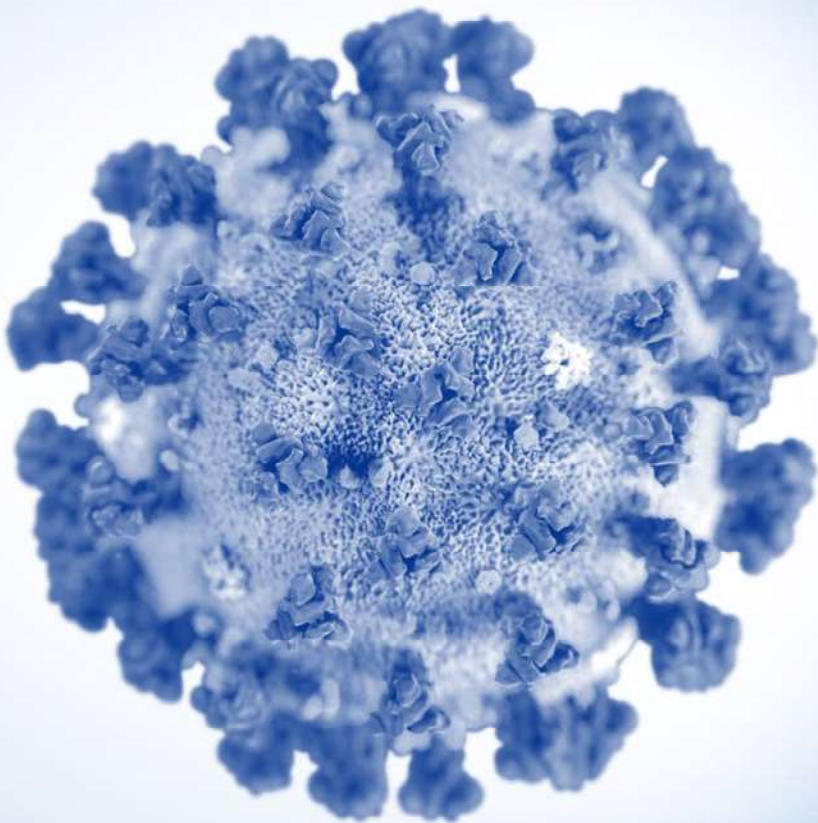


# Genelix™

## COVID-19 Real-Time PCR Kit



# COVID-19

CORONAVIRUS DISEASE 2019

## DESCRIPTION

- Genelix™ COVID-19 Real-Time PCR Kit is an in vitro diagnostic medical device that diagnoses Coronavirus disease 2019 (COVID-19) in samples (sputum, oropharyngeal and nasopharyngeal swabs) of suspected patients with respiratory infections.
- Genelix™ COVID-19 Real-Time PCR Kit is able to confirm the presence or absence of a novel Coronavirus infection by amplifying and detecting the specific genes (RdRp, E gene) of SARS-CoV-2 using Reverse Transcriptase Real-time PCR technique.
- Genelix™ COVID-19 Real-Time PCR Kit is compatible with CFX 96™ (Bio-Rad) and AB7500 Fast (Thermo Fisher Scientific) for detection of SARS-CoV-2.



## PROTOCOL

TEST PRINCIPLE	ONE-STEP REVERSE TRANSCRIPTION REAL-TIME PCR
Targets	RdRp, E gene
Size	100 tests
Specimen Type	Sputum, oropharyngeal and nasopharyngeal swabs
Compatibility	AB7500 Fast (Thermo Fisher Scientific) CFX 96™ (Bio-Rad)
Storage	- 20℃

## KIT CONTENTS

REAGENT	VOLUME
RT PCR Reaction Mixture	1,000 µl
RT PCR Primer/Probe Mixture(RdRp&E)	400 µl
RT PCR Internal Control	100 µl
RT PCR Positive Control	50 µl
RT PCR Negative Control	50 µl

## WORK FLOW



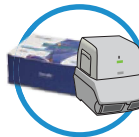
Specimen Collection



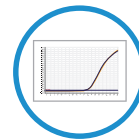
Viral RNA Extraction



Reagent Preparation



RT-PCR Amplification



Interpretation of Results