

2019-nCoV Positive Control

Product # PC67102, PC67120

Component	Product # PC67102	Product # PC67120
2019-nCoV Positive Control	50 µL	500 µL

Product Description

Norgen's 2019-nCoV Positive Control contains two nCoV nucleocapsid target gene RNA (N1 and N2) and RNase P (internal control) which are compatible with the CDC primer/probe set. Controls are delivered at a concentration of 2,000,000 copies/µL.

Intended Use

Norgen's 2019-nCoV Positive Control is designed for research use only to detect COVID-19 (2019-nCoV) using the CDC published primer/probe sequences and protocol. For the most updated protocol, please visit the CDC website (<https://www.cdc.gov/coronavirus/2019-ncov/lab/rt-pcr-detection-instructions.html>).

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) detection primer/probe set, such as Norgen's 2019-nCoV Primer & Probe Mixes (Cat# TM67101, 50 reactions or Cat# TM67130, 500 reactions) or the CDC primer/probe set

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])
- For Norgen's Positive Control (Cat #PC67102 and #PC67120), 5 µL PosC per 25 µL reaction per run.

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@norgenbiotech.com