Experiment Number: **333737**

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

**G06: Ames Summary Data**

Test Compound: **Sulfan blue**

CAS Number: **129-17-9**

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

Time Report Requested: **21:55:22**

**NTP Study Number:** 333737

**Study Result:** Positive

Experiment Number: **333737**

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

**G06: Ames Summary Data**

Test Compound: **Sulfan blue**

CAS Number: **129-17-9**

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

Time Report Requested: **21:55:22**

**Strain: TA100**

| Dose (ug/Plate) | Without S9 | With 10% Rat S9 | With 10% Hamster S9 |
|---|---|---|---|
| Vehicle Control[1] | 120 ± 11.5 | 154 ± 3.4 | 105 ± 9.3 |
| 100.0 | 140 ± 7.7 | 145 ± 14.1 | 139 ± 5.6 |
| 333.0 | 138 ± 11.9 | 155 ± 4.3 | 153 ± 12.8 |
| 1000.0 | 136 ± 2.6 | 159 ± 4.6 | 168 ± 4.7 |
| 3333.0 | 141 ± 7.0 | 154 ± 9.6 | 155 ± 3.7 |
| 10000.0 | 98 ± 15.5 | 116 ± 4.9 | 124 ± 9.9 |
| Trial Summary | Negative | Negative | Negative |
| Positive Control[2] | | 445 ± 37.5 | 735 ± 17.1 |
| Positive Control[3] | 422 ± 16.8 | | |

Experiment Number: **333737**

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

**G06: Ames Summary Data**

Test Compound: **Sulfan blue**

CAS Number: **129-17-9**

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

Time Report Requested: **21:55:22**

**Strain: TA1535**

| Dose (ug/Plate) | Without S9 | Without S9 | With 10% Rat S9 | With 10% Hamster S9 |
|---|---|---|---|---|
| Vehicle Control[1] | 41 ± 0.7 | 30 ± 2.1 | 12 ± 0.3 | 11 ± 3.5 |
| 100.0 | 57 ± 2.9 | 30 ± 3.9 | 13 ± 0.6 | 11 ± 4.3 |
| 333.0 | 51 ± 3.9 | 29 ± 7.3 | 17 ± 1.2 | 9 ± 1.5 |
| 1000.0 | 51 ± 5.4 | 24 ± 2.6 | 14 ± 3.5 | 13 ± 2.6 |
| 3333.0 | 56 ± 5.6 | 27 ± 2.0 | 13 ± 2.7 | 9 ± 2.9 |
| 10000.0 | 41 ± 1.5 | 31 ± 3.8 | 11 ± 1.0 | 6 ± 0.6 |
| Trial Summary | Negative | Negative | Negative | Negative |
| Positive Control[3] | 537 ± 7.8 | 324 ± 21.2 | | |
| Positive Control[4] | | | 175 ± 8.9 | 379 ± 23.6 |

Experiment Number: **333737**

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

**G06: Ames Summary Data**

Test Compound: **Sulfan blue**

CAS Number: **129-17-9**

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

Time Report Requested: **21:55:22**

**Strain: TA1537**

| Dose (ug/Plate) | Without S9 | With 10% Rat S9 | With 10% Hamster S9 |
|---|---|---|---|
| Vehicle Control[1] | 10 ± 1.8 | 10 ± 2.7 | 6 ± 0.3 |
| 100.0 | 9 ± 2.6 | 11 ± 2.1 | 12 ± 1.7 |
| 333.0 | 10 ± 1.2 | 14 ± 3.0 | 15 ± 2.8 |
| 1000.0 | 9 ± 1.8 | 15 ± 0.9 | 10 ± 2.7 |
| 3333.0 | 10 ± 1.7 | 16 ± 0.9 | 14 ± 0.6 |
| 10000.0 | 5 ± 0.6 | 10 ± 1.7 | 10 ± 2.6 |
| Trial Summary | Negative | Negative | Negative |
| Positive Control[4] | | 182 ± 3.0 | 343 ± 21.8 |
| Positive Control[5] | 261 ± 19.1 | | |

Experiment Number: **333737**

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

**G06: Ames Summary Data**

Test Compound: **Sulfan blue**

CAS Number: **129-17-9**

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

Time Report Requested: **21:55:22**

**Strain: TA98**

| Dose (ug/Plate) | Without S9 | With 10% Rat S9 | With 10% Rat S9 | With 10% Rat S9 | With 10% Hamster S9 |
|---|---|---|---|---|---|
| Vehicle Control[1] | 23 ± 4.0 | 47 ± 2.8 | 25 ± 3.2 | 25 ± 3.5 | 21 ± 1.2 |
| 100.0 | 23 ± 2.0 | 39 ± 7.2 | 31 ± 3.2 | 24 ± 3.3 | 49 ± 2.9 |
| 333.0 | 24 ± 1.5 | 47 ± 7.3 | 26 ± 6.2 | 40 ± 1.2 | 43 ± 6.2 |
| 1000.0 | 19 ± 1.9 | 51 ± 4.3 | 47 ± 2.1 | 37 ± 3.5 | 82 ± 1.9 |
| 3333.0 | 18 ± 0.6 | 84 ± 4.3 | 78 ± 7.4 | 79 ± 3.6 | 178 ± 3.8 |
| 10000.0 | 17 ± 2.6 | 32 ± 4.8 | 19 ± 7.3 | 32 ± 8.3 | 31 ± 2.0 |
| Trial Summary | Negative | Equivocal | Positive | Equivocal | Positive |
| Positive Control[2] | | 300 ± 8.0 | 404 ± 29.7 | 496 ± 76.4 | 631 ± 38.6 |
| Positive Control[6] | 871 ± 26.2 | | | | |

Experiment Number: **333737**

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

**G06: Ames Summary Data**

Test Compound: **Sulfan blue**

CAS Number: **129-17-9**

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

Time Report Requested: **21:55:22**

**Strain: TA98**

| Dose (ug/Plate) | With 10% Hamster S9 | With 10% Hamster S9 |
|---|---|---|
| Vehicle Control[1] | 28 ± 6.4 | 26 ± 6.7 |
| 100.0 | 39 ± 2.2 | 28 ± 4.4 |
| 333.0 | 40 ± 1.5 | 42 ± 3.2 |
| 1000.0 | 79 ± 3.2 | 66 ± 6.1 |
| 3333.0 | 154 ± 21.5 | 109 ± 21.1 |
| 10000.0 | 100 ± 41.0 | 18 ± 1.2 |
| Trial Summary | Positive | Positive |
| Positive Control[2] | 1444 ± 62.5 | 1026 ± 43.8 |
| 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: Water
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

** END OF REPORT **