

Statement on the monitoring of SARS-CoV-2 variants

Recently, the SARS-CoV-2 has been discovered the newest SARS-CoV-2 Omicron strain subvariants **EU.1.1**, **EG.5**, the new variant **BA.2.86** and **FL.1.5.1**. The Sejoy urgently established a special verification team to monitor and analyze the genetic data of the newly discovered SARS-CoV-2 variant. By the Peptide probe sequence comparison results of the marketed products and by verifying the inactivated virus culture of these mutant strains (The virus culture solution was inactivated with β -propiolactone. β -Propiolactone can bind to the genetic material of pathogenic microorganisms and inactivate them without affecting the properties of the protein. Therefore, the virus culture medium after inactivation by this method will not have any impact on the performance evaluation of SARS-CoV-2 Antigen Rapid Test Cassette, SARS-CoV-2 Antigen Saliva Lolly Test and SARS-CoV-2 & Influenza A+B Antigen Combo Rapid Test Cassette), the results confirmed that SARS-CoV-2 Antigen Rapid Test Cassette (Ref.:**COVG-602**、**COVG-602ST**), SARS-CoV-2 Antigen Saliva Lolly Test (Ref.:**COVG-603**) and SARS-CoV-2 & Influenza A+B Antigen Combo Rapid Test Cassette (Ref.:**COIF-522**) that has been marketed by Hangzhou Sejoy Electronics & Instruments Co.,Ltd. has no missed detection against the above-mentioned variant and still ensure the accuracy and sensitivity of the detection reagents.

Clinical performance of SARS-CoV-2 Antigen Rapid Test Cassette, SARS-CoV-2 Antigen Saliva Lolly Test and SARS-CoV-2 & Influenza A+B Antigen Combo Rapid Test Cassette has been determined by testing specimens of SARS-CoV-2 antigen, after verification of the latest Omicron strain subvariant and SARS-CoV-2 variant, the sensitivity is not affected.

Up to now, our company has monitored and analyzed the genetic data of major epidemic SARS-CoV-2 variants, including Alpha variant (B.1.1.7), Beta variant (B.1.351), Gamma variant(P.1), Delta variant(B.1.617.2), Omicron variant (B1.1.529, BA.2, XE, BA.4 ,BA.5), and the latest Omicron strain subvariants(EU.1.1, EG.5) and new variant (BA.2.86, FL.1.5.1). Our company will continue to pay attention to the variant of the SARS-CoV-2 to ensure that our company's SARS-CoV-2 Antigen Rapid Test Cassette (Ref.:**COVG-602**、**COVG-602ST**), SARS-CoV-2 Antigen Saliva Lolly Test (Ref.:**COVG-603**) and SARS-CoV-2 & Influenza A+B Antigen Combo Rapid Test Cassette (Ref.:**COIF-522**) will not miss detection and ensure the sensitivity, accuracy and specificity are not affected.