

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

The SARS-CoV-2 Detection Kit(Fluorescence RT-PCR) is a real-time RT-PCR test intended for the presumptive qualitative detection of nucleic acid from the SARS-CoV-2 virus in respiratory specimen such as oropharyngeal (throat) swab, nasopharyngeal swab, anterior nasal swabs, mid-turbinate swabs, nasal washes, nasal aspirates, sputum or BALF specimens from individuals suspected of COVID-19 by their healthcare provider.

ACOV03

Specifications

- **Analytical Sensitivity (LoD):** 100 copies/mL
- **Protocol Duration:** 90-120 minutes
- **Storage:** -25°C to -15°C
- **Packaging Specification:** 48 Tests/Kit, 96 Tests/Kit
- **Shelf life:** 12 months from the date of manufacture
- **Sample type:** Common respiratory samples including oropharyngeal swab, nasopharyngeal swab, anterior nasal swabs, mid-turbinate swabs, nasal washes, nasal aspirates, sputum and alveolar lavage
- **Fluorescent Channel:** FAM, VIC, CY5
- **Coverage Gene:** ORF1ab gene and N gene, sensitive and conservative

Features

- Flexible sample type selection
- Reliable and reproducible results

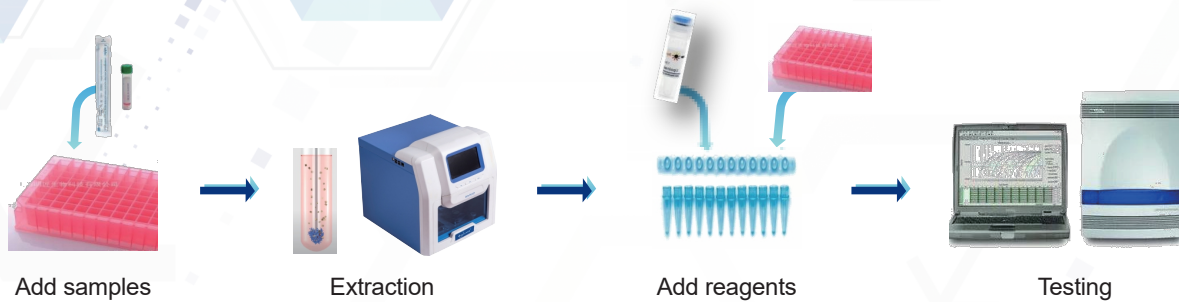


Components	Ingredients	Quantity	
		48 tests/kit	96 tests/kit
SC2-NA Buffer	Uracil-DNA Glycosylase, Mg2+, K+, dNTPs, Betaine, Sucrose, Purified H ₂ O, etc.	750μL/tube, 1 tube	750μL/tube, 2 tubes
SC2-NA Enzyme	DNA polymerase, Reverse transcriptase, Glycerol	150μL/tube, 1 tube	300μL/tube, 1 tube
SC2-NA Oligo	Primers, Probes	100μL/tube, 1 tube	200μL/tube, 1 tube
SC2-NA N Ctrl	PBS solution	200μL/tube, 1 tube	200μL/tube, 1 tube
SC2-NA P Ctrl	A pseudovirus containing target genes (ORF1ab and N genes) and Internal Control RNase P gene	200μL/tube, 1 tube	200μL/tube, 1 tube

Product Advantages

Process Comparison

Protocol Duration:
reagent with extraction 90-120 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



4. Maverick qPCR MQ4164

Characteristics

- No need to send samples to the laboratory for testing
- No need to worry about the environment outside the laboratory
- No need for expensive and cumbersome instrument calibration

