

Experiment Number: **G07009B**

Test Type: **Genetic Toxicology - Micronucleus**

Route: **Inhalation**

Species/Strain: **Mouse/B6C3F1**

G04: In Vivo Micronucleus Summary Data

Test Compound: **Nanoscale material (Fullerene-C60 50 nanometers)**

CAS Number: **99685-96-8**

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

Time Report Requested: **13:07:55**

NTP Study Number:

G07009B

Study Duration:

13 Weeks

Study Methodology:

Flow Cytometry

Male Study Result:

Negative

Female Study Result:

Negative

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CAS Number: 99685-96-8

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Tissue: Blood; Sex: Male; Number of Treatments: 91; Time interval between final treatment and cell sampling: 24 h

| Dose (mg/m3) | N | MN PCE/1000 | | N | MN NCE/1000 | | % PCE | |
|------------------------------|---|---------------|---------|---|---------------|---------|---------------|---------|
| | | Mean ± SEM | p-Value | | Mean ± SEM | p-Value | Mean ± SEM | p-Value |
| Vehicle Control ¹ | 5 | 2.420 ± 0.222 | | 5 | 1.539 ± 0.082 | | 1.559 ± 0.061 | |
| 0.5 | 5 | 2.330 ± 0.087 | 0.5650 | 5 | 1.483 ± 0.023 | 0.7532 | 1.683 ± 0.075 | 0.3172 |
| 2.0 | 5 | 2.500 ± 0.224 | 0.4558 | 5 | 1.443 ± 0.022 | 0.8323 | 1.615 ± 0.047 | 0.3813 |
| Trend p-Value | | 0.3272 | | | 0.8893 | | 0.7640 | |

Trial Summary: Negative

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Time Report Requested: 13:07:55

Tissue: Blood; Sex: Female; Number of Treatments: 91; Time interval between final treatment and cell sampling: 24 h

| Dose (mg/m3) | N | MN PCE/1000 | | N | MN NCE/1000 | | % PCE | |
|------------------------------|---|---------------|---------|---|---------------|---------|---------------|---------|
| | | Mean ± SEM | p-Value | | Mean ± SEM | p-Value | Mean ± SEM | p-Value |
| Vehicle Control ¹ | 5 | 2.030 ± 0.082 | | 5 | 1.045 ± 0.026 | | 1.583 ± 0.104 | |
| 0.5 | 5 | 1.920 ± 0.221 | 0.7029 | 5 | 1.017 ± 0.014 | 0.6615 | 1.741 ± 0.044 | 0.5777 |
| 2.0 | 5 | 1.770 ± 0.141 | 0.7871 | 5 | 1.093 ± 0.027 | 0.1005 | 1.715 ± 0.206 | 1.0000 |
| Trend p-Value | | 0.8717 | | | 0.0433 | | 0.6345 | |

Trial Summary: Negative

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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 \pm Standard Error Mean

Pairwise comparison with the control group; values are significant at $P \leq 0.025$ by Williams or Dunn's test

Dose-related trend; significant at $P \leq 0.025$ by linear regression or Jonckheere's test

* Statistically significant pairwise or trend test

1: Vehicle Control: Air

**** END OF REPORT ****