

# SARS-CoV-2 Nucleic Acid Detection Kit

(Direct Real-time RT-PCR Method)

Rapid and reliable screening of SARS-CoV-2 is fundamental to assess the viral spread and limit the pandemic. One of the most important aspects of prompt response is developing rapid testing. With the pandemic reaching higher numbers, testing speed is crucial and affects outbreak control.

Tianlong SARS-CoV-2 Nucleic Acid Detection Kit is intended for the qualitative detection of SARS-CoV-2 nucleic acid by direct Real-time reverse transcription Polymerase Chain Reaction (Direct Real-time RT-PCR) method. The kit is designed to detect SARS-CoV-2 RNA directly from nasopharyngeal or oropharyngeal swabs without RNA extraction step.



✓ **Direct amplification without RNA extraction**

✓ **Rapid testing and report in only 45 minutes**

## Features



### Rapid Testing

Direct amplification without RNA extraction can tremendously shorten detection time and report in only 45 minutes



### Prevent Contamination

Direct Real-time RT-PCR Method reduces the sample handling time which will decrease the probability of contamination across the samples



### Cost-effective

Direct amplification can reduce testing costs by eliminating the extraction phase of the samples handling workflow



### Internal Control

The use of internal control system in the kit can effectively prevent false negative results



### Easy-to-use

Low sample demand and only 5ul for detection



### High Precision

The coefficient of variation of the Ct values (CV%) is less than 5%

## Ordering Information

Product Name	SARS-CoV-2 Nucleic Acid Detection Kit (Direct Real-time RT-PCR Method)
Cat.No	P761H
Specification	50T/Kit
Specimen	Nasopharyngeal or oropharyngeal swabs
Sensitivity	1000 copies/ mL
Target Gene	RdRP, N
Storage & Validity	-25°C~-15°C for 12 months
Applicable Equipment	Instruments with FAM, VIC (HEX), Cy5 fluorescence channels such as Tianlong Gentier Real-time PCR Systems

## Accessories

Product Name	Sample Collection Set
Order Code	T319H
Specification	10T/ Kit
Specimen	Nasopharyngeal swab or oropharyngeal swab
Storage & Validity	Storage under room temperature; Validity for 12 months
Usage	Storage and transportation of human specimen

Note: Tianlong SARS-CoV-2 Nucleic Acid Detection Kit (Direct Real-time RT-PCR Method) (P761H) should be used together with Tianlong Sample Collection Set (T319H).

## Assay workflow



Version 3.0

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