Experiment Number: **G04048**
Test Type: **Genetic Toxicology - Micronucleus**
Route: **Gavage**
Species/Strain: **Rat/Harlan Sprague Dawley**

**G04: In Vivo Micronucleus Summary Data**
Test Compound: **Perfluorohexanoic acid (PFHXA)**
CAS Number: **307-24-4**

Date Report Requested: **09/23/2018**
Time Report Requested: **11:36:55**

| | |
|---|---|
| **NTP Study Number:** | G04048 |
| **Study Duration:** | 28 Days |
| **Study Methodology:** | Flow Cytometry |
| **Male Study Result:** | Equivocal |
| **Female Study Result:** | Negative |

Experiment Number: **G04048**

Test Type: **Genetic Toxicology - Micronucleus**

Route: **Gavage**

Species/Strain: **Rat/Harlan Sprague Dawley**

**G04: In Vivo Micronucleus Summary Data**

Test Compound: **Perfluorohexanoic acid (PFHXA)**

CAS Number: **307-24-4**

Date Report Requested: **09/23/2018**

Time Report Requested: **11:36:55**

**Tissue: Blood; Sex: Male; Number of Treatments: 56; Time interval between final treatment and cell sampling: 24 h**

| | | MN PCE/1000 | | | MN NCE/1000 | | % PCE | |
|---|---|---|---|---|---|---|---|---|
| **Dose (mg/kg)** | **N** | **Mean ± SEM** | **p-Value** | **N** | **Mean ± SEM** | **p-Value** | **Mean ± SEM** | **p-Value** |
| Vehicle Control[1] | 5 | 0.570 ± 0.082 | | 5 | 0.128 ± 0.019 | | 1.058 ± 0.009 | |
| 31.3 | 5 | 0.510 ± 0.056 | 1.0000 | 5 | 0.105 ± 0.013 | 1.0000 | 1.016 ± 0.035 | 1.0000 |
| 62.5 | 5 | 0.800 ± 0.096 | 0.2800 | 5 | 0.092 ± 0.021 | 1.0000 | 0.739 ± 0.078 | 1.0000 |
| 125.0 | 5 | 0.450 ± 0.045 | 1.0000 | 5 | 0.073 ± 0.016 | 1.0000 | 1.187 ± 0.103 | 0.8186 |
| 250.0 | 5 | 0.580 ± 0.037 | 1.0000 | 5 | 0.095 ± 0.031 | 1.0000 | 3.788 ± 1.334 | < 0.001 * |
| 500.0 | 5 | 1.040 ± 0.179 | 0.0658 | 5 | 0.177 ± 0.044 | 1.0000 | 15.124 ± 3.166 | < 0.001 * |
| Trend p-Value | | 0.0254 * | | | 0.7822 | | < 0.001 * | |

Trial Summary: Equivocal

Experiment Number: **G04048**

Test Type: **Genetic Toxicology - Micronucleus**

Route: **Gavage**

Species/Strain: **Rat/Harlan Sprague Dawley**

**G04: In Vivo Micronucleus Summary Data**

Test Compound: **Perfluorohexanoic acid (PFHXA)**

CAS Number: **307-24-4**

Date Report Requested: **09/23/2018**

Time Report Requested: **11:36:55**

**Tissue: Blood; Sex: Female; Number of Treatments: 56; Time interval between final treatment and cell sampling: 24 h**

| | | MN PCE/1000 | | | MN NCE/1000 | | % PCE | |
|---|---|---|---|---|---|---|---|---|
| **Dose (mg/kg)** | **N** | **Mean ± SEM** | **p-Value** | **N** | **Mean ± SEM** | **p-Value** | **Mean ± SEM** | **p-Value** |
| Vehicle Control[1] | 5 | 0.678 ± 0.029 | | 5 | 0.064 ± 0.005 | | 0.762 ± 0.119 | |
| 31.3 | 5 | 0.750 ± 0.079 | 0.7848 | 5 | 0.065 ± 0.006 | 1.0000 | 0.700 ± 0.087 | 1.0000 |
| 62.5 | 5 | 0.560 ± 0.078 | 0.8609 | 5 | 0.058 ± 0.017 | 1.0000 | 0.906 ± 0.130 | 0.4650 |
| 125.0 | 5 | 0.480 ± 0.093 | 0.8873 | 5 | 0.079 ± 0.034 | 1.0000 | 1.303 ± 0.164 | 0.0166 * |
| 250.0 | 5 | 0.400 ± 0.069 | 0.8992 | 5 | 0.042 ± 0.004 | 1.0000 | 2.574 ± 0.579 | < 0.001 * |
| 500.0 | 5 | 0.860 ± 0.156 | 0.1165 | 5 | 0.181 ± 0.055 | 0.3769 | 5.355 ± 0.649 | < 0.001 * |
| Trend p-Value | | 0.1625 | | | 0.4495 | | < 0.001 * | |

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
Pairwise comparison with the control group; values are significant at P <= 0.025 by Williams or Dunn's test
Dose-related trend; significant at P <= 0.025 by linear regression or Jonckheere's test
* Statistically significant pairwise or trend test
1: Vehicle Control: Deionized Water with 2% Tween 80

** END OF REPORT **