

## PCR 6000 Real-time Fluorescence Quantitative PCR Analyser

### Outbreak Background

On January 12, 2020, WHO officially named the novel coronavirus that caused the current outbreak in Wuhan, China as "2019 new coronavirus (2019-nCoV)". At the same day, WHO released the clinical guidelines for the treatment of severe acute respiratory tract infection caused by suspected 2019-nCoV.

On the early morning of January 21, 2020, the Chinese National Health Commission issued a notice (No.1 in 2020) on its official website, which included pneumonia infected by 2019 nCoV into the class B management of legal infectious diseases, and took preventive and control measures of class A infectious diseases.

### W.H.O. Guidance

**Collect** the samples of upper respiratory tract (URT) and lower respiratory tract (LRT) then conduct the 2019-nCoV nucleic acid detection by RT-PCR.

### Clinical Significance

**Rapid** diagnosis: double target detection, zero error rate, suitable for laboratory.

**Prevention** & Control: providing proof for clinical diagnosis, treatment, transfer and recovery.

### The Gold Standard Solution

#### Nucleic acid extraction



#### 2019-nCoV Nucleic Acid Detection Kit



#### Fluorescence PCR

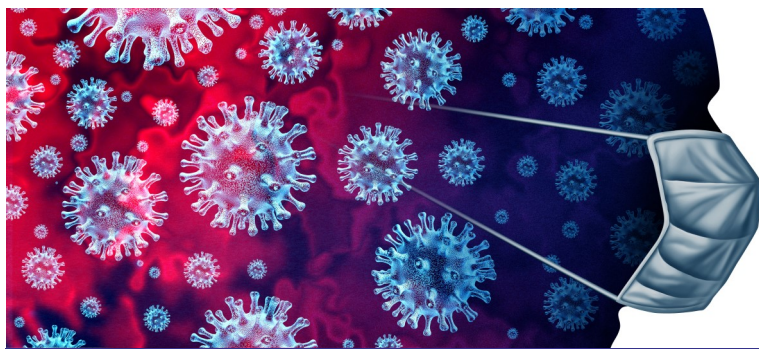


Cat No.	Production Description
PCR6000	Real-time Fluorescence Quantitative PCR Analyser



IVD





## PCR 6000 Real-time Fluorescence Quantitative PCR Analyser

### Procedure Principle

A double target gene was designed. The kit is based on real-time fluorescent PCR method to detect the nucleic acid of 2019-nCoV by both designed target genes( the open reading frame 1ab (ORF1ab) and nucleocapsid protein N).

### Performance & Parameter

- Packing specification: 48T or 96T
- Analytical Sensitivity: 103 copies/mL
- Sample Type: bronchoalveolar lavage, nasopharyngeal and oropharyngeal swab, sputum.

### Product Advantage

- Wide samples applicability
- One step RT qPCR
- Reliable result with Internal References through whole experiment process

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