

Experiment Number: 133110

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

G06: Ames Summary Data

Test Compound: **Triphenyl phosphine**

CAS Number: **603-35-0**

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

Time Report Requested: **08:05:41**

NTP Study Number:

133110

Study Result:

Negative

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Mutagenicity

G06: Ames Summary Data

Test Compound: Triphenyl phosphine

CAS Number: 603-35-0

Date Report Requested: 09/12/2018

Time Report Requested: 08:05:41

Strain: TA100

| Dose (ug/Plate) | Without S9 | Without S9 | With 10% Rat S9 | With 10% Rat S9 | With 10% Hamster S9 |
|-------------------------------|------------------------|-----------------------|-----------------------|-----------------------|------------------------|
| Vehicle Control ¹ | 100 ± 1.2 | 86 ± 2.0 | 95 ± 10.4 | 87 ± 1.7 | 90 ± 6.0 |
| 89.0 | 105 ± 5.6 ^P | 88 ± 4.1 | 90 ± 7.4 ^P | 82 ± 1.9 | 87 ± 6.7 ^P |
| 285.0 | 90 ± 3.3 ^P | 80 ± 4.7 | 89 ± 8.7 ^P | 76 ± 4.6 | 100 ± 4.4 ^P |
| 854.0 | 90 ± 4.1 ^P | 88 ± 6.1 ^P | 83 ± 8.0 ^P | 83 ± 6.7 ^P | 92 ± 6.8 ^P |
| 2733.0 | 109 ± 7.9 ^P | 97 ± 5.8 ^P | 89 ± 8.7 ^P | 82 ± 2.3 ^P | 90 ± 5.2 ^P |
| 8200.0 | 87 ± 12.1 ^P | 92 ± 3.2 ^P | 83 ± 3.8 ^P | 91 ± 2.9 ^P | 84 ± 6.7 ^P |
| Trial Summary | Negative | Negative | Negative | Negative | Negative |
| Positive Control ² | | | | | 3008 ± 124.8 |
| Positive Control ³ | | | 1991 ± 103.5 | 1232 ± 22.9 | |
| Positive Control ⁴ | 1557 ± 21.4 | 1383 ± 57.0 | | | |

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Strain: TA100

| Dose (ug/Plate) | With 10% Hamster S9 |
|-------------------------------|----------------------------|
| Vehicle Control ¹ | 86 ± 4.4 |
| 89.0 | 85 ± 2.8 |
| 285.0 | 86 ± 4.2 |
| 854.0 | 86 ± 7.9 ^P |
| 2733.0 | 92 ± 3.5 ^P |
| 8200.0 | 90 ± 1.9 ^P |
| Trial Summary | Negative |
| Positive Control ² | 1816 ± 192.6 |
| Positive Control ³ | |
| Positive Control ⁴ | |

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Test Compound: Triphenyl phosphine

CAS Number: 603-35-0

Date Report Requested: 09/12/2018

Time Report Requested: 08:05:41

Strain: TA1535

| Dose (ug/Plate) | Without S9 | Without S9 | With 10% Rat S9 | With 10% Rat S9 | With 10% Hamster S9 |
|-------------------------------|------------------------|----------------------|-----------------------|----------------------|----------------------|
| Vehicle Control ¹ | 16 ± 1.9 | 11 ± 2.4 | 7 ± 1.2 | 7 ± 0.3 | 11 ± 1.9 |
| 89.0 | 11 ± 0.0 ^P | 9 ± 1.9 | 7 ± 2.1 ^P | 9 ± 1.5 | 9 ± 1.7 ^P |
| 285.0 | 24 ± 10.2 ^P | 9 ± 1.8 ^P | 7 ± 1.2 ^P | 8 ± 2.0 | 6 ± 0.9 ^P |
| 854.0 | 13 ± 3.6 ^P | 7 ± 3.4 ^P | 10 ± 1.2 ^P | 4 ± 1.5 ^P | 9 ± 1.2 ^P |
| 2733.0 | 11 ± 1.0 ^P | 4 ± 0.9 ^P | 8 ± 0.3 ^P | 7 ± 1.3 ^P | 8 ± 1.2 ^P |
| 8200.0 | 11 ± 1.7 ^P | 7 ± 1.5 ^P | 4 ± 0.0 ^P | 5 ± 1.2 ^P | 6 ± 0.9 ^P |
| Trial Summary | Negative | Negative | Negative | Negative | Negative |
| Positive Control ² | | | | | 154 ± 10.4 |
| Positive Control ³ | | | 84 ± 8.7 | 129 ± 8.8 | |
| Positive Control ⁴ | 1133 ± 5.6 | 769 ± 25.4 | | | |

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Strain: TA1535

| Dose (ug/Plate) | With 10% Hamster S9 |
|-------------------------------|----------------------------|
| Vehicle Control ¹ | 8 ± 0.9 |
| 89.0 | 8 ± 2.0 |
| 285.0 | 6 ± 2.3 |
| 854.0 | 7 ± 0.6 ^p |
| 2733.0 | 7 ± 0.6 ^p |
| 8200.0 | 9 ± 0.9 ^p |
| Trial Summary | Negative |
| Positive Control ² | 163 ± 18.8 |
| Positive Control ³ | |
| Positive Control ⁴ | |

