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Manuscript title: “Development of robust, indigenous ELISA for detection of IgG antibodies against CoV-2 N and S proteins: mass screening”

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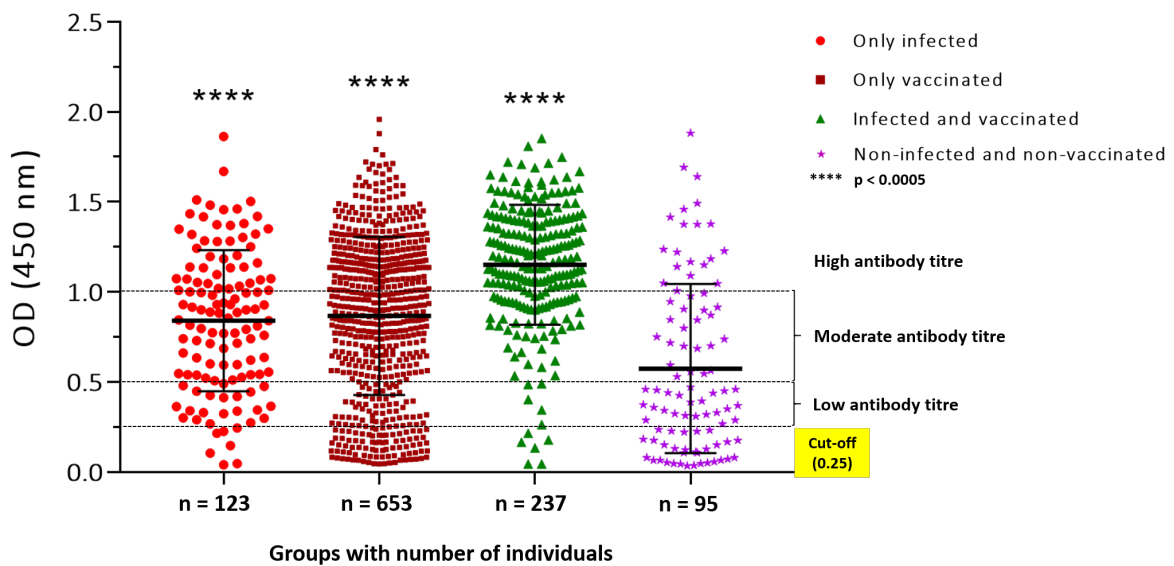
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Supplementary Material

Supplementary Figure Description: ELISA was used to compare individuals' antibody responses to infection and immunization for SARS-CoV-2. For 123 COVID-19 infected specimens, the mean ELISA OD₄₅₀ for IgG detection was 0.841 with a standard deviation of 0.391. Serum samples from vaccinated (n = 653), infected and vaccinated (n = 237), and non-infected and non-vaccinated (n = 95) participants were also analyzed. Mean optical density at 450 nm (OD₄₅₀) values were 0.868, 1.15, and 0.575 with standard deviations of 0.439, 0.333, and 0.469 respectively.

Supplementary Figure 1 (S1):



Supplementary Figure (S1): Evaluation of the IgG antibody titres against recombinant S and N proteins using “CoroSuchak”. The prevalence of SARS-CoV-2 IgG antibodies was examined in different groups of subjects. An O.D. of 0.25 was considered as cut-off, i.e., O.D. values between 0.25 and 0.5 had low antibody titres, OD values between 0.5 and 1.0 had moderate antibody titres, and O.D. values > 1.0 had high antibody titres of SARS-CoV-2 IgG antibodies. An O.D. of 0.25 was regarded to be the cut-off value. OD₄₅₀ was used to plot the test findings for the presence of SARS-CoV-2 IgG antibodies. $p < 0.05$ was considered to be statistically significant.