



SARS-CoV-2 and Delta Variants Detection Kit (Fluorescence PCR)

The SARS-CoV-2 and Delta Variants Detection Kit (Fluorescence PCR) is a real-time RT-PCR test intended for the presumptive qualitative detection of nucleic acid from ORF1ab gene (RdRp region) and N gene of SARS-CoV-2, T478K mutation and D950N mutation of S gene of Delta Variant in respiratory specimens 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.

ACOV07

Specifications

- **Analytical Sensitivity (LoD):** 500 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

Features

- Multiple targets: Effective to prevent missed tests
- Open system: Applicable to most four channel qPCR instruments
- Identification: Detection of SARS-CoV-2 and identification of Delta Variant were completed in one test.



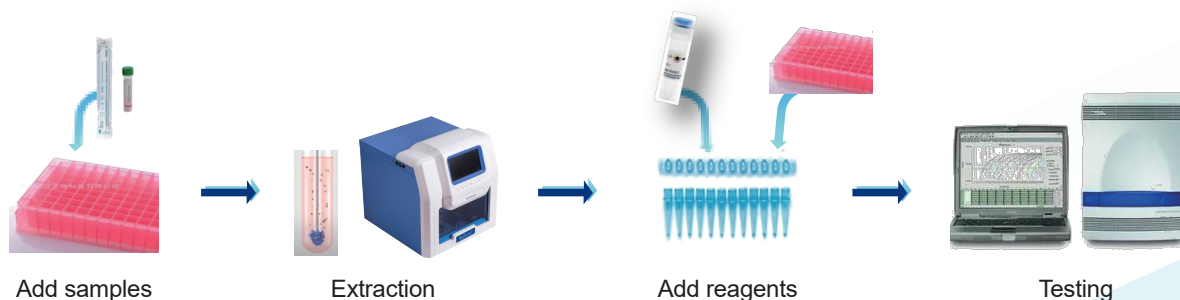
Components	Ingredients	Quantity	
		48 tests/kit	96 tests/kit
nCoV/Delta Buffer	Mg ²⁺ , K ⁺ , dNTPs, Betaine, Sucrose, Purified H ₂ O, etc.	750μL/tube, 1 tube	1500μL/tube, 2 tubes
nCoV/Delta Enzyme	DNA polymerase, Reverse transcriptase, Glycerol	125μL/tube, 1 tube	250μL/tube, 1 tube
nCoV/Delta Oligo	Primers, Probes	125μL/tube, 1 tube	250μL/tube, 1 tube
nCoV/Delta N Ctrl	DNase/RNase free Water	100μL/tube, 1 tube	200μL/tube, 1 tube
nCoV/Delta P Ctrl	A pseudovirus containing target genes (T478K mutation and D950N mutation of S gene, ORF1ab gene and N gene) and Internal Control HMBS gene	100μL/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

- Simple calibration process
- Matching general consumables, easy to use
- 10-inch screen is easy to operate and space saving
- Multi-channel qPCR detection, melting curve and data analysis management.
- Independent research and development, flexible combination and customization
- All instrument setup and analysis functions are controlled by an intuitive, easy-to-use software interface for fast experiment setup and data analysis.



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



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