± 0.3 | 11 ± 0.9 | 13 ± 3.1 | 12 ± 1.5 |
| 0.03 | 11 ± 1.5 | 12 ± 0.3 | | | |
| 0.1 | 10 ± 1.8 | 18 ± 3.2 | | | |
| 0.3 | 9 ± 0.3 | 17 ± 2.3 | | | |
| 1.0 | 2 ± 0.3 | 19 ± 3.2 | 11 ± 3.0 | 10 ± 2.1 | 8 ± 0.9 |
| 3.3 | 3 ± 1.7[s] | 17 ± 1.2 | 12 ± 2.7 | 10 ± 3.1 | 11 ± 1.9 |
| 10.0 | | | 12 ± 1.8 | 13 ± 2.6 | 11 ± 1.3 |
| 33.3 | | | 11 ± 2.3 | 10 ± 2.1 | 10 ± 2.7 |
| 100.0 | | | 4 ± 1.5[s] | 6 ± 0.9 | 4 ± 1.2[s] |
| Trial Summary | Negative | Negative | Negative | Negative | Negative |
| Positive Control[3] | 390 ± 4.2 | 312 ± 4.4 | | | |
| Positive Control[4] | | | 221 ± 12.5 | 228 ± 3.8 | 233 ± 30.8 |

Experiment Number: **725996**

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

**G06: Ames Summary Data**

Test Compound: **Hexachlorocyclopentadiene**

CAS Number: **77-47-4**

Date Report Requested: **09/12/2018**

Time Report Requested: **19:30:50**

**Strain: TA1535**

| Dose (ug/Plate) | With 10% Hamster S9 |
|---|---|
| Vehicle Control[1] | 11 ± 0.9 |
| 0.03 | |
| 0.1 | |
| 0.3 | |
| 1.0 | 15 ± 3.0 |
| 3.3 | 10 ± 2.1 |
| 10.0 | 15 ± 1.0 |
| 33.3 | 15 ± 1.7 |
| 100.0 | 9 ± 1.9 |
| Trial Summary | Negative |
| Positive Control[3] | |
| Positive Control[4] | 360 ± 4.5 |

Experiment Number: **725996**

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

**G06: Ames Summary Data**

Test Compound: **Hexachlorocyclopentadiene**

CAS Number: **77-47-4**

Date Report Requested: **09/12/2018**

Time Report Requested: **19:30:50**

**Strain: TA1537**

| Dose (ug/Plate) | Without S9 | Without S9 | With 10% Rat S9 | With 10% Rat S9 | With 10% Hamster S9 |
|---|---|---|---|---|---|
| Vehicle Control[1] | 9 ± 3.5 | 6 ± 0.3 | 6 ± 0.7 | 10 ± 1.2 | 9 ± 2.0 |
| 0.03 | 5 ± 2.2 | 5 ± 0.7 | | | |
| 0.1 | 5 ± 1.0 | 5 ± 0.3 | | | |
| 0.3 | 2 ± 0.3 | 6 ± 1.8 | | | |
| 1.0 | 6 ± 1.2 | 4 ± 0.3 | 6 ± 0.7 | 9 ± 2.3 | 6 ± 0.3 |
| 3.3 | 0 ± 0.3[s] | 6 ± 0.9 | 5 ± 0.3 | 9 ± 2.0 | 8 ± 2.0 |
| 10.0 | | | 4 ± 0.3 | 13 ± 0.6 | 5 ± 1.2 |
| 33.3 | | | 6 ± 0.7 | 12 ± 2.1 | 5 ± 1.3 |
| 100.0 | | | 3 ± 1.0[s] | 7 ± 3.5 | 3 ± 1.0[s] |
| Trial Summary | Negative | Negative | Negative | Negative | Negative |
| Positive Control[4] | | | 99 ± 7.8 | 154 ± 5.1 | 243 ± 26.3 |
| Positive Control[5] | 870 ± 97.6 | 152 ± 13.7 | | | |

