

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

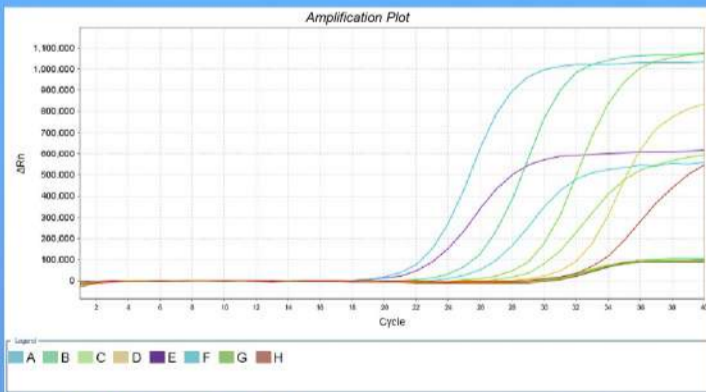


Fig.1 N gene and 1ab gene test

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

E-H Different concentrations of 1ab gene:
E. 5×10^3 copies/mL
F. 5×10^4 copies/mL
G. 5×10^5 copies/mL
H. 5×10^6 copies/mL

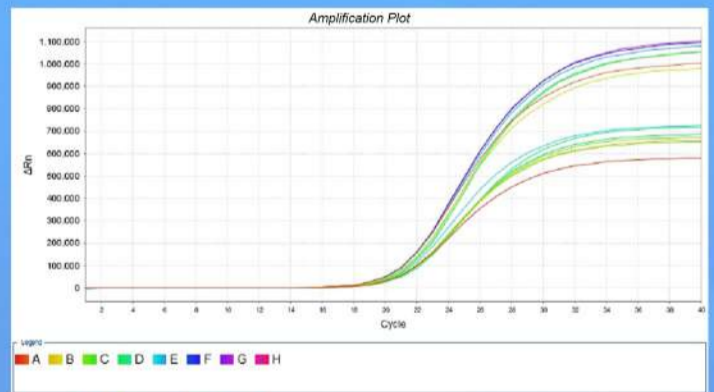


Fig.2 Precision verification

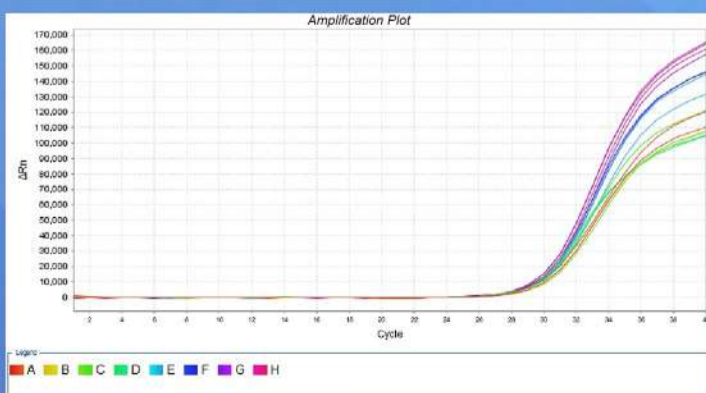


Fig.3 Internal standard detection

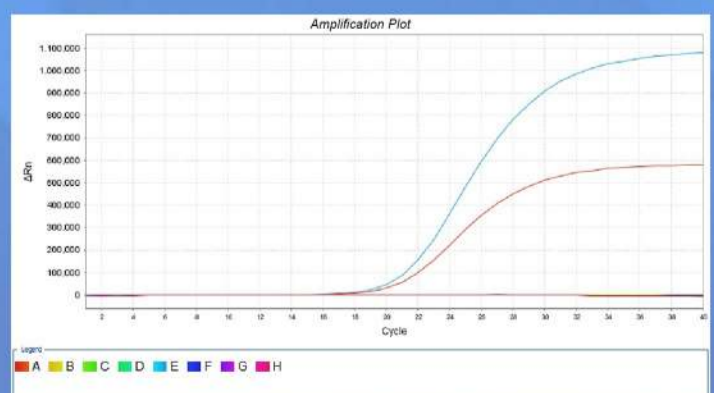


Fig.4 Cross-reaction verification