

Specifications

Catalogue Number	DV101
Package	48 tests/kit 200 tests/kit
Storage Conditions	Store the kit at -20±5°C
Shelf Life	12 months
Fluorescent Detectors (Dye)	FAM (<i>ORF1ab</i> gene)/VIC (<i>N</i> gene)/Cy5 (internal control- <i>RP</i> gene)
Reaction Volume	25 µL
Applicable Instruments*	ABI 7500, ABI QuantStudio 3, Bio-Rad CFX9

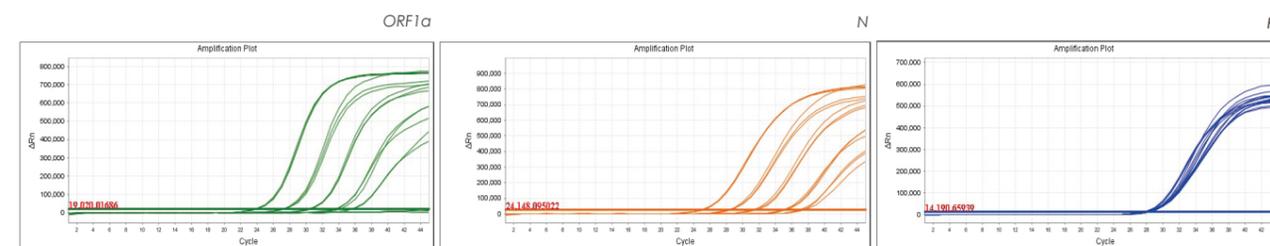
* Please contact our Technical Support team for other instruments.

Components

Component Name	Main Constituents	Specifications and Quantity	
		48 tests	200 tests
SARS-CoV-2 PCR Reaction Mix	Reaction buffer, dNTPs, etc.	720 µL×1 tube	1000 µL×3 tube
SARS-CoV-2 PCR Enzyme Mix	Reverse transcriptase, RNase inhibitor, Taq DNA polymerase, uracil-DNA glycosylase (UDG)	48 µL×1 tube	200 µL×1 tube
SARS-CoV-2 PCR Primer/Probe Mix	Primers and probes for <i>ORF1ab</i> , <i>N</i> genes and the internal control- <i>RNase P</i> gene (<i>RP</i>)	192 µL×1 tube	800 µL×1 tube
SARS-CoV-2 Positive Control	In vitro transcribed RNA for <i>ORF1ab</i> , <i>N</i> genes and the internal control- <i>RP</i> gene	50 µL×1 tube	200 µL×1 tube
SARS-CoV-2 Negative Control	RNase-free Water	50 µL×1 tube	200 µL×1 tube

Performance

High sensitivity, high amplification efficiency



Serial dilutions (5×10^6 copies/mL- 5×10^2 copies/mL, 10-fold dilution) of the SARS-CoV-2 Virus in vitro transcribed RNA standard and constant concentration of RNA from Hela cells were prepared as templates, and *ORF1a*, *N* and *RP* genes (internal control gene) were amplified using TransGen product. The results show that TransGen product has high amplification efficiency and sensitivity.

Reminder

If you have any questions, please contact us by customer service hot line +86-400-898-0321

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SARS-CoV-2 Nucleic Acid Detection Kit ^{CE}

► (Multiplex Real Time RT-PCR)

Highlights

- Efficiently synthesize RNA into first-strand cDNA for qPCR. It is easy to operate, reducing the chance of contamination during operation.
- Triple detection, targeting the double segments of SARS-CoV-2 virus 2019-nCoV *ORF1ab* gene and *N* gene, and including an endogenous control to reduce false-negative results.
- UDG enzyme and dUTP are used to effectively prevent PCR product contamination and ensure accurate data.
- High specificity and high sensitivity (500 copies/mL).

