SARS-CoV-2 Nucleic Acid RT-PCR Test Kit

Intended Use

The SARS-CoV-2 Nucleic Acid RT-PCR Test Kit is a real-time RT-PCR test intended for the qualitative detection of nucleic acids from the SARS-CoV-2 in nasal swab, nasopharyngeal swab and sputum specimens from individuals suspected of COVID-19 by their healthcare provider.

Product features

1. **Fast and Easy to Use**
   The whole experiment only takes 80 minutes and no sample preparation steps are required.

2. **High Safety**
   Samples are stored in virus storage tubes to avoid contamination, which also can improve the safety of operators.

3. **High Sensitivity**
   The sensitivity is 500 copies/mL (figure 1).

4. **High Reproducibility**
   Positive control samples were detected and CV value was not more than 5% (figure 2).

5. **Internal reference**
   Internal reference is used in the kit for quality control starting from sample collection (figure 3).

6. ***High Specificity***
   No cross-reaction with other respiratory viruses (figure 4).

Detection Data

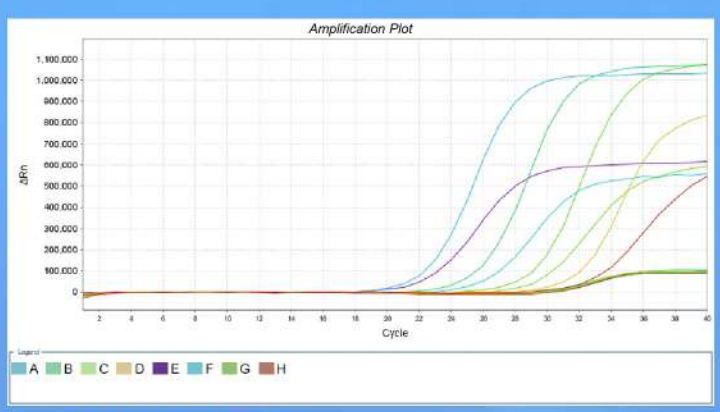

Fig.1 N gene and 1ab gene test

A-D: Different concentrations of N gene
A. $5*10^5$ copies/mL
B. $5*10^4$ copies/mL
C. $5*10^3$ copies/mL
D. $5*10^2$ copies/mL

E-H: Different concentrations of 1ab gene
E. $5*10^5$ copies/mL
F. $5*10^4$ copies/mL
G. $5*10^3$ copies/mL
H. $5*10^2$ copies/mL

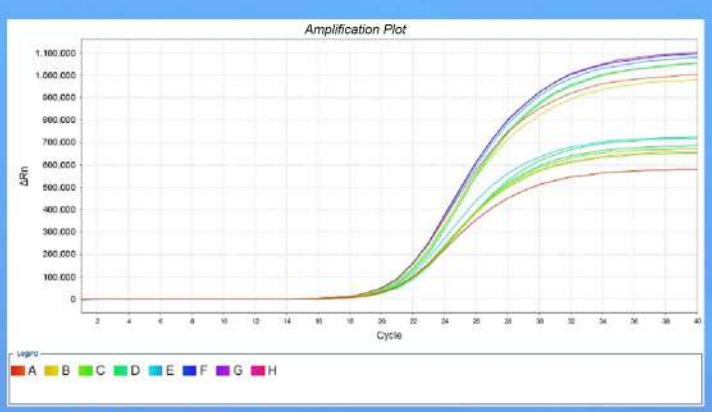

Fig.2 Precision verification

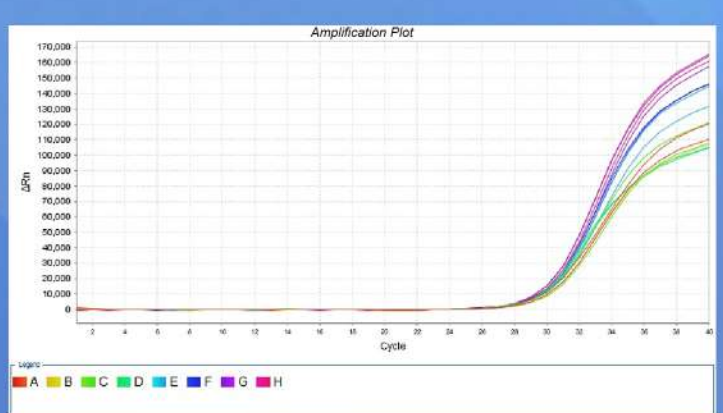

Fig.3 Internal standard detection

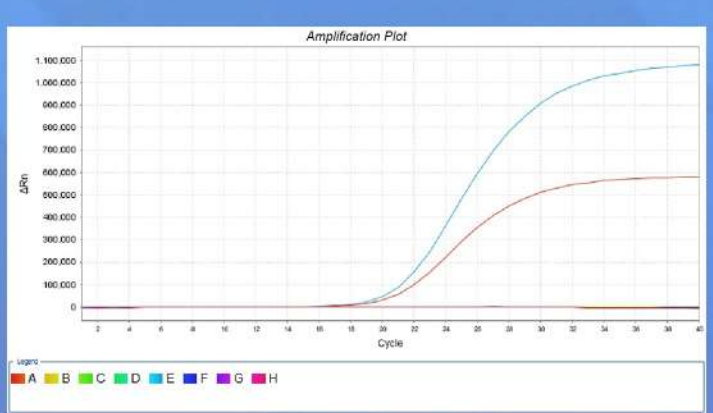

Fig.4 Cross-reaction verification