

Experiment Number: 701264

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: Decane

CAS Number: 124-18-5

Date Report Requested: 09/12/2018

Time Report Requested: 12:22:05

NTP Study Number:

701264

Study Result:

Negative

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Mutagenicity

G06: Ames Summary Data

Test Compound: Decane

CAS Number: 124-18-5

Date Report Requested: 09/12/2018

Time Report Requested: 12:22:05

Strain: TA100

| Dose (ug/Plate) | Without S9 | Without S9 | With 10% Rat S9 | With 30% Rat S9 | With 10% Hamster S9 |
|-------------------------------|------------|------------|-----------------|-----------------|---------------------|
| Vehicle Control ¹ | 108 ± 13.5 | 117 ± 9.8 | 120 ± 8.5 | 123 ± 3.7 | 128 ± 2.8 |
| 100.0 | 96 ± 3.8 | 112 ± 9.0 | 129 ± 1.5 | 127 ± 11.7 | 128 ± 6.6 |
| 333.0 | 98 ± 6.1 | 101 ± 0.7 | 127 ± 8.4 | 139 ± 3.5 | 117 ± 11.4 |
| 1000.0 | 101 ± 2.7 | 101 ± 8.0 | 115 ± 4.0 | 128 ± 6.8 | 111 ± 0.9 |
| 3333.0 | 94 ± 2.2 | 121 ± 5.8 | 119 ± 10.3 | 101 ± 6.4 | 134 ± 8.0 |
| 10000.0 | 120 ± 5.9 | 112 ± 1.7 | 119 ± 4.9 | 120 ± 10.7 | 113 ± 6.4 |
| Trial Summary | Negative | Negative | Negative | Negative | Negative |
| Positive Control ² | | | | | 617 ± 24.7 |
| Positive Control ³ | | | 420 ± 19.9 | | |
| Positive Control ⁴ | 284 ± 13.8 | 462 ± 3.2 | | | |
| Positive Control ⁵ | | | | 439 ± 9.0 | |

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CAS Number: 124-18-5

Date Report Requested: 09/12/2018
Time Report Requested: 12:22:05

Strain: TA100

| Dose (ug/Plate) | With 30% Hamster S9 |
|-------------------------------|---------------------|
| Vehicle Control ¹ | 122 ± 5.5 |
| 100.0 | 125 ± 4.5 |
| 333.0 | 128 ± 3.0 |
| 1000.0 | 133 ± 8.2 |
| 3333.0 | 137 ± 5.5 |
| 10000.0 | 133 ± 7.9 |
| Trial Summary | Negative |
| Positive Control ² | |
| Positive Control ³ | 541 ± 17.0 |
| Positive Control ⁴ | |
| Positive Control ⁵ | |

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G06: Ames Summary Data

Test Compound: Decane

CAS Number: 124-18-5

Date Report Requested: 09/12/2018

Time Report Requested: 12:22:05

Strain: TA1535

| Dose (ug/Plate) | Without S9 | Without S9 | With 10% Rat S9 | With 30% Rat S9 | With 10% Hamster S9 |
|-------------------------------|------------|------------|-----------------|-----------------|---------------------|
| Vehicle Control ¹ | 17 ± 1.2 | 17 ± 1.5 | 22 ± 0.7 | 25 ± 2.3 | 19 ± 3.0 |
| 100.0 | 9 ± 1.8 | 16 ± 2.3 | 18 ± 3.4 | 32 ± 3.3 | 19 ± 3.2 |
| 333.0 | 10 ± 1.8 | 15 ± 0.3 | 22 ± 2.9 | 23 ± 3.7 | 14 ± 1.5 |
| 1000.0 | 13 ± 0.6 | 15 ± 0.3 | 19 ± 0.9 | 18 ± 0.6 | 16 ± 0.6 |
| 3333.0 | 13 ± 2.4 | 11 ± 1.3 | 15 ± 1.0 | 23 ± 1.5 | 17 ± 2.0 |
| 10000.0 | 11 ± 0.9 | 16 ± 2.6 | 23 ± 4.4 | 19 ± 1.9 | 20 ± 3.2 |
| Trial Summary | Negative | Negative | Negative | Negative | Negative |
| Positive Control ³ | | | | | 241 ± 27.2 |
| Positive Control ⁴ | 319 ± 10.7 | 457 ± 19.3 | | | |
| Positive Control ⁵ | | | 197 ± 9.0 | | |
| Positive Control ⁶ | | | | 232 ± 13.9 | |

