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Sengenics launches multi-antigen COVID-19 biochip test

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ImmuSAFEÃ¢â??Â¢ is a lab-based biochip test that utilises Sengenics' patented KREXÃ¢â??Â¢ protein folding technology



Singapore based Sengenics, the Functional Proteomics Company, has announced the launch of ImmuSAFE™ COVID+, a multi-antigen, multi-domain, fully quantitative serology test.

ImmuSAFE™ enables the determination of the target epitopes, titres and Ig class/sub-class (IgG, IgA, IgM; IgG_{1-4}) of antibodies produced across all stages of COVID-19 infection, from initial exposure, disease development, post-recovery or post-vaccination.

These results will provide critical insights on whether individuals have high titres of potentially neutralising antibodies against SARS-CoV-2 that may protect against reinfection or whether booster vaccinations are required.

ImmuSAFE™ COVID+ will also enable quantitative assessment of patient response in vaccination trials, including differentiation of whether observed antibody responses are due directly to the vaccine or to prior SARS-CoV-2 exposure.

ImmuSAFE™ is a lab-based biochip test that utilises Sengenics' patented KREX™ protein folding technology ensuring that viral antigens are correctly folded, preserving all conformational and linear antibody binding sites.

The test contains more than ten domains of SARS-CoV-2 Nucleocapsid and Spike proteins including full-length and numerous truncated versions.