

ProTect™ Covid-19 RT-qPCR Kit 2.0

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 5 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



Multiplexed, High throughput test



Sensitivity down to 5 copies/reaction



Detects for multiple genes for better accuracy



Manufactured in Singapore under ISO13485 certification



Covers all different strains



Results in under 1.5 hours



Received Singapore HSA Provisional Authorisation and CE marking



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 mix for N1, N2 and RNase P genes
- Nuclease-free water
- Positive Controls



For in-vitro diagnostic use

Product Information

Test Principle	One-step RT-qPCR (TaqMan®-based detection)
Targets	N1, N2 (SARS-CoV-2 virus; FAM-labelled) RNase P (Human; HEX-labelled)
Number of Tests	100/kit (Cat. No. 10029)
Compatible Specimen Type	Upper respiratory nasopharyngeal specimens (i.e. nasopharyngeal swabs)
Limit of Detection[^]	5 copies RNA per reaction
Precision[^]	<2%
Specificity	Detects only SARS-CoV-2 based on in silico sequence validation

[^]Validated on QuantStudio™ 3 Real-Time PCR System (Applied Biosystem)

Ordering Information

Product Name	Description	Cat. No.
ProTect™ COVID-19 RT-qPCR Kit 2.0	100 Tests	10029