

# ZHEJIANG ANJI SAIANFU BIOTECH CO.,LTD

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## Mutant Strains Report

Sars-coronavirus type 2 is constantly evolving to escape the human immune system.

The status of the mutant strain detected by the Our company 's COVID-19 Antigen Radid Test is as follows.

1. Our company's COVID-19 Antigen Radid Test are used to detect the main popular mutant strains B.1.1.7 (D3L+S235F+ RG203KR), B.1.351&B.1.429 (T205I), P.1 (P80R+RG203KR), B.1.2 (P67S). +P199L), B.1.617 (D377Y+R203M), B.1.618 (A119S+A217S+E367Q+G18S+M234I) recombinant antigens can be effectively detected, and the detection activity is not significant compared with the detection of non-mutant strain recombinant antigens difference.
2. At the same time, we have made recombinant antigens with the following mutations (the mutation frequency is slightly higher): S197L, RG203KR+I292T, P13L, S202N, S197L+P13L, A220V, S194L, A208G, RG203KR+K375N, M234I+T205I, D3L+H145Y +S235F+ RG203KR, P80R+ RG203KR, A119S+M234I+RG203KR, A12G+T205I, P67S+P199L, P67S+P199L+Q389L, D3Y+D377Y+R203M, D3L+G204P+R203K+S235A, IS+18S +234 +M234I+E367Q, P365S+A220V, S194L+T391I, Q418H+RG203KR, S187L+Q418H+RG203KR, Q9H+ T135I+P207L+T391I, B.1.1.529 etc., with the same amount of non-mutant recombinant antigen, our test strips can effectively detect And there is no significant difference in response.
3. We have been continuously paying attention to the mutational development and evolution of the new coronavirus, and will develop corresponding new coronavirus detection reagents for evaluation and verification of important mutant strains.

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