INStest™

SARS-COV-2 RT-qPCR Assay For Confident COVID-19 Diagnosis

Triple Fluorescence RT-PCR Method

- INSTEST **SARS-COV-2 RT-qPCR Assay** is a real-time (rt) reverse transcriptase (RT) polymerase chain reaction (PCR) test intended for the qualitative detection of ORF1ab and N genes of the SARS-CoV-2 in nasopharyngeal (NP) swab, oropharyngeal (OP) swab and sputum specimen. These specimens should be collected by a healthcare professional after a medical provider advises the patient to undergo testing.
- The SARS-COV-2 RT-qPCR Assay is applicable to fluorescent quantitative PCR Analyzers with FAM, HEX/VIC, TEXAS, and RED/ROX channels.

I High Accuracy

Limit of Detection: 200 copies/mL
Sensitivity: 100 %
Specificity: 99.1%
Accuracy: 99.3%

I Convenient Operation

Triplex-detections in a single tube
(ORF1ab & N genes, human RNAse P (RNP) gene)
Primer and probe premixed liquid form

I Reliable

Anti-pollution system: UDG
Internal control： Human RNaseP (RNP) gene
Positive control: Pseudovirus

I Fast

Result in about 1 hour

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1. Specimen Collection

Product: Virus Specimen Stabilizer
Cat.No.: VS-ACOP50
Storage and Stability:
15 ~ 25°C for 12 months.

Advantages:

Quickly inactivate the virus, eliminate the risk of infection
Protects the integrity of the nucleic acid

3. PCR Testing

Product: SARS-COV-2 RT-qPCR Assay
Cat.No.: ICO-ACOP50
Limit of Detection: 200 copies/mL
Storage and Stability: stored at -30 ~ -15°C with protection from light for 6 months.

* The test can eliminate the non-specific interference of SARS2003 strain and BatSARS-like virus strain, ensuring accurate detection of SARS-COV-2 virus.

2. Sample Processing (Virus RNA Extraction)

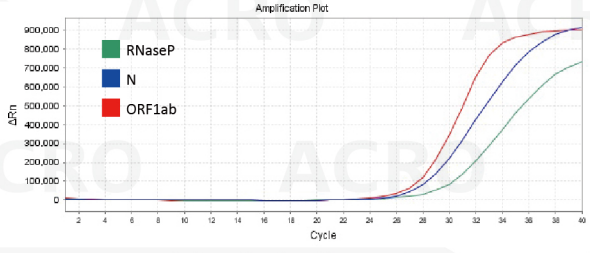
Product:
Virus Nucleic Acid Extraction Kit (spin column)
Cat.No.: VNE-ACOP50
Storage and Stability:
Room Temperature for 12 months.

Advantages:

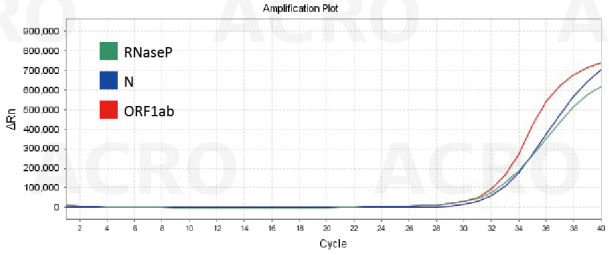
Fast: Obtain high-purity nucleic acid within 10 minutes

Components	Amount 50 tests	Amount 100 tests
Lysis Solution	18 mL	36 mL
Washing Buffer	15 mL	30 mL
Elution Buffer	3 mL	6 mL
Adsorption Columns	50 tubes	100 tubes
Collection Tubes (2 mL)	50 tubes	100 tubes
Collection Tubes (1.5 mL)	50 tubes	2 x 50 tubes
Package Insert	1	1

Components	Amount 50 tests	Amount 100 tests	Ingredient	Cap Color
Reaction Mix	675μl*2 tubes	900μl*3 tubes	Orf1ab, N genes and Human RNaseP (RNP) gene primers and probes, Buffer, deoxy-ribonucleoside triphosphate (dNTPs)	
Enzyme Mix	200μl*1 tube	400μl*1 tube	RNase Inhibitor, UDG, Reverse Transcriptase, Taq DNA polymerase	
Positive Control	125μl*1tube	250μl*1tube	RAN Pseudovirus Containing Target Gene (Orf1ab, N genes and Human RNaseP (RNP) gene)	
Negative Control	125μl*1tube	250μl*1tube	DEPC-Treated Water	
Package insert	1	1	/	/



Test results of positive sample



Test results of weak positive sample

Ordering Information

Cat. No.	Product Description	Pack	CE Status
ICO-ACOP50	SARS-COV-2 RT-qPCR Assay	50 T/100T	CE
VNE-ACOP50	Virus Nucleic Acid Extraction Kit	50 T/100T	CE
VS-ACOP50	Virus Specimen Stabilizer	50 T/100T	CE