Experiment Number: **122120**
Test Type: **Genetic Toxicology - Micronucleus**
Route: **Intraperitoneal Injection**
Species/Strain: **Mouse/B6C3F1**

**G04: In Vivo Micronucleus Summary Data**
Test Compound: **C.I. Acid Orange 10**
CAS Number: **1936-15-8**

Date Report Requested: **09/19/2018**
Time Report Requested: **12:45:16**

| | |
|---|---|
| **NTP Study Number:** | 122120 |
| **Study Duration:** | 72 Hours |
| **Study Methodology:** | Slide Scoring |
| **Male Study Result:** | Negative |

Experiment Number: **122120**

Test Type: **Genetic Toxicology - Micronucleus**

Route: **Intraperitoneal Injection**

Species/Strain: **Mouse/B6C3F1**

**G04: In Vivo Micronucleus Summary Data**

Test Compound: **C.I. Acid Orange 10**

CAS Number: **1936-15-8**

Date Report Requested: **09/19/2018**

Time Report Requested: **12:45:16**

**Tissue: Blood; Sex: Male; Number of Treatments: 3; Time interval between final treatment and cell sampling: 24 h**

| | | MN PCE/1000 | | % PCE |
|---|---|---|---|---|
| **Dose (mg/kg)** | **N** | **Mean ± SEM** | **p-Value** | **Mean ± SEM** |
| Vehicle Control[1] | 5 | 2.20 ± 0.25 | | 4.62 ± 0.90 |
| 500.0 | 5 | 2.30 ± 0.64 | 0.4407 | 3.88 ± 0.41 |
| 1000.0 | 4 | 1.50 ± 0.54 | 0.8588 | 3.40 ± 0.11 |
| 2000.0 | 5 | 2.80 ± 0.41 | 0.1978 | 4.64 ± 0.72 |
| Trend p-Value | | 0.2080 | | |
| Positive Control[2] | 5 | 7.60 ± 0.83 | < 0.001 * | 3.46 ± 0.67 |

Trial Summary: Negative

Experiment Number: **122120**

Test Type: **Genetic Toxicology - Micronucleus**

Route: **Intraperitoneal Injection**

Species/Strain: **Mouse/B6C3F1**

**G04: In Vivo Micronucleus Summary Data**

Test Compound: **C.I. Acid Orange 10**

CAS Number: **1936-15-8**

Date Report Requested: **09/19/2018**

Time Report Requested: **12:45:16**

**Tissue: Blood; Sex: Male; Number of Treatments: 3; Time interval between final treatment and cell sampling: 24 h**

| | | MN PCE/1000 | | % PCE |
|---|---|---|---|---|
| **Dose (mg/kg)** | **N** | **Mean ± SEM** | **p-Value** | **Mean ± SEM** |
| Vehicle Control[1] | 5 | 3.30 ± 0.41 | | 4.34 ± 0.33 |
| 2000.0 | 5 | 4.10 ± 0.75 | 0.1757 | 4.92 ± 0.39 |
| 2500.0 | 5 | 3.00 ± 0.65 | 0.6475 | 5.02 ± 0.40 |
| 3000.0 | 5 | 4.60 ± 0.91 | 0.0714 | 7.28 ± 1.44 |
| Trend p-Value | | 0.1620 | | |
| Positive Control[2] | 5 | 6.20 ± 0.72 | 0.0014 * | 4.20 ± 0.50 |

Trial Summary: Negative

Experiment Number: **122120**

Test Type: **Genetic Toxicology - Micronucleus**

Route: **Intraperitoneal Injection**

Species/Strain: **Mouse/B6C3F1**

**G04: In Vivo Micronucleus Summary Data**

Test Compound: **C.I. Acid Orange 10**

CAS Number: **1936-15-8**

Date Report Requested: **09/19/2018**

Time Report Requested: **12:45:16**

**Tissue: Bone marrow; Sex: Male; Number of Treatments: 3; Time interval between final treatment and cell sampling: 24 h**

| | | MN PCE/1000 | | % PCE |
|---|---|---|---|---|
| **Dose (mg/kg)** | **N** | **Mean ± SEM** | **p-Value** | **Mean ± SEM** |
| Vehicle Control[1] | 5 | 3.10 ± 0.37 | | 57.90 ± 2.38 |
| 500.0 | 5 | 2.50 ± 0.47 | 0.7890 | 53.90 ± 1.64 |
| 1000.0 | 4 | 4.38 ± 0.83 | 0.0798 | 59.38 ± 3.53 |
| 2000.0 | 5 | 3.00 ± 0.61 | 0.5510 | 56.50 ± 4.72 |
| Trend p-Value | | 0.3860 | | |
| Positive Control[2] | 5 | 11.20 ± 0.56 | < 0.001 * | 52.40 ± 4.04 |

Trial Summary: Negative

Experiment Number: **122120**

Test Type: **Genetic Toxicology - Micronucleus**

Route: **Intraperitoneal Injection**

Species/Strain: **Mouse/B6C3F1**

**G04: In Vivo Micronucleus Summary Data**

Test Compound: **C.I. Acid Orange 10**

CAS Number: **1936-15-8**

Date Report Requested: **09/19/2018**

Time Report Requested: **12:45:16**

**Tissue: Bone marrow; Sex: Male; Number of Treatments: 3; Time interval between final treatment and cell sampling: 24 h**

| | | MN PCE/1000 | | % PCE |
|---|---|---|---|---|
| **Dose (mg/kg)** | **N** | **Mean ± SEM** | **p-Value** | **Mean ± SEM** |
| Vehicle Control[1] | 5 | 2.30 ± 0.72 | | 63.00 ± 3.67 |
| 2000.0 | 5 | 3.00 ± 0.69 | 0.2644 | 60.20 ± 3.54 |
| 2500.0 | 5 | 1.20 ± 0.41 | 0.8882 | 62.50 ± 3.47 |
| 3000.0 | 5 | 2.70 ± 1.06 | 0.3555 | 58.80 ± 3.14 |
| Trend p-Value | | 0.5360 | | |
| Positive Control[2] | 5 | 4.70 ± 0.56 | 0.0020 * | 58.50 ± 1.79 |

Trial Summary: Negative

LEGEND

MN = micronucleated, PCE = polychromatic erythrocyte, NCE = normochromatic erythrocyte
CAS Number = Chemical Abstracts Service registry number
N = Number of subjects
Values given as Mean or Mean ± Standard Error Mean
Results were tabulated as the mean of the pooled results from all animals within a treatment group, plus or minus the standard error of the mean
Pairwise comparison to the concurrent control, dosed groups significant at p = 0.025/number of treatment groups; positive control value is significant at p = 0.05
Cochran-Armitage trend test, significant at p = 0.025
* Statistically significant pairwise or trend test
1: Vehicle Control: Phosphate Buffered Saline
2: 0.2 mg/kg Mitomycin-C

** END OF REPORT **