



# COVID-19 RT-PCR kit

**Reliable, Flexible, and Sensitive Portfolio of Molecular test to meet Every Need**

The coronavirus family contains strains that can be contracted by humans and may cause severe respiratory illnesses. The coronavirus outbreak that began in December 2019 is spreading rapidly through the world and has already impacted China, Korea, Japan, Thailand, Europe, and the United States. Scientists have named the novel strain the 2019–Novel CoV or COVID-19.

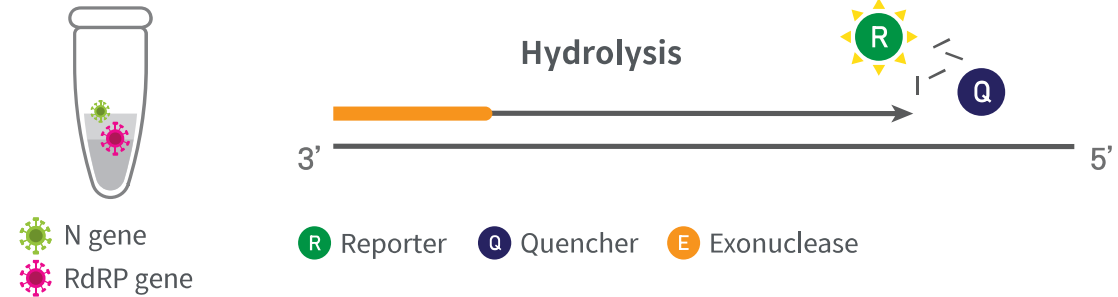
## Features

- ✓ Detect two gene regions and simultaneously detect N gene as well as RdRP gene of SARS-2 CoV.
- ✓ Preventing contamination using the UDG (Uracil-DNA Glycosylase System)
- ✓ Endogenous control included for sample extraction and amplification efficiency verification
- ✓ Reaction time within 83 min. Improving laboratory efficiency

## Test method One Step Real-Time Reverse Transcription-PCR

The reverse transcription (RT) and qPCR step are both conducted in the same reaction well. As the specific sequence is amplified, the taqman probe hybridized to the target is dissociated to generate fluorescence.

### COVID-19 test



## Specification

Package Unit	50 tests/kit, 100 tests/kit
Technology	Real-time reverse transcriptional PCR, Reaction time: 83 min
Performance	<p>Analytical sensitivity</p> <div style="display: flex; justify-content: space-around;"> <div style="text-align: center;"> <p>N gene</p> </div> <div style="text-align: center;"> <p>RdRP gene</p> </div> </div>
Analyte	2019-Novel CoV (COVID-19)
Specimen type	Nasopharyngeal swab, Oropharyngeal swab, Sputum
Sample volume	10 µL RNA
Storage	Below -20°C
Shelf-life	6 months
Internal control	Endogenous internal control included
Quality control	Positive control, Negative control

\* CFX96™ Dx system (Bio-Rad Laboratories, Inc.), Applied Biosystems 7500 Real-Time PCR system (Thermofisher Scientific), Applied Biosystems QuantStudio 5 Dx Real-Time PCR Instrument (Thermo Fisher Scientific Inc.)

## Order Information

Cat. No.	MCD-N05082   MCD-N10082
Package Unit	50 tests/kit   100 tests/kit
Kit Component	4 X 1 step RT-PCR Mix COVID-19 primer/probe mix Positive control Nuclease free water IFU



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