Experiment Number: **725996**

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

**G06: Ames Summary Data**

Test Compound: **Hexachlorocyclopentadiene**

CAS Number: **77-47-4**

Date Report Requested: **09/12/2018**

Time Report Requested: **19:30:50**

**Strain: TA1537**

| Dose (ug/Plate) | With 10% Hamster S9 |
|---|---|
| Vehicle Control[1] | 12 ± 1.5 |
| 0.03 | |
| 0.1 | |
| 0.3 | |
| 1.0 | 16 ± 1.9 |
| 3.3 | 14 ± 1.2 |
| 10.0 | 12 ± 1.8 |
| 33.3 | 15 ± 0.7 |
| 100.0 | 11 ± 1.7 |
| Trial Summary | Negative |
| Positive Control[4] | 397 ± 12.0 |
| Positive Control[5] | |

Experiment Number: **725996**

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

**G06: Ames Summary Data**

Test Compound: **Hexachlorocyclopentadiene**

CAS Number: **77-47-4**

Date Report Requested: **09/12/2018**

Time Report Requested: **19:30:50**

**Strain: TA98**

| Dose (ug/Plate) | Without S9 | Without S9 | With 10% Rat S9 | With 10% Rat S9 | With 10% Hamster S9 |
|---|---|---|---|---|---|
| Vehicle Control[1] | 25 ± 0.9 | 17 ± 2.6 | 26 ± 3.5 | 22 ± 2.1 | 28 ± 5.6 |
| 0.03 | 21 ± 1.3 | 17 ± 1.5 | | | |
| 0.1 | 18 ± 1.5 | 13 ± 0.7 | | | |
| 0.3 | 15 ± 1.9 | 14 ± 2.1 | | | |
| 1.0 | 5 ± 1.3[s] | 16 ± 1.9 | 33 ± 2.6 | 19 ± 2.9 | 31 ± 3.6 |
| 3.3 | 4 ± 1.2[s] | 14 ± 1.8 | 27 ± 7.9 | 25 ± 4.9 | 31 ± 6.4 |
| 10.0 | | | 35 ± 7.1 | 24 ± 3.7 | 31 ± 4.8 |
| 33.3 | | | 34 ± 13.4 | 32 ± 3.5 | 20 ± 2.3 |
| 100.0 | | | 26 ± 14.3[s] | 26 ± 4.3 | 14 ± 7.2[s] |
| Trial Summary | Negative | Negative | Negative | Negative | Negative |
| Positive Control[2] | | | 367 ± 8.1 | 115 ± 8.2 | 1086 ± 57.3 |
| Positive Control[6] | 741 ± 16.9 | 675 ± 61.2 | | | |

Experiment Number: **725996**

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

**G06: Ames Summary Data**

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CAS Number: **77-47-4**

Date Report Requested: **09/12/2018**

Time Report Requested: **19:30:50**

**Strain: TA98**

| Dose (ug/Plate) | With 10% Hamster S9 |
|---|---|
| Vehicle Control[1] | 32 ± 7.0 |
| 0.03 | |
| 0.1 | |
| 0.3 | |
| 1.0 | 28 ± 1.2 |
| 3.3 | 30 ± 4.9 |
| 10.0 | 27 ± 1.5 |
| 33.3 | 37 ± 6.4 |
| 100.0 | 32 ± 3.7 |
| Trial Summary | Negative |
| Positive Control[2] | 426 ± 10.5 |
| Positive Control[6] | |

**LEGEND**

Values given as Mean or Mean ± 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: 1.0 ug/Plate Sodium Azide
4: 2.5 ug/Plate 2-Aminoanthracene
5: 50.0 ug/Plate 9-Aminoacridine
6: 5.0 ug/Plate 4-Nitro-O-Phenylenediamine
s: Slight Toxicity

** END OF REPORT **