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G06: Ames Summary Data
Test Compound: Decane
CAS Number: 124-18-5

Date Report Requested: 09/12/2018
Time Report Requested: 12:22:05

Strain: TA1535

| Dose (ug/Plate) | With 30% Hamster S9 |
|-------------------------------|---------------------|
| Vehicle Control ¹ | 16 ± 2.7 |
| 100.0 | 20 ± 2.9 |
| 333.0 | 13 ± 1.0 |
| 1000.0 | 10 ± 2.1 |
| 3333.0 | 9 ± 1.0 |
| 10000.0 | 11 ± 2.2 |
| Trial Summary | Negative |
| Positive Control ³ | |
| Positive Control ⁴ | |
| Positive Control ⁵ | 385 ± 34.8 |
| Positive Control ⁶ | |

Experiment Number: 701264

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: Decane

CAS Number: 124-18-5

Date Report Requested: 09/12/2018

Time Report Requested: 12:22:05

Strain: TA1537

| Dose (ug/Plate) | Without S9 | With 30% Rat S9 | With 30% Hamster S9 |
|-------------------------------|-------------------|------------------------|----------------------------|
| Vehicle Control ¹ | 10 ± 1.0 | 10 ± 0.6 | 8 ± 0.7 |
| 100.0 | 7 ± 1.9 | 11 ± 1.5 | 10 ± 1.9 |
| 333.0 | 8 ± 2.8 | 7 ± 0.9 | 6 ± 1.2 |
| 1000.0 | 5 ± 0.6 | 6 ± 0.9 | 9 ± 0.6 |
| 3333.0 | 6 ± 1.2 | 9 ± 1.5 | 11 ± 0.7 |
| 10000.0 | 10 ± 0.3 | 9 ± 4.0 | 6 ± 1.3 |
| Trial Summary | Negative | Negative | Negative |
| Positive Control ³ | | | 47 ± 3.5 |
| Positive Control ⁵ | | 39 ± 0.9 | |
| Positive Control ⁷ | 292 ± 40.5 | | |

Experiment Number: 701264

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G06: Ames Summary Data

Test Compound: Decane

CAS Number: 124-18-5

Date Report Requested: 09/12/2018

Time Report Requested: 12:22:05

Strain: TA97

| Dose (ug/Plate) | Without S9 | Without S9 | With 10% Rat S9 | With 30% Rat S9 | With 10% Hamster S9 |
|-------------------------------|------------|------------|-----------------|-----------------|---------------------|
| Vehicle Control ¹ | 128 ± 11.6 | 164 ± 10.6 | 187 ± 10.8 | 140 ± 1.5 | 180 ± 4.5 |
| 100.0 | 125 ± 1.2 | 171 ± 6.8 | 193 ± 5.0 | 173 ± 13.2 | 151 ± 8.5 |
| 333.0 | 141 ± 4.3 | 188 ± 6.5 | 195 ± 5.0 | 178 ± 3.2 | 181 ± 10.8 |
| 1000.0 | 135 ± 8.2 | 174 ± 5.7 | 210 ± 1.3 | 197 ± 3.1 | 187 ± 8.2 |
| 3333.0 | 132 ± 9.6 | 187 ± 5.5 | 207 ± 2.6 | 185 ± 13.6 | 184 ± 7.5 |
| 10000.0 | 157 ± 3.5 | 192 ± 3.1 | 205 ± 4.5 | 197 ± 8.5 | 183 ± 12.5 |
| Trial Summary | Negative | Negative | Negative | Equivocal | Negative |
| Positive Control ² | | | | | 389 ± 19.7 |
| Positive Control ³ | | | 305 ± 7.4 | | |
| Positive Control ⁵ | | | | 334 ± 7.2 | |
| Positive Control ⁷ | 601 ± 48.7 | 712 ± 37.8 | | | |

