

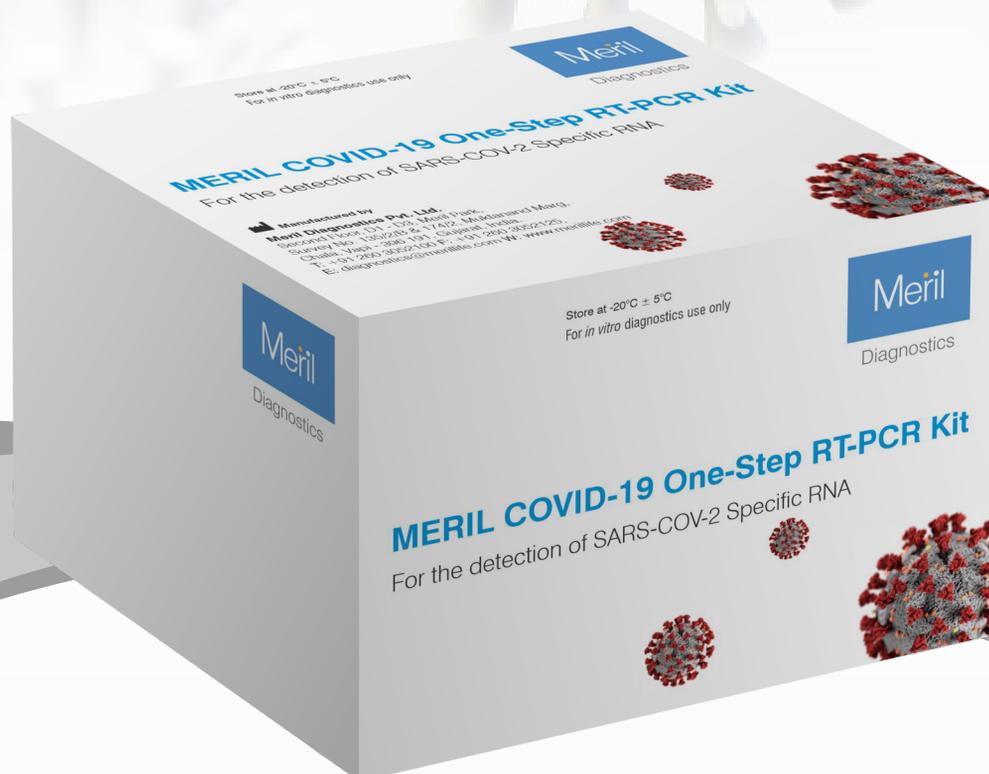
MERIL COVID-19

One-step RT-PCR Kit

Meril

Diagnostics

Meril COVID-19 One-step RT-PCR Kit is a real-time detection kit based on Multiplex PCR technology that identifies and detects the novel coronavirus (SARS-CoV-2) nucleic acids (RNA) in human serum nasopharyngeal swabs and throat swab samples. The results can be used to assist diagnosis of patients with COVID-19 infection and provide molecular diagnostic basis for infected patients.



Highlights:

- One tube reaction for identification and detection of 2019-nCoV
- One-step Multiplex Real-time RT-PCR
- Assay Time: 65mins

Specificity:

- Primer and Probe mix based on dual-target gene design
- Target gene ORF 1ab gene and nucleoprotein N gene
- No cross-reactivity with other respiratory viruses
- Specificity: 100%

Ease of Operation:

- Provides reagents required for PCR
- Compatible with real time PCR instruments with FAM, HEX/VIC, RED/ROX channels
- Provides all Internal controls

Accuracy:

- Analytical accuracy of <500 RNA copies/mL
- Repeatable and reproducible results
- Sensitivity: 100%

Evaluated by National Institute of Virology (NIV)

Principle:

The primer and probe mix for this kit adopts the dual-target gene design, which targets the specific conserved sequence encoding the ORF 1ab gene and the nucleoprotein N gene. With the PCR reaction mix provided, the amplification of template can be quantitatively monitored by the increasing fluorescence signal detected by a real time PCR instrument.

The PCR detection system includes an endogenous internal control primer and probe mix. The result of internal control provides the accuracy of sampling and extraction process, in order to avoid false negative results.

Template Compatibility:

- Nasopharyngeal swabs
- Throat swab samples
- Sputum

Kit Compatibility:

Compatible with real time PCR instruments with FAM, HEX/VIC, RED/ROX channels

Example: Qiagen Instruments, LightCycler® 480

Instrument II, Applied Biosystems™ 7500 Real-Time PCR, etc



Kit Components:

- Covid-19 Enzyme mix
- Covid-19 Primer - Probe Mix
- Enzyme Mix Buffer (5X)
- Covid - 19 PCR Positive control
- Covid - 19 PCR Negative control (DEPC-treated H₂O)

Salient Features:

- Specific detection of SARS COV-2 ORF 1ab gene and nucleoprotein N gene
- Analytical accuracy of <500 RNA copies/mL
- Repeatability and reproducible results
- No cross-reactivity with other respiratory viruses
- Simple workflow
- Assay time: 65 Mins
- Specificity: 100%
- Sensitivity: 100%

Ordering Information:

Material Code	Material Description	Pack Size
NCVPCR-02	Meril COVID-19 One-step RT-PCR Kit	96 Tests



Meril Diagnostics Pvt. Ltd.

D1 - D3, Second Floor, Meril Park, Survey No. 135/2/B & 174/2, Muktanand Marg, Chala, Vapi - 396191, India

601, Midas, Sahar Plaza Complex, J.B Nagar, Andheri East, Mumbai - 400059

Tel: +91 22 30732400 | Fax: +91 22 39350777 | Customer Care: 1-800-266-3745 (Toll Free) | Email: diagnostics@merillife.com