Experiment Number: **A59682**
Test Type: **Genetic Toxicology - Micronucleus**
Route: **Inhalation**
Species/Strain: **Mouse/B6C3F1**

**G04: In Vivo Micronucleus Summary Data**
Test Compound: **Vanadium pentoxide**
CAS Number: **1314-62-1**

Date Report Requested: **09/20/2018**
Time Report Requested: **21:40:57**

| | |
|---|---|
| **NTP Study Number:** | A59682 |
| **Study Duration:** | 13 Weeks |
| **Study Methodology:** | Slide Scoring |
| **Male Study Result:** | Negative |
| **Female Study Result:** | Negative |

Experiment Number: **A59682**

Test Type: **Genetic Toxicology - Micronucleus**

Route: **Inhalation**

Species/Strain: **Mouse/B6C3F1**

**G04: In Vivo Micronucleus Summary Data**

Test Compound: **Vanadium pentoxide**

CAS Number: **1314-62-1**

Date Report Requested: **09/20/2018**

Time Report Requested: **21:40:57**

**Tissue: Blood; Sex: Male; Number of Treatments: 65; Time interval between final treatment and cell sampling: 24 h**

| | | MN NCE/1000 | |
|---|---|---|---|
| **Dose (mg/m3)** | **N** | **Mean ± SEM** | **p-Value** |
| Vehicle Control[1] | 10 | 1.00 ± 0.15 | |
| 1.0 | 10 | 1.10 ± 0.16 | 0.3787 |
| 2.0 | 10 | 0.60 ± 0.15 | 0.9214 |
| 4.0 | 10 | 0.95 ± 0.24 | 0.5636 |
| 8.0 | 10 | 0.95 ± 0.16 | 0.5636 |
| 16.0 | 9 | 1.00 ± 0.22 | 0.5000 |
| Trend p-Value | | 0.4020 | |

Trial Summary: Negative

Experiment Number: **A59682**

Test Type: **Genetic Toxicology - Micronucleus**

Route: **Inhalation**

Species/Strain: **Mouse/B6C3F1**

**G04: In Vivo Micronucleus Summary Data**

Test Compound: **Vanadium pentoxide**

CAS Number: **1314-62-1**

Date Report Requested: **09/20/2018**

Time Report Requested: **21:40:57**

**Tissue: Blood; Sex: Female; Number of Treatments: 65; Time interval between final treatment and cell sampling: 24 h**

| | | MN NCE/1000 | |
|---|---|---|---|
| **Dose (mg/m3)** | **N** | **Mean ± SEM** | **p-Value** |
| Vehicle Control[1] | 10 | 0.50 ± 0.11 | |
| 1.0 | 10 | 0.45 ± 0.16 | 0.5907 |
| 2.0 | 10 | 0.70 ± 0.11 | 0.2070 |
| 4.0 | 10 | 0.40 ± 0.16 | 0.6814 |
| 8.0 | 10 | 0.35 ± 0.11 | 0.7666 |
| 16.0 | 10 | 0.40 ± 0.12 | 0.6814 |
| Trend p-Value | | 0.8120 | |

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: Air

** END OF REPORT **