



## SARS-CoV-2 Detection Kit (Fluorescence RT-PCR)

- ✓ Store at Room Temperature
- ✓ High Sensitivity
- ✓ High Specificity
- ✓ Human Housekeeping Gene RNase P
- ✓ Reliable Result



## Test Principle

The SARS-CoV-2 Detection Kit (Fluorescence RT-PCR) is a qualitative real-time fluorescent PCR test. Specific primers & probes are designed to detect the highly conservative regions of the ORF1ab and N gene sequences of SARS-CoV-2. A pair of primers and a probe for detecting endogenous human RNase P gene are included as an internal amplification control to monitor the whole test process and control for inhibition. The specific probes of the ORF1ab and N genes are labeled with FAM and VIC respectively, and the probe of internal amplification control is labeled with CY5.

## Product Specification

Target	ORF1ab gene, N gene
LOD	100 copies/mL
Sample Type	Respiratory specimen such as oropharyngeal (throat) swab, nasopharyngeal swab, anterior nasal swabs, mid-turbinate swabs, nasal washes, nasal aspirates, sputum or BALF
Storage	Below 35°C
Shelf Life	18 months from the date of manufacture
Protocol Duration	65 minutes

### Wide range of applicable models:

It is suitable for ABI, Roche, Bio-Rad, Bioer, Hongshi, Molarray and similar multi-channel fluorescent PCR.

### Equipment on sale

#### 1. Real-time Fluorescence Quantitative PCR Analyzer- OG P100

##### Characteristics

- General consumables matching, easy to use
- No moving parts, no need to calibrate regularly
- Fast mode can complete the test in 20 minutes
- 10 inch screen is easy to operate and save space
- Self owned special chip to optimize instrument structure
- Independent research and development, flexible combination and customization



#### 2. HG-P320 Real-time PCR system



##### Characteristics

- Small size, light weight, easy to carry.
- The experimental results can be exported directly.
- 4.7-inch high-definition TFT color touch screen, and embedded operating system.
- 4 channels and double 16-well blocks design, can run two different programs at the same time.
- Powerful software analysis function, which can be used for Quantitative Analysis, Melting Curve Analysis, etc.

#### 3. HG-P960 Real-time PCR system



##### Characteristics

- Automatic pop-up sample bin
- Intelligent adjustable hot cover
- 6 partition thermal cycling module
- Full adaptable software system
- Top imaging photoelectric detection