Experiment Number: **628962**

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

**G06: Ames Summary Data**

Test Compound: **Colchicine**

CAS Number: **64-86-8**

Date Report Requested: **09/10/2018**

Time Report Requested: **17:05:59**

**NTP Study Number:** 628962

**Study Result:** Negative

Experiment Number: **628962**

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

**G06: Ames Summary Data**

Test Compound: **Colchicine**

CAS Number: **64-86-8**

Date Report Requested: **09/10/2018**

Time Report Requested: **17:05:59**

**Strain: TA100**

| Dose (ug/Plate) | Without S9 | Without S9 | With 10% Rat S9 | With 10% Rat S9 | With 10% Hamster S9 |
|---|---|---|---|---|---|
| Vehicle Control[1] | 154 ± 3.2 | 131 ± 5.0 | 146 ± 9.0 | 145 ± 10.4 | 147 ± 7.5 |
| 100.0 | 129 ± 5.8 | 134 ± 9.5 | 132 ± 8.8 | 135 ± 6.2 | 140 ± 0.9 |
| 333.0 | 127 ± 9.8 | 145 ± 7.8 | 136 ± 6.4 | 142 ± 10.7 | 139 ± 7.5 |
| 1000.0 | 136 ± 7.0 | 132 ± 7.2 | 149 ± 1.5 | 138 ± 4.2 | 134 ± 8.4 |
| 3333.0 | 115 ± 5.3 | 139 ± 9.9 | 131 ± 3.7 | 140 ± 5.2 | 140 ± 7.0 |
| 10000.0 | 123 ± 9.6 | 137 ± 2.7 | 125 ± 11.4 | 136 ± 3.2 | 131 ± 5.9 |
| Trial Summary | Negative | Negative | Negative | Negative | Negative |
| Positive Control[2] | | | | | 1136 ± 6.4 |
| Positive Control[3] | | | 1125 ± 36.6 | 1081 ± 27.4 | |
| Positive Control[4] | 1075 ± 75.7 | 906 ± 82.0 | | | |

Experiment Number: **628962**

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

**G06: Ames Summary Data**

Test Compound: **Colchicine**

CAS Number: **64-86-8**

Date Report Requested: **09/10/2018**

Time Report Requested: **17:05:59**

**Strain: TA100**

| Dose (ug/Plate) | With 10% Hamster S9 |
|---|---|
| Vehicle Control[1] | 187 ± 6.6 |
| 100.0 | 185 ± 8.2 |
| 333.0 | 198 ± 7.0 |
| 1000.0 | 184 ± 8.0 |
| 3333.0 | 176 ± 2.2 |
| 10000.0 | 178 ± 3.4 |
| Trial Summary | Negative |
| Positive Control[2] | 938 ± 29.3 |
| Positive Control[3] | |
| Positive Control[4] | |

Experiment Number: **628962**

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

**G06: Ames Summary Data**

Test Compound: **Colchicine**

CAS Number: **64-86-8**

Date Report Requested: **09/10/2018**

Time Report Requested: **17:05:59**

**Strain: TA1535**

| Dose (ug/Plate) | Without S9 | Without S9 | With 10% Rat S9 | With 10% Rat S9 | With 10% Hamster S9 |
|---|---|---|---|---|---|
| Vehicle Control[1] | 35 ± 1.7 | 22 ± 3.6 | 21 ± 3.2 | 12 ± 2.6 | 19 ± 0.0 |
| 100.0 | 22 ± 2.6 | 21 ± 2.6 | 14 ± 2.3 | 15 ± 2.0 | 16 ± 1.2 |
| 333.0 | 24 ± 2.3 | 20 ± 2.0 | 14 ± 2.6 | 16 ± 4.2 | 18 ± 2.7 |
| 1000.0 | 27 ± 1.5 | 24 ± 3.6 | 22 ± 6.2 | 16 ± 1.5 | 19 ± 3.7 |
| 3333.0 | 26 ± 1.9 | 22 ± 2.0 | 20 ± 0.9 | 13 ± 1.9 | 17 ± 4.1 |
| 10000.0 | 23 ± 2.6 | 25 ± 3.2 | 14 ± 1.5 | 12 ± 2.2 | 16 ± 3.3 |
| Trial Summary | Negative | Negative | Negative | Negative | Negative |
| Positive Control[2] | | | | | 103 ± 3.4 |
| Positive Control[3] | | | 82 ± 2.3 | 84 ± 9.0 | |
| Positive Control[4] | 888 ± 18.7 | 774 ± 32.4 | | | |

Experiment Number: **628962**

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

**G06: Ames Summary Data**

Test Compound: **Colchicine**

CAS Number: **64-86-8**

Date Report Requested: **09/10/2018**

Time Report Requested: **17:05:59**

**Strain: TA1535**

| Dose (ug/Plate) | With 10% Hamster S9 |
|---|---|
| Vehicle Control[1] | 13 ± 0.6 |
| 100.0 | 12 ± 1.2 |
| 333.0 | 17 ± 2.5 |
| 1000.0 | 13 ± 2.6 |
| 3333.0 | 13 ± 4.4 |
| 10000.0 | 10 ± 1.2 |
| Trial Summary | Negative |
| Positive Control[2] | 73 ± 3.2 |
| Positive Control[3] | |
| Positive Control[4] | |

