

Declaration

We, the undersigned "Triple International Biosciences (China) Co., Ltd." are the manufacturer of "SARS-CoV-2 antigen rapid detection kit". Our kit can not only detect the original strain of SARS-CoV-2 quickly and sensitively, but also detect the genetic variants(mutant strain) of SARS-CoV-2.

SARS-CoV-2 is a single positive strand RNA virus, mainly composed of RNA, nucleocapsid and envelope. The structural proteins are mainly nucleocapsid protein (N protein), membrane protein (M protein), spike protein (S protein) and small capsular membrane protein (E protein) (Figure 1).

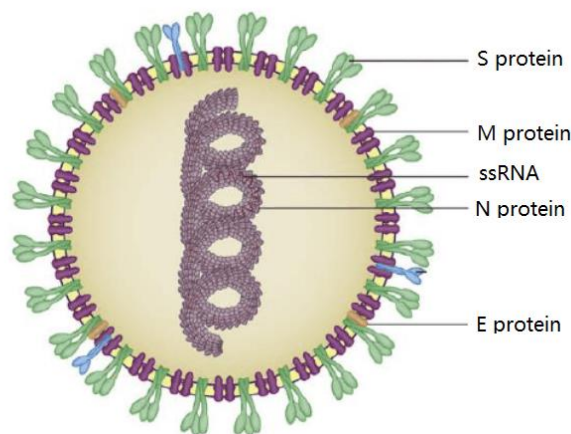


Figure 1

As shown in Figure 1 above, the outermost structural protein is S protein, and the innermost structural protein is N protein. For SARS-CoV-2, S protein is the most easily mutated (mutant strain)



and N protein is the most conservative and stable (all SARS-CoV-2). At present, the principle of detection kits for SARS-CoV-2 antigen is to detect its structural protein. From the above description, it can be seen that the antigen detection kit for detecting N protein is highly reliable and stable, while the antigen detection kit for detecting S protein can only detect the original strain, and the mutant strain cannot be detected or is difficult to detect because S protein has mutated.

TIB's "SARS-CoV-2 antigen rapid detection kit" is for the detection of N protein, which is not affected by the mutant strains with S protein mutation, so it can detect all SARS-CoV-2 strains, whether original or mutant strains(for example, **Indian mutant, British mutant, Brazilian mutant, South African mutant** and so on).

We guaranty that the above statement is reliable and trustworthy.

By: Triplex International Biosciences (China) Co., LTD.

Date: July 21, 2021

