

# Real-Time Fluorescent RT-PCR Kit for 2019-nCoV Detection

## Product Description

BGI's Real-Time Fluorescent RT-PCR kit for detecting the 2019 novel coronavirus (SARS-CoV-2) is a qualitative in vitro nucleic acid amplification assay designed for the high-sensitive and rapid investigation of SARS-CoV-2. The kit has received a series of regulatory approvals:

国家药品监督管理局  
National Medical Products Administration

FDA

CE IVD

Pmda

Australian Government  
Department of Health  
Therapeutic Goods Administration

## Features

- Samples to results within 3 hours
- Taqman Reverse Transcription PCR
- ORF1ab gene as domain target
- Human  $\beta$ -actin as internal control
- Manufacturing in ISO 13485 compliant and high-volume production facility
- Stringent QC with positive and blank controls



## Benefits

- Highly sensitive – Superior limit of detection
- Highly specific – No cross-reactivity with other major human-related pathogens
- Fast – One-step duplex reaction with single target and internal control
- Easy to use – Pre-mixed primers, probes and enzymes
- Easy to interpret results – Analysis of one target with well defined controls

## Specifications

- 50 reactions per kit
- Samples collected from throat swab or bronchoalveolar lavage fluid (BALF)
- Compatible with many major real-time PCR systems
- Limit of detection: 100 copies/mL
- Reagents stable under dark for 5 days at 2-8°C or 6 months at -18°C
- No cross-reactivity with human genome or 54 other human related pathogens

01

Add  
Template RNA  
+  
Reaction Mix  
+  
Enzyme Mix



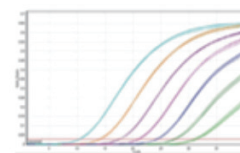
02

Run



03

Analyze



Samples to results in less than 3 hours



## Key Components

Component	Volume	Quantity	Description
2019-nCoV Reaction Mix	1mL/vial	1 vial	Reagents for amplification, probes and primers
2019-nCoV Enzyme Mix	80μL/vial	1 vial	Taq polymerase, reverse transcriptase and uracil-DNA glycosylase (UDG)
2019-nCoV Positive Control	750μL/vial	1 vial	Mix solution of pseudo-virus with target virus genes and internal reference
2019-nCoV Blank Control	750μL/vial	1 vial	DNase/RNase free water

## Request for Information or Quotation

Contact your BGI account representative for more information including product pricing.

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