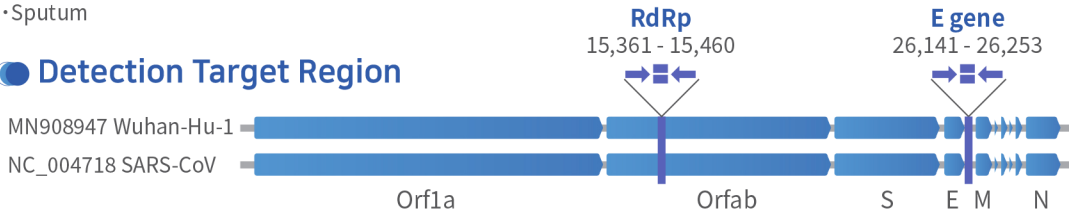


# 1copy<sup>TM</sup> COVID-19 qPCR Kit

## ● Specimen type

- Nasopharyngeal swab
- Oropharyngeal swab
- Sputum

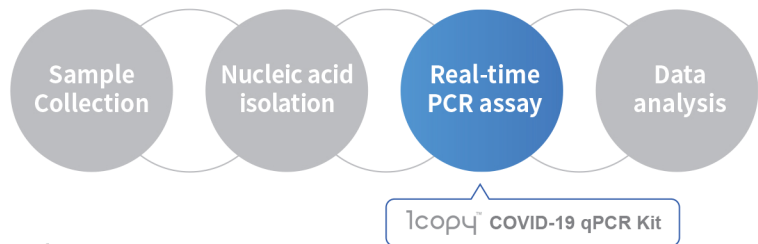
## ● Detection Target Region



## ● Real-time PCR instruments

- Roche Light Cycler® 480
- Qiagen Rotor-Gene® Q 5plex HRM
- Applied Biosystems® Quantstudio5
- Applied Biosystems® 7500 Real-Time PCR system
- Bio-RAD CFX96™ Real-Time PCR Detection system

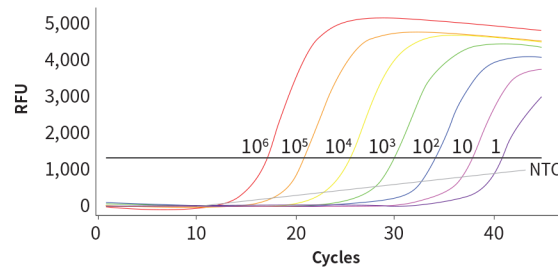
## ● Process



## ● Specification

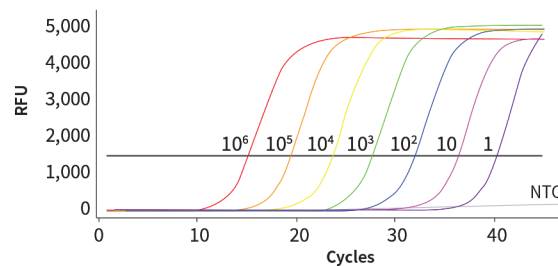
	RdRp gene Detection rate	E gene Detection rate
10 <sup>3</sup> copies	100%	100%
10 <sup>2</sup> copies	100%	100%
10 copies	100%	100%
8 copies	100%	100%
4 copies	98%	97%
2 copies	90%	87%
1 copy	78%	64%
0 copy	0%	0%

### • RdRp gene



• LoD = 0.2copy/μl  
= 4copies/reaction

### • E gene



• LoD = 0.2copy/μl  
= 4copies/reaction

## ● Materials Provided

Kit contents	Cap	Volume (100 Test)
Master mix	● Red	2 x 1000 μl
Primer.Probe mix (E gene)	● Brown (Amber tube)	100 μl
Primer.Probe mix (RdRp gene)	● Brown (Amber tube)	100 μl
Control 1 (E gene)	● Yellow	100 μl
Control 2 (RdRp gene)	● Yellow	100 μl
DEPC Water	● Clear	1000 μl

