



# 2019–Novel Coronavirus Nucleic Acid Test Kit

## Fluorescent Probe-Based Real-Time PCR Assay

The 2019–Novel Coronavirus ( 2019–nCoV ) causes pneumonia, the clinical symptoms include fever, fatigue, dry coughing and gradually appear the difficulty breathing or dyspnoea. A small number of patients will result in critical conditions or even death.

According to the Guidance for human infection with coronavirus disease (COVID-2019), nucleic acid testing is currently the key criterion for the diagnosis of 2019–nCoV infection.

### What is the test principle?

Multiple fluorescent PCR was used to simultaneously detect ORF1ab, E and N genes in a single tube with different fluorescent probes. This can be used clinically for 2019–nCoV effective diagnosis and screening of suspected patients.



## Acceptable Specimen

Nasopharyngeal/Oropharyngeal swabs, sputum or bronchoalveolar lavage fluid, etc.

## Product Specifications

50 tests / kit



## Product Features

### Reliable Results

Dual quality control system with dUTP/UDG enzyme pollution prevention system, the results are more reliable.

### High Efficiency

Test 93 samples at the same time within 2 hours, to help rapid clinical diagnosis.

### Internal Control

More reliable results by using the internal control supervise system to monitor the experimental operation process.

### High sensitivity

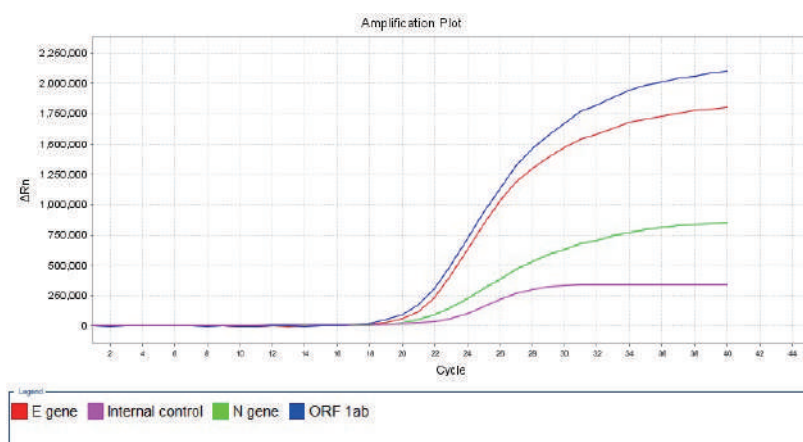
The limit of detection of the kit is 500 copies /mL.

### Complete Detection Target, More Accurate Result

Detection for ORF1ab gene, N gene and E gene at the same time. This detection system can screen suspected patients and diagnose the real infected patients, avoid missed diagnosis or misdiagnosis.

## Applicable Equipment

- Applied Biosystems™ 7500 Real-Time PCR System
- Other Real-time thermal cyclers which could detect FAM, ROX, VIC/HEX and CY5 simultaneously



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