

## Explanation of Blinded Test Results:

Our Covid-29 Rapid Test is a mask-based system that detects SARS-CoV-2 virus in exhaled breath condensate (EBC). The user only has to wear the mask and breath normally. After about 5-10 minutes, our direct-to-electrical test result is obtained and wirelessly transmitted to a smartphone App. Alternatively, in a mass testing or point-of-care setting, the test result can be wirelessly uploaded directly to the cloud through a WiFi relay.

Our electronic biosensor is based on detection of a difference in the steady state current through the sensor before and after capture of the S-protein or virus in solution by the receptor on the sensor surface. A current drop occurs upon binding of the S-protein/virus with the receptor on the sensor surface. We need approximately 2-3 drops of EBC to carry out the test.

We 88 blinded samples. A graph of our test results shows very consistent grouping by transport medium, which should indicate the concentrations in the test samples:

