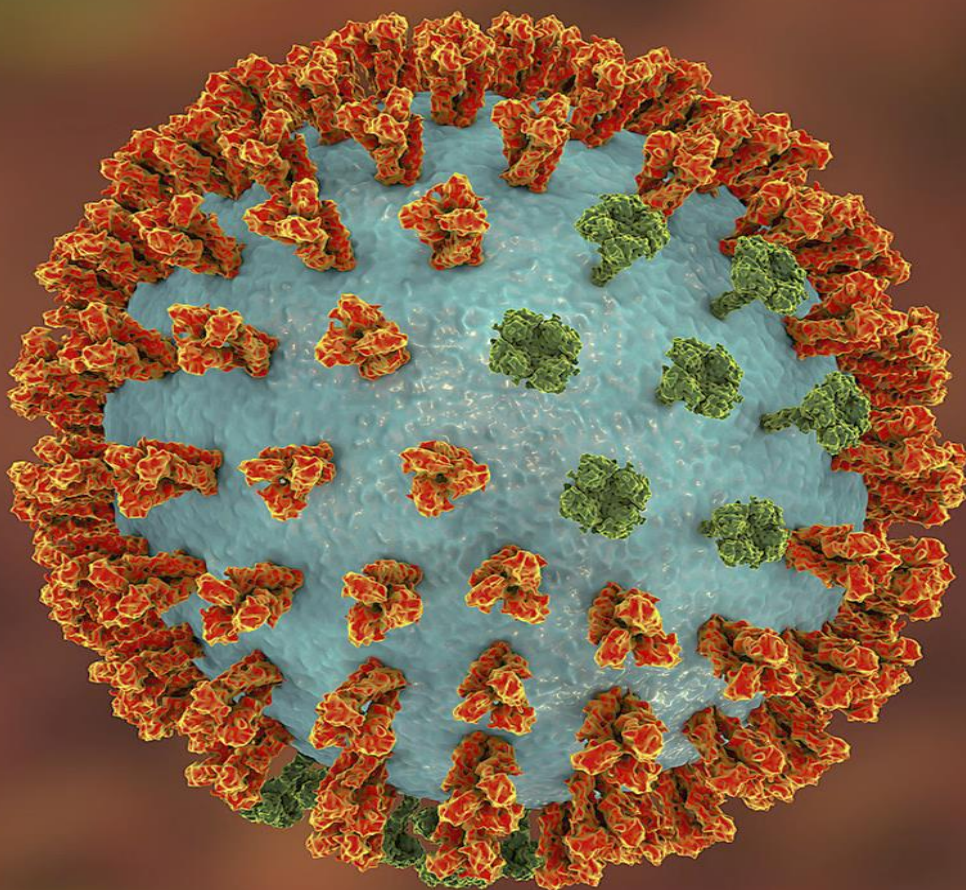


# COVID-19

## *LiliF™ COVID-19 Real-time RT-PCR Kit*

*Submitted by the Emergency use Approval in K-CDC and USA, FDA*



## LiliF™ COVID-19 Real-time RT-PCR Kit

LiliF™ COVID-19 Real-time RT-PCR Kit can detect RdRp and E gene, markers for detecting new coronaviruses. Also, N gene suggested by the US CDC and RNaseP gene which can confirm the validity of all test reactions are adopted and designed for simultaneous detection.

### DETECTION TARGET GENE

- RdRp (COVID-19) gene / Recommended by WHO
- E (Beta-coronavirus) gene / Recommended by WHO
- N (COVID-19) gene / Recommended by US CDC



### Process of Molecular Diagnosis

#### Sample collection

Sputum, Bronchoalveolar lavage fluid  
Nasopharyngeal swab (NS)  
Oropharyngeal swab (OS)



#### Extraction & Auto System

Stable extraction of DNA/RNA from  
pathogenic samples  
Spin column & Automatic type



#### Molecular Diagnostics

High Specificity & Sensitivity  
LiliF™ COVID-19 Real-time Kit



#### Extraction Part

- Patho Gene-spin™ DNA/RNA Extraction Kit
- Miracle-AutoXT Automated Nucleic Acid Extraction System

#### Detection Part

- LiliF™ COVID-19 Real-time RT-PCR Kit (MasterMix)

## LiliF™ COVID-19 Real-time RT-PCR Kit



- MasterMix type, **easy to apply** to all equipment tube
- **All Real-time device** line compatibility
- Convenient COVID-19 test with Mastermix type

**IVD** In Vitro Diagnostic

**REF** IPH21505.50

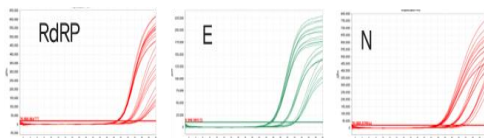
$\Sigma$  50

 -20°C

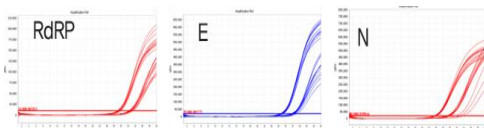
No	Component	Ingredient
1	2X RT-PCR mix	dNTPs (dATP/dTTP,dGTP,dCTP) Hot start Taq DNA Polymerase Reverse Transcriptase,
2	RdRp/E Detection solution	RdRp Primers/probe E Primer/Probe
3	N/RNaseP Detection solution	N Primer/probe RNase P Primer/probe
4	Positive Control	Non-infectious plasmid DNA(microbial) containing bertacoronavirus E gene / COVID-19 RdRp gene / COVID-19 N gene / human RNase P gene sequences
5	DNase/RNase Free Water	No template control, 100% DNase/RNase Free Water

## Analytical Specificity / Test Results

### Freeze thaw stability



### Storage stability



### Cross reaction test

Each sample added to the cross-reaction test does not cause cross-reaction and does not affect amplification of the positive standard.

### Interference Test

Confirm that no interference reactions occur against various antiviral agents, antibiotics and human-derived substances

## Ordering Information

No	Product Name	Cat. No.
1	LiliF™ COVID-19 Real-time RT-PCR Kit	IPH21505.50
2	Miracle-AutoXT Nucleic Acid Extraction System	IMC-NC15PLUS
3	AutoXT PGS DNA/RNA Kit	17168-96
4	Patho Gene-spin DNA/RNA Extraction Kit	17154