

## STATEMENT

To whom it may concern

We, Hangzhou Realy tech Co., Ltd. recently received questions from the German competent authority regarding the target protein of the company's Novel Coronavirus (SARS-Cov-2) Antigen Rapid Test Device (saliva) through several customers. The company's response to the target protein of the company's Novel Coronavirus (SARS-Cov-2) Antigen Rapid Test Device (saliva) is as follows:

a) Which antigen proteins are detected in your test and

Answer: Our Novel Coronavirus (SARS-Cov-2) Antigen Rapid Test Device (saliva) product can detect SARS-Cov-2 nucleo-protein(mainly) and spike protein.


b) If the relevant antigen test detects the SARS-CoV-2 surface protein ("spike"), whether the antigen detection also reliably detects the spike protein of genetic SARS-CoV-2 variants. Please explain this in a comprehensible manner.

Answer: More than 90% antibody used in Novel Coronavirus (SARS-Cov-2) Antigen Rapid Test Device (saliva) is anti-nucleoprotein of SARS-Cov-2 and target protein is SARS-Cov-2 nucleoprotein. So, our product can reliably detect the SARS-Cov-2 variants.

The rest antibody used in Novel Coronavirus (SARS-Cov-2) Antigen Rapid Test Device (saliva) is anti-Spike protein and target protein is SARS-Cov-2 Constant fragment of Spike protein.

At present, whether the N501Y in the United Kingdom or the 501Y.V2 in South Africa, the variant fragments are mainly the RBD fragment of the S protein, and the target fragments of the antibodies we used in Novel Coronavirus (SARS-Cov-2) Antigen Rapid Test Device (saliva) have not been mutated.

So, our product can reliably detect the spike protein of genetic SARS-Cov-2 variants.

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