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G06: Ames Summary Data

Test Compound: Triphenyl phosphine

CAS Number: 603-35-0

Date Report Requested: 09/12/2018

Time Report Requested: 08:05:41

Strain: TA1537

| Dose (ug/Plate) | Without S9 | Without S9 | With 10% Rat S9 | With 10% Rat S9 | With 10% Hamster S9 |
|-------------------------------|----------------------|----------------------|----------------------|----------------------|----------------------|
| Vehicle Control ¹ | 6 ± 1.0 | 3 ± 0.3 | 6 ± 1.9 | 5 ± 1.2 | 5 ± 0.3 |
| 89.0 | 6 ± 1.5 ^p | 4 ± 1.0 | 5 ± 0.6 ^p | 3 ± 1.7 | 6 ± 1.0 ^p |
| 285.0 | 7 ± 1.5 ^p | 3 ± 1.5 ^p | 4 ± 0.3 ^p | 2 ± 0.6 | 7 ± 0.9 ^p |
| 854.0 | 7 ± 1.5 ^p | 2 ± 1.0 ^p | 4 ± 1.0 ^p | 6 ± 0.9 ^p | 5 ± 0.9 ^p |
| 2733.0 | 6 ± 1.3 ^p | 2 ± 0.3 ^p | 3 ± 0.7 ^p | 1 ± 0.0 ^p | 5 ± 1.5 ^p |
| 8200.0 | 4 ± 0.3 ^p | 4 ± 0.9 ^p | 5 ± 1.2 ^p | 3 ± 0.9 ^p | 6 ± 1.3 ^p |
| Trial Summary | Negative | Negative | Negative | Negative | Negative |
| Positive Control ² | | | | | 136 ± 5.8 |
| Positive Control ³ | | | 81 ± 5.9 | 71 ± 6.7 | |
| Positive Control ⁵ | 406 ± 45.3 | 369 ± 24.0 | | | |

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Test Compound: **Triphenyl phosphine**

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Time Report Requested: **08:05:41**

Strain: TA1537

| Dose (ug/Plate) | With 10% Hamster S9 |
|-------------------------------|----------------------------|
| Vehicle Control ¹ | 5 ± 1.0 |
| 89.0 | 5 ± 1.5 |
| 285.0 | 4 ± 0.9 |
| 854.0 | 1 ± 0.9 ^P |
| 2733.0 | 5 ± 1.5 ^P |
| 8200.0 | 3 ± 0.9 ^P |
| Trial Summary | Negative |
| Positive Control ² | 140 ± 5.6 |
| Positive Control ³ | |
| Positive Control ⁵ | |

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Test Compound: Triphenyl phosphine

CAS Number: 603-35-0

Date Report Requested: 09/12/2018

Time Report Requested: 08:05:41

Strain: TA98

| Dose (ug/Plate) | Without S9 | Without S9 | With 10% Rat S9 | With 10% Rat S9 | With 10% Hamster S9 |
|-------------------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| Vehicle Control ¹ | 15 ± 2.0 | 13 ± 4.8 | 15 ± 1.5 | 14 ± 4.6 | 21 ± 3.2 |
| 89.0 | 17 ± 1.8 ^P | 14 ± 3.2 | 18 ± 2.2 ^P | 12 ± 0.9 | 19 ± 2.3 ^P |
| 285.0 | 13 ± 3.2 ^P | 14 ± 1.5 | 16 ± 1.7 ^P | 16 ± 4.9 ^P | 29 ± 4.3 ^P |
| 854.0 | 13 ± 2.3 ^P | 13 ± 0.9 | 22 ± 3.5 ^P | 14 ± 2.5 ^P | 22 ± 1.8 ^P |
| 2733.0 | 11 ± 2.2 ^P | 12 ± 4.1 ^P | 19 ± 2.1 ^P | 11 ± 3.7 ^P | 19 ± 0.6 ^P |
| 8200.0 | 6 ± 1.8 ^P | 12 ± 1.9 ^P | 17 ± 2.3 ^P | 11 ± 2.0 ^P | 16 ± 2.8 ^P |
| Trial Summary | Negative | Negative | Negative | Negative | Negative |
| Positive Control ² | | | | | 1926 ± 74.1 |
| Positive Control ³ | | | 1429 ± 29.7 | 1316 ± 37.0 | |
| Positive Control ⁶ | 1628 ± 35.5 | 1789 ± 26.9 | | | |

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Test Compound: **Triphenyl phosphine**

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

Time Report Requested: **08:05:41**

Strain: TA98

| Dose (ug/Plate) | With 10% Hamster S9 |
|-------------------------------|----------------------------|
| Vehicle Control ¹ | 14 ± 1.5 |
| 89.0 | 18 ± 3.3 |
| 285.0 | 13 ± 0.6 |
| 854.0 | 14 ± 3.3 ^P |
| 2733.0 | 12 ± 1.7 ^P |
| 8200.0 | 13 ± 1.0 ^P |
| Trial Summary | Negative |
| Positive Control ² | 2237 ± 91.1 |
| Positive Control ³ | |
| Positive Control ⁶ | |

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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: 2.5 ug/Plate Sodium Azide

5: 80.0 ug/Plate 9-Aminoacridine

6: 12.0 ug/Plate 4-Nitro-O-Phenylenediamine

p: Precipitate

**** END OF REPORT ****