

2019-nCoV Primer & Probe Mixes

Product # TM67101, TM67130

Product Description

Norgen's 2019-nCoV Primer & Probe Mixes includes 3 assays in individual tubes. Each assay tube contains 2 primers and 1 TaqMan® probe which are premixed to the working concentrations recommended by the CDC. Each assay is targeting one of the two nCoV nucleocapsid target genes RNA (N1 and N2) and an RNase P which serves as an internal control. The provided 2019-nCoV Primer & Probe Mixes are based on the recommended CDC primer/probe sets.

Component	Product # TM67101 (3 assay tubes, 50 reactions per tube)	Product # TM67130 (3 assay tubes, 500 reactions per tube)
2019-nCoV_N1 Probe/Primer Mix	80 µL	850 µL
2019-nCoV_N2 Probe/Primer Mix	80 µL	850 µL
RNase P Probe/Primer Mix	80 µL	850 µL

Applications

TaqMan Probe/Primer Set for Novel Coronavirus (COVID-19, formerly 2019-nCoV) detection using real-time PCR based on the use of TaqMan® technology.

Storage Conditions and Product Stability

Store all the components at -20°C upon arrival.

Precautions and Disclaimers

This product is designed for research purposes only. It is not intended for human or diagnostic use.

Customer-Supplied Reagents and Equipment

- Real-Time PCR Instrument with FAM Channel
- 2x RT-PCR Master Mix, such as Norgen's 2X One-Step RT-PCR Master Mix (Cat# 28113, 100 reactions)
- Novel Coronavirus (COVID-19/2019-nCoV) Positive Control, such as Norgen's 2019-nCoV Positive Control (Cat# PC67102 and Cat# PC67120)

Procedures

Recommended Reaction Conditions:

- Probe/Primer Mix (1.5 µL per 25 µL RT-PCR reaction per assay tube [2019-nCoV_N1, N2, and RNase P])
- If using Norgen's Positive Control (Cat# PC67102 or Cat# PC67120), 5 µL PosC per 25 µL reaction per run. If using another positive control, follow the manufacturer's instructions

Recommended TaqMan One Step RT-PCR Assay

One Step RT-PCR Cycle	Step	Temperature	Duration
<i>Cycle 1</i>	Step 1	50°C	30 min
<i>Cycle 2</i>	Step 1	95°C	3 min
<i>Cycle 3 (45x)</i>	Step 1	95°C	3 sec
	Step 2	55°C	30 sec

For the most updated and detailed assay protocol and interpretation of results, please visit the CDC website:

<https://www.cdc.gov/coronavirus/2019-ncov/lab/rt-pcr-detection-instructions.html>

Technical Support

Contact our Technical Support Team between the hours of 8:30 and 5:30 (Eastern Standard Time) at (905) 227-8848 or Toll Free at 1-866-667-4362. Technical support can also be obtained from our website or through email at techsupport@norgenbiotek.com