Experiment Number: 701264

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: Decane

CAS Number: 124-18-5

Date Report Requested: 09/12/2018

Time Report Requested: 12:22:05

Strain: TA97

| Dose (ug/Plate) | With 30% Hamster S9 |
|-------------------------------|----------------------------|
| Vehicle Control ¹ | 177 ± 13.0 |
| 100.0 | 176 ± 6.4 |
| 333.0 | 182 ± 9.0 |
| 1000.0 | 177 ± 10.8 |
| 3333.0 | 172 ± 13.0 |
| 10000.0 | 180 ± 6.1 |
| Trial Summary | Negative |
| Positive Control ² | |
| Positive Control ³ | 350 ± 22.0 |
| Positive Control ⁵ | |
| Positive Control ⁷ | |

Experiment Number: 701264

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: Decane

CAS Number: 124-18-5

Date Report Requested: 09/12/2018

Time Report Requested: 12:22:05

Strain: TA98

| Dose (ug/Plate) | Without S9 | Without S9 | With 10% Rat S9 | With 30% Rat S9 | With 10% Hamster S9 |
|-------------------------------|------------|------------|-----------------|-----------------|---------------------|
| Vehicle Control ¹ | 14 ± 1.8 | 19 ± 4.2 | 33 ± 2.6 | 26 ± 3.9 | 36 ± 1.7 |
| 100.0 | 12 ± 1.5 | 16 ± 2.0 | 30 ± 1.9 | 28 ± 1.5 | 25 ± 2.7 |
| 333.0 | 14 ± 0.9 | 13 ± 0.6 | 32 ± 2.5 | 23 ± 4.4 | 29 ± 2.1 |
| 1000.0 | 12 ± 1.7 | 15 ± 0.9 | 25 ± 4.2 | 19 ± 1.2 | 28 ± 2.5 |
| 3333.0 | 10 ± 2.4 | 15 ± 0.6 | 24 ± 2.8 | 22 ± 0.3 | 27 ± 3.1 |
| 10000.0 | 13 ± 1.0 | 15 ± 2.6 | 27 ± 3.4 | 22 ± 5.2 | 31 ± 2.4 |
| Trial Summary | Negative | Negative | Negative | Negative | Negative |
| Positive Control ² | | | | | 403 ± 23.2 |
| Positive Control ³ | | | 258 ± 31.4 | 94 ± 6.6 | |
| Positive Control ⁸ | 477 ± 9.8 | 489 ± 34.9 | | | |

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Strain: TA98

| Dose (ug/Plate) | With 30% Hamster S9 |
|-------------------------------|---------------------|
| Vehicle Control ¹ | 27 ± 2.5 |
| 100.0 | 26 ± 2.9 |
| 333.0 | 22 ± 1.0 |
| 1000.0 | 23 ± 1.3 |
| 3333.0 | 24 ± 2.8 |
| 10000.0 | 24 ± 4.8 |
| Trial Summary | Negative |
| Positive Control ² | |
| Positive Control ³ | 273 ± 4.0 |
| Positive Control ⁸ | |

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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: 100% Ethanol
- 2: 0.5 ug/Plate 2-Aminoanthracene
- 3: 1.0 ug/Plate 2-Aminoanthracene
- 4: 1.0 ug/Plate Sodium Azide
- 5: 2.5 ug/Plate 2-Aminoanthracene
- 6: 5.0 ug/Plate 2-Aminoanthracene
- 7: 50.0 ug/Plate 9-Aminoacridine
- 8: 2.5 ug/Plate 4-Nitro-O-Phenylenediamine

** END OF REPORT **