



# ProTect™ Covid-19 RT-PCR Kit

The kit contains all the necessary reagents for the accurate detection of all strains of the SARS-CoV-2 virus. It employs the reverse-transcription polymerase chain reaction (RT-PCR) method to detect multiple genes on the virus to ensure accurate detection down to 10 copies per reaction. The RT-PCR method is the gold standard for diagnosis of Covid-19 and is the recommended protocol for all countries.

## Features



Detects for multiple genes for better accuracy



Sensitivity down to 10 copies/reaction



Covers all different strains



Manufactured in Singapore under ISO13485 certification



CE marked. Submitted for US FDA EUA



Results in under 1.5 hours



Received Singapore HSA approval



Clinically validated by third party hospital

## Reagents Supplied

Each kit provides reagents sufficient for performing 100 tests and consists of the following:

- ProTect™ one-step RT-qPCR reagent
- Ready-to-use primer and probe mixes for N1, N2 and RNase P genes
- Nuclease-free water
- Positive Controls



For in-vitro diagnostic use

## Product Information

<b>Test Principle</b>	One-step RT-qPCR (TaqMan®-based detection)
<b>Targets</b>	N1, N2 (SARS-CoV-2 virus) and RNase P (Human)
<b>Number of Tests</b>	100/kit (Cat. No. 10027)
<b>Compatible Specimen Type</b>	Upper respiratory nasopharyngeal specimens (i.e. nasopharyngeal swabs)
<b>Limit of Detection<sup>^</sup></b>	10 copies RNA per reaction (N1, N2)
<b>Precision<sup>^</sup></b>	<2%
<b>Specificity</b>	Detects only SARS-CoV-2 based on in silico sequence validation

<sup>^</sup>Validated on QuantStudio™ 3 Real-Time PCR System (Applied Biosystem)

## Ordering Information

Product Name	Description	Cat. No.
ProTect™ COVID-19 RT-qPCR Kit	100 Tests	10027