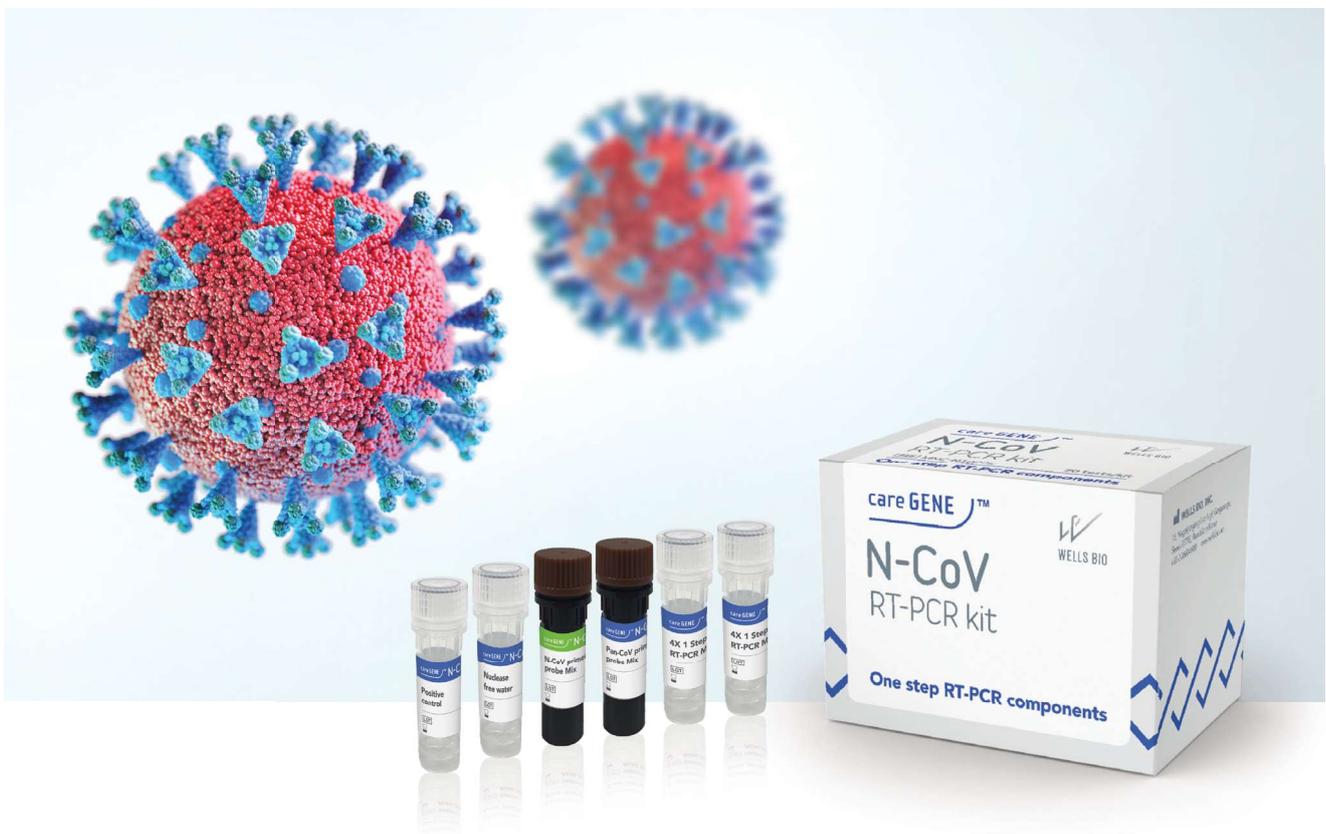


care GENE™ N-CoV RT-PCR kit

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.



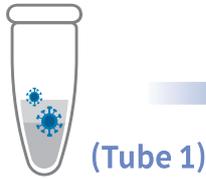
careGENE™ N-CoV RT-PCR kit Features

- ✓ Detect two gene regions and simultaneously detect beta-CoV as well as novel coronaviruses
- ✓ 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

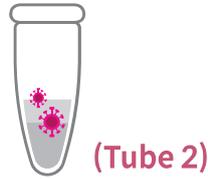
The reverse transcription (RT) and qPCR step are both conducted in the same reaction well. As the specific sequence is amplified, the taqman probe hybridized to the target is dissociated to generate fluorescence.

Screening test

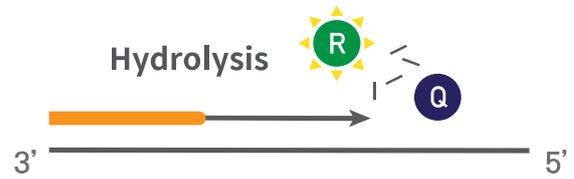


Beta CoV
(E gene) 

Confirmatory test

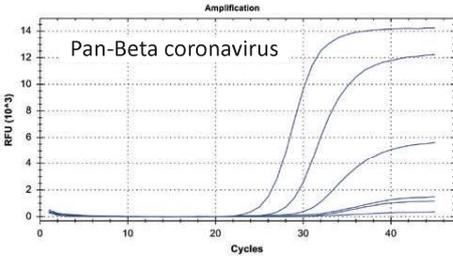
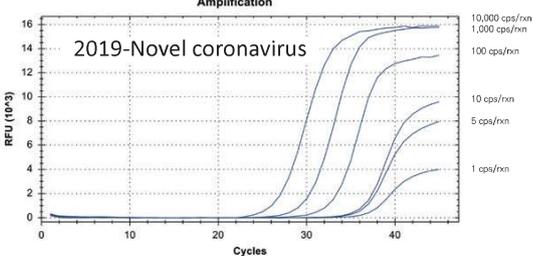


2019-Novel CoV
(RdRP 2 gene) 



 Reporter  Quencher  Exonuclease

Specification

Package Unit	100 tests/kit
Technology	Real-time reverse transcriptional PCR, Reaction time: 83 min
Performance	 
Analyte	2019-Novel CoV (COVID-19), Pan-CoV
Specimen type	Nasopharyngeal swab, Oropharyngeal swab, Sputum
Sample volume	10 µL RNA
Storage	Below -20°C
Shelf-life	12 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.	MNC-N10082
Package Unit	100 tests/kit
Kit Component	4 X 1 step RT-PCR Mix Pan-CoV primer/probe mix N-CoV primer/probe mix Nuclease free water Positive control, IFU



BR032 / Rev.A / 2020.02.03.