Experiment Number: **628962**

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

**G06: Ames Summary Data**

Test Compound: **Colchicine**

CAS Number: **64-86-8**

Date Report Requested: **09/10/2018**

Time Report Requested: **17:05:59**

**Strain: TA1537**

| Dose (ug/Plate) | Without S9 | Without S9 | With 10% Rat S9 | With 10% Rat S9 | With 10% Hamster S9 |
|---|---|---|---|---|---|
| Vehicle Control[1] | 5 ± 2.2 | 6 ± 0.7 | 9 ± 0.7 | 7 ± 0.9 | 10 ± 1.7 |
| 100.0 | 6 ± 0.3 | 6 ± 0.7 | 7 ± 0.9 | 8 ± 1.9 | 8 ± 1.5 |
| 333.0 | 4 ± 1.2 | 5 ± 1.3 | 12 ± 2.0 | 6 ± 0.6 | 10 ± 1.5 |
| 1000.0 | 7 ± 1.7 | 4 ± 0.9 | 12 ± 2.9 | 8 ± 0.3 | 7 ± 0.9 |
| 3333.0 | 8 ± 1.5 | 4 ± 1.2 | 10 ± 0.9 | 6 ± 0.9 | 9 ± 0.6 |
| 10000.0 | 5 ± 0.7 | 6 ± 2.0 | 11 ± 2.2 | 5 ± 2.2 | 6 ± 0.6 |
| Trial Summary | Negative | Negative | Negative | Negative | Negative |
| Positive Control[2] | | | | | 117 ± 6.8 |
| Positive Control[3] | | | 101 ± 12.5 | 108 ± 5.5 | |
| Positive Control[5] | 510 ± 23.1 | 440 ± 9.4 | | | |

Experiment Number: **628962**

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

**G06: Ames Summary Data**

Test Compound: **Colchicine**

CAS Number: **64-86-8**

Date Report Requested: **09/10/2018**

Time Report Requested: **17:05:59**

**Strain: TA1537**

| Dose (ug/Plate) | With 10% Hamster S9 |
|---|---|
| Vehicle Control[1] | 8 ± 2.2 |
| 100.0 | 8 ± 1.0 |
| 333.0 | 8 ± 2.0 |
| 1000.0 | 9 ± 0.3 |
| 3333.0 | 7 ± 0.3 |
| 10000.0 | 9 ± 1.0 |
| Trial Summary | Negative |
| Positive Control[2] | 94 ± 1.2 |
| Positive Control[3] | |
| Positive Control[5] | |

Experiment Number: **628962**

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

**G06: Ames Summary Data**

Test Compound: **Colchicine**

CAS Number: **64-86-8**

Date Report Requested: **09/10/2018**

Time Report Requested: **17:05:59**

**Strain: TA98**

| Dose (ug/Plate) | Without S9 | Without S9 | With 10% Rat S9 | With 10% Rat S9 | With 10% Hamster S9 |
|---|---|---|---|---|---|
| Vehicle Control[1] | 21 ± 2.7 | 19 ± 0.6 | 31 ± 5.4 | 21 ± 4.7 | 25 ± 1.2 |
| 100.0 | 16 ± 2.0 | 15 ± 1.5 | 24 ± 3.8 | 23 ± 4.7 | 32 ± 1.5 |
| 333.0 | 18 ± 1.5 | 14 ± 1.7 | 28 ± 3.2 | 22 ± 0.9 | 28 ± 2.6 |
| 1000.0 | 16 ± 2.8 | 20 ± 0.6 | 27 ± 3.5 | 25 ± 2.2 | 26 ± 2.2 |
| 3333.0 | 16 ± 1.5 | 18 ± 1.8 | 25 ± 1.5 | 20 ± 1.9 | 30 ± 2.3 |
| 6667.0 | | | | | |
| 10000.0 | 15 ± 0.6 | 20 ± 2.9 | 23 ± 4.0 | 25 ± 2.9 | 28 ± 7.0 |
| Trial Summary | Negative | Negative | Negative | Negative | Negative |
| Positive Control[2] | | | | | 1126 ± 14.4 |
| Positive Control[3] | | | 988 ± 47.5 | 1030 ± 10.7 | |
| Positive Control[6] | 1271 ± 30.0 | 1548 ± 61.3 | | | |

Experiment Number: **628962**

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

**G06: Ames Summary Data**

Test Compound: **Colchicine**

CAS Number: **64-86-8**

Date Report Requested: **09/10/2018**

Time Report Requested: **17:05:59**

**Strain: TA98**

| Dose (ug/Plate) | With 10% Hamster S9 | With 10% Hamster S9 |
|---|---|---|
| Vehicle Control[1] | 25 ± 1.2 | 34 ± 2.2 |
| 100.0 | 34 ± 2.2 | |
| 333.0 | 34 ± 4.7 | 31 ± 2.4 |
| 1000.0 | 24 ± 4.6 | 32 ± 3.5 |
| 3333.0 | 25 ± 2.6 | 33 ± 3.8 |
| 6667.0 | | 21 ± 0.7 |
| 10000.0 | 42 ± 0.9 | 34 ± 3.2 |
| Trial Summary | Equivocal | Negative |
| Positive Control[2] | 987 ± 15.3 | 529 ± 27.9 |
| Positive Control[3] | | |
| 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: 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

** END OF REPORT **