

M03: Peripheral Blood Leukocyte Cell Differential

Study Number: I07062C

DTTID: 108-006-008-000-3

Study Type: Immune screening

Species/Strain: Mouse/B6C3F1/N

Test Compound: 1020 Long Multiwalled Carbon Nanotubes

CAS Number: L-MWNT-1020

DTXSID: DTXSID601356181

Date: 29 Aug 2024

Time: 4:00:49 PM

Females: Immunopath

	Treatment Groups				
	0 mg/m ³	0.06 mg/m ³	0.2 mg/m ³	0.6 mg/m ³	50 mg/kg CPS
Leukocytes (x10 ³ /μL)	9.186 ± 0.484[8]*	9.223 ± 0.356[6]	8.253 ± 0.450[8]	7.523 ± 0.852[8]	2.870 ± 0.572[7]**
Absolute counts					
Lymphocytes (x10 ³ /μL)	7.378 ± 0.388[8]*	7.627 ± 0.254[6]	6.694 ± 0.359[8]	5.954 ± 0.713[8]	2.775 ± 0.600[6]**
Neutrophils (x10 ³ /μL)	0.969 ± 0.068[8]	0.833 ± 0.109[6]	0.899 ± 0.095[8]	1.168 ± 0.176[8]	0.202 ± 0.075[6]**
Monocytes (x10 ³ /μL)	0.084 ± 0.007[8]	0.075 ± 0.017[6]	0.090 ± 0.018[8]	0.066 ± 0.027[8]	0.000 ± 0.000[7]**
Eosinophils (x10 ³ /μL)	0.574 ± 0.055[8]	0.503 ± 0.128[6]	0.439 ± 0.106[8]	0.276 ± 0.128[8]	0.000 ± 0.000[7]**
Basophils (x10 ³ /μL)	0.061 ± 0.010[8]*	0.062 ± 0.015[6]	0.061 ± 0.018[8]	0.023 ± 0.009[8]	0.000 ± 0.000[7]**
Large Unstained Cells (x10 ³ /μL)	0.120 ± 0.033[8]**	0.127 ± 0.036[6]	0.068 ± 0.017[8]	0.036 ± 0.014[8]*	0.000 ± 0.000[7]**
Relative counts					
Percent Lymphocytes (%)	80.41 ± 1.08[8]	82.95 ± 2.70[6]	81.45 ± 2.44[8]	78.83 ± 2.38[8]	93.67 ± 1.09[6]**
Percent Neutrophils (%)	10.51 ± 0.54[8]**	8.97 ± 1.10[6]	10.79 ± 0.91[8]	16.01 ± 1.84[8]*	6.33 ± 1.09[6]*
Percent Monocytes (%)	0.93 ± 0.08[8]	0.78 ± 0.17[6]	1.06 ± 0.21[8]	0.80 ± 0.30[8]	0.00 ± 0.00[7]**
Percent Eosinophils (%)	6.19 ± 0.41[8]	5.33 ± 1.33[6]	5.16 ± 1.30[8]	3.51 ± 1.59[8]	0.00 ± 0.00[7]**
Percent Basophils (%)	0.66 ± 0.08[8]	0.65 ± 0.15[6]	0.71 ± 0.21[8]	0.29 ± 0.11[8]	0.00 ± 0.00[7]**
Percent Large Unstained Cells (%)	1.34 ± 0.37[8]	1.35 ± 0.35[6]	0.79 ± 0.19[8]	0.51 ± 0.21[8]	0.00 ± 0.00[7]**

M03: Peripheral Blood Leukocyte Cell Differential

Study Number: I07062C

Test Compound: 1020 Long Multiwalled Carbon Nanotubes

Date: 29 Aug 2024

DTTID: 108-006-008-000-3

CAS Number: L-MWNT-1020

Time: 4:00:49 PM

Study Type: Immune screening

DTXSID: DTXSID601356181

Species/Strain: Mouse/B6C3F1/N

LEGEND

Data are displayed as mean $\pm$ SEM (N) unless otherwise noted.

Statistical analysis performed by Jonckheere (trend) and Shirley or Dunn (pairwise) tests. The positive control group (50 mg/kg CPS) was excluded from trend test.

Statistical analysis for the positive control group (50 mg/kg CPS) compared to the vehicle control group was performed using the Wilcoxon rank sum test.

Statistical significance for the control group indicates a significant trend test.

Statistical significance for a treatment group indicates a significant pairwise test compared to the vehicle control group.

* Statistically significant at $P \leq 0.05$

** Statistically significant at $P \leq 0.01$

SEM = Standard Error of the Mean

SD = Study Day

CPS = Cyclophosphamide

Females from the vehicle control and treatment groups were removed on SD 101.

**** END OF REPORT ****