

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

The SARS-CoV-2 Detection Kit (Direct Fluorescence PCR) is a rapid real-time RT-PCR test without RNA-purification intended for the presumptive qualitative detection of nucleic acid from the SARS-CoV-2 virus in oropharyngeal swab and nasopharyngeal swab specimens from individuals suspected of COVID-19 by their healthcare provider.

ACOV01
ACOV02

Specifications

- **Sensitivity:** 200 copies/mL
- **Protocol Duration:** 50-80 minutes
- **Storage:** -25°C to -15°C
- **Packaging Specification:**
ACOV01:
 48 tests/kit, 96 tests/kit
ACOV02:
 48 tests/kit (1 test/tube)
- **Shelf Life:** 12 months from the date of manufacture
- **Sample Type:** Oropharyngeal or nasopharyngeal swabs
- **Fluorescent Channel:** FAM、VIC(HEX) and CY5
- **Coverage Gene:** ORF1ab (RDRP) and N genes of 2019-nCoV, sensitive and conservative
- **Attention Please:** The test covers all known variant strains, including Omicron(B.1.1.529), Delta(B.1.617.2), etc. But it cannot independently distinguish which variant it is.



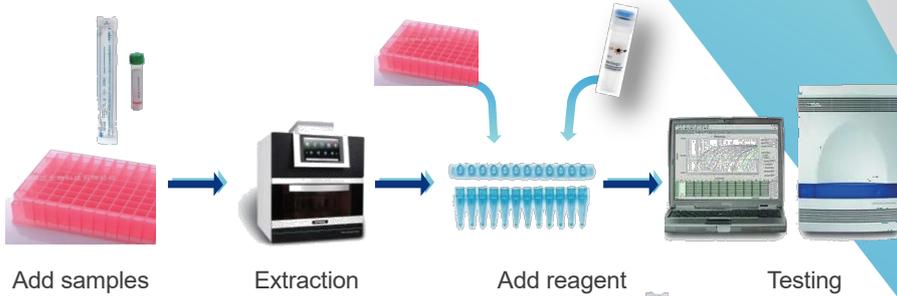
ACOV01:

Components	Ingredients	Quantity	
		48 tests/kit	96 tests/kit
SC2 Buffer	RNase inhibitor, Uracil-DNA Glycosylase, Mg ²⁺ , K ⁺ , dNTPs Betaine, Nucleotide analogue, Sucrose, Purified H ₂ O, Triton X-100	1250µL/tube, 1 tube	1250µL/tube, 2 tubes
SC2 Enzyme	DNA polymerase, Reverse transcriptase, Glycerol	250µL/tube, 1 tube	500µL/tube, 1 tube
SC2 Oligo	Primers, Probes	250µL/tube, 1 tube	500µL/tube, 1 tube
SC2 N Ctrl	DNase/RNase Free water	200µL/tube, 1 tube	200µL/tube, 1 tube
SC2 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

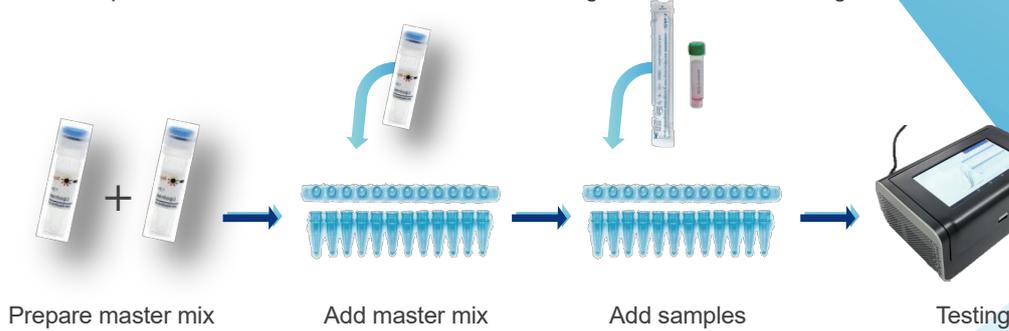
Product Advantages

Process Comparison

Commonly Used Products
Testing time
>150 minutes



Our Products
Testing time
< 80 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

