**Supplemental Table . Cell counts from combined lavage fluid.** All values are mean ± SEM. (nd: not done, \*p < 0.05 relative to control)

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Total Cell Count (x107)** | | | | | | | | | |
|  | **Control** | **I8**  **5 mg/kg** | **I8**  **10 mg/kg** | **Silica**  **5 mg/kg** | **Silica**  **10 mg/kg** | **I9**  **5 mg/kg** | **I9**  **10 mg/kg** | **NIST**  **5 mg/kg** | **NIST**  **10 mg/kg** |
| Day 1 | 1.28 ± 0.16 | **2.52 ± 0.24\*** | **3.76 ± 0.72\*** | **2.19 ± 0.25\*** | 2.12 ± 0.37 |  |  |  |  |
| Day 3 | 1.30 ± 0.14 | **4.64 ± 1.1\*** | 2.29 ± 0.52 | **4.62 ± 0.65\*** | 2.37 ± 0.73 |  |  |  |  |
| Day 7 | 1.07 ± 0.09 | 1.74 ± 0.19 | 2.06 ± 0.41 | **2.86 ± 0.41\*** | **3.24 ± 1.1\*** |  |  |  |  |
| Day 30 | 1.00 ± 0.07 | 0.91 ± 0.07 | 1.33 ± 0.23 | **3.92 ± 0.99\*** | **8.41 ± 1.1\*** |  |  |  |  |
| Day 60 | 1.11 ± 0.13 | 1.40 ± 0.12 | 0.88 ± 0.12 | **5.03 ± 0.26\*** | **5.29 ± 0.28\*** | 0.95 ± 0.11 | 0.96 ± 0.09 | 1.24 ± 0.08 | 1.09 ± 0.10 |
| Day 120 | 1.03 ± 0.11 | 1.36 ± 0.34 | 1.16 ± 0.13 | **4.03 ± 0.47\*** | **6.82 ± 0.87\*** | 1.24 ± 0.26 | 1.27 ± 0.35 | 1.38 ± 0.07 | 1.56 ± 0.26 |
| Day 150 | 1.63 ± 0.39 |  |  |  |  | 1.34 ± 0.15 | 1.52 ± 0.18 | 1.43 ± 0.19 | 1.36 ± 0.17 |
| **Alveolar Macrophage Count (x107)** | | | | | | | | | |
| Day 1 | 1.26 ± 0.16 | 1.80 ± 0.16 | **2.70 ± 0.53\*** | 1.59 ± 0.18 | 1.60 ± 0.29 |  |  |  |  |
| Day 3 | 1.31 ± 0.14 | **4.30 ± 1.3\*** | 1.96 ± 0.44 | **3.61 ± 0.56\*** | **2.06 ± 0.62\*** |  |  |  |  |
| Day 7 | 1.06 ± 0.09 | **1.64 ± 0.17\*** | 1.87 ± 0.38 | **2.06 ± 0.29\*** | **2.66 ± 0.86\*** |  |  |  |  |
| Day 30 | 0.96 ± 0.07 | 0.83 ± 0.05 | 1.21 ± 0.20 | **3.15 ± 0.74\*** | **7.28 ± 1.1\*** |  |  |  |  |
| Day 60 | 1.03 ± 0.13 | 1.25 ± 0.09 | 0.86 ± 0.12 | **4.30 ± 0.26\*** | **4.39 ± 0.31\*** | 0.74 ± 0.11 | 0.71 ± 0.07 | 0.99 ± 0.10 | 0.73 ± 0.12 |
| Day 120 | 0.98 ± 0.10 | 1.48 ± 0.39 | 1.12 ± 0.13 | **3.30 ± 0.45\*** | **5.92 ± 0.79\*** | 0.99 ± 0.13 | 0.93 ± 0.14 | 1.15 ± 0.09 | 1.21 ± 0.21 |
| Day 150 | 1.13 ± 0.31 |  |  |  |  | 0.79 ± 0.07 | 0.82 ± 0.09 | 0.79 ± 0.11 | 0.82 ± 0.13 |
| **PMN Count (x105)** | | | | | | | | | |
| Day 1 | 0.91 ± 0.32 | **42.3 ± 4.4\*** | **78.8 ± 13\*** | **41.4 ± 4.4\*** | **40.5 ± 5.2\*** |  |  |  |  |
| Day 3 | 0.14 ± 0.13 | **34.5 ± 12.3\*** | **14.9 ± 4.6\*** | **101 ± 28\*** | **8.9 ± 3.2\*** |  |  |  |  |
| Day 7 | 0.22 ± 0.15 | **4.73 ± 2.2\*** | 2.67 ± 1.9 | **72.3 ± 13\*** | **40.0 ± 21\*** |  |  |  |  |
| Day 30 | 0.44 ± 0.20 | 3.45 ± 1.9 | 2.05 ± 0.88 | **51.7 ± 19\*** | **60.6 ± 14\*** |  |  |  |  |
| Day 60 | 0.17 ± 0.09 | **7.69 ± 2.5\*** | **1.73 ± 0.41\*** | **46.6 ± 4.3\*** | **67.5 ± 3.8\*** | 1.52 ± 0.71 | **4.51 ± 1.2\*** | **2.31 ± 0.8\*** | 1.78 ± 0.7 |
| Day 120 | 1.10 ± 0.39 | 1.43 ± 0.75 | 2.31 ± 0.46 | **49.0 ± 2.5\*** | **126.6 ± 15.5\*** | 0.93 ± 0.44 | 8.28 ± 2.5 | 0.96 ± 0.6 | 7.10 ± 3.7 |
| Day 150 | 0.37 ± 0.23 |  |  |  |  | **0.55 ± 1.8\*** | **9.36 ± 2.2\*** | 1.32 ± 0.5 | **2.55 ± 0.8\*** |
| **Lymphocyte Count (x105)** | | | | | | | | | |
| **Day 1** | 1.31 ± 0.31 | **26.0 ± 3.2\*** | **27.5 ± 7.4\*** | **17.7 ± 2.4\*** | **11.3 ± 2.6\*** |  |  |  |  |
| **Day 3** | 0.63 ± 0.29 | 7.80 ± 4.4 | **18.7 ± 4.2\*** | 5.07 ± 3.3 | **21.9 ± 8.3\*** |  |  |  |  |
| **Day 7** | 0.51 ± 0.24 | **4.50 ± 1.4\*** | **16.4 ± 3.3\*** | **7.85 ± 2.0\*** | 18.3 ± 3.4 |  |  |  |  |
| **Day 30** | 0.73 ± 0.19 | **5.27 ± 0.49\*** | **10.4 ± 2.2\*** | **26.0 ± 7.5\*** | **104 ± 18\*** |  |  |  |  |
| **Day 60** | 1.19 ± 0.35 | **6.81 ± 1.3\*** | **0.64 ± 0.38\*** | **26.0 ± 3.2\*** | **16.0 ± 5.8\*** | 0.11 ± 0.11 | 0.60 ± 0.42 | **0.56 ± 0.29\*** | 0.13 ± 0.13 |
| **Day 120** | 0.46 ± 0.21 | **3.18 ± 0.60\*** | **0.63 ± 0.33\*** | **24.1 ± 3.0\*** | 13.6 ± 8.8 | 0.50 ± 0.33 | 3.94 ± 1.64 | 0.78 ± 0.38 | 0.96 ± 0.96 |
| **Day 150** | 0.70 ± 0.36 |  |  |  |  | 0.19 ± 0.19 | 0.43 ± 0.27 | 0.40 ± 0.40 | 1.30 ± 0.64 |