

Table S8: Sensitivity analysis of laboratory findings between COVID-19 and Non-COVID-19 patients, pre-prints excluded, outliers excluded.

| Parameters | N_studies [max = 30] | Normal | Units of measurement | COVID-19 positive | COVID-19 negative | Std. mean difference IV (random effect model) [95% CI] | Effect size | Heterogeneity | | Test for overall effect (p) |
|----------------------------|-------------------------|----------|-------------------------|----------------------|----------------------|---|-------------|------------------|--------------------|-----------------------------------|
| | | Ranges | | Total | Total | | | Tau ² | I ² (%) | |
| White cell count | 25 | 4.0-11.0 | 10 ⁹ /L | 3484 | 4259 | -0.80 [-1.14, -0.45] | Large | 0.69 | 97% | < 0.001 |
| Neutrophil count | 20 | 2.0-7.0 | 10 ⁹ /L | 3925 | 3850 | -0.54 [-0.76, -0.33] | Large | 0.19 | 93% | < 0.001 |
| Lymphocyte count | 24 | 1.5-4.0 | 10 ⁹ /L | 4077 | 4094 | -0.51 [-0.69, -0.33] | Large | 0.15 | 90% | < 0.001 |
| Eosinophil count | 8 | 0.04-0.4 | 10 ⁹ /L | 1288 | 1858 | -1.03 [-1.63, -0.43] | Large | 0.72 | 98% | < 0.001 |
| Platelet count | 16 | 150-450 | 10 ⁹ /L | 2796 | 3162 | -0.48 [-0.76, -0.20] | Medium | 0.29 | 95% | < 0.001 |
| Lactate dehydrogenase | 12 | 135-225 | U/L | 1286 | 976 | 0.33 [-0.15, 0.80] | Medium | 0.63 | 95% | < 0.001 |
| Aspartate aminotransferase | 10 | 0-40 | U/L | 901 | 715 | 0.38 [0.16, 0.59] | Medium | 0.07 | 70% | < 0.001 |
| Alanine aminotransferase | 12 | 0-40 | U/L | 941 | 812 | 0.39 [0.10, 0.69] | Medium | 0.21 | 86% | < 0.001 |
| Total bilirubin | 7 | <21 | umol/L | 1784 | 1194 | -0.27 [-0.51, -0.03] | Medium | 0.07 | 78% | < 0.001 |
| Albumin | 6 | 35-50 | g/L | 591 | 416 | -0.21 [-0.65, 0.23] | Medium | 0.26 | 89% | < 0.001 |
| C-Reactive Protein | 21 | <5 | mg/L | 3454 | 2879 | 0.08 [-0.17, 0.33] | Small | 0.28 | 94% | 0.54 |
| Procalcitonin | 7 | <0.05 | ng/mL | 1754 | 1161 | -0.17 [-1.02, 0.67] | Small | 1.25 | 98% | 0.69 |
| Creatinine | 9 | 45-104 | umol/L | 1801 | 1290 | -0.12 [-0.34, 0.11] | Small | 0.07 | 77% | < 0.001 |
| Blood urea nitrogen | 3 | 2.5-7.8 | mmol/L | 484 | 295 | 0.05 [-1.09, 1.19] | Small | 0.98 | 98% | < 0.001 |

| | | | | | | | | | | |
|--------------------|---|------|------|------|------|--------------------|--------|------|-----|---------|
| D-Dimer FEU | 7 | <0.1 | mg/L | 1760 | 1168 | 0.22 [-0.17, 0.57] | Medium | 0.19 | 91% | < 0.001 |
|--------------------|---|------|------|------|------|--------------------|--------|------|-----|---------|

U/L = units per litre, CI = confidence interval, IV = weighted mean difference.