

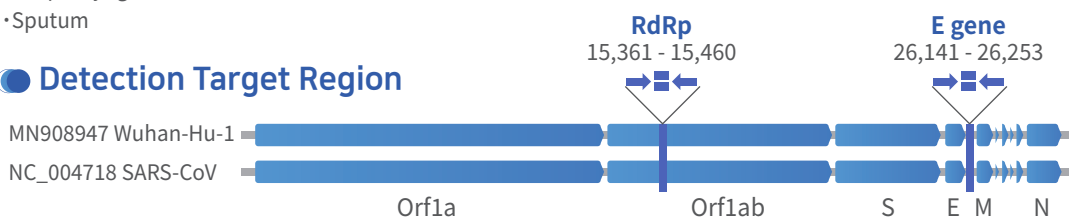
1copyTM

COVID-19 qPCR Kit

Specimen type

- Nasopharyngeal swab
- Oropharyngeal swab
- Sputum

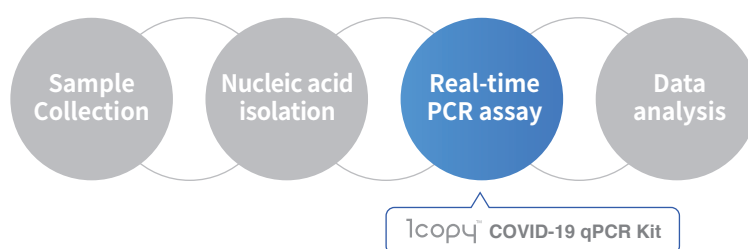
Detection Target Region



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

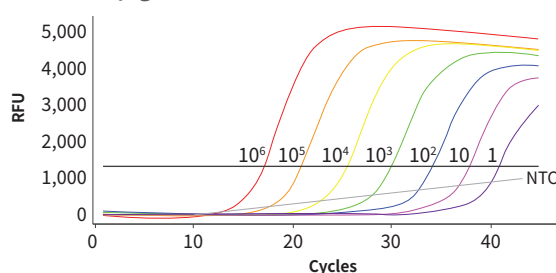
Process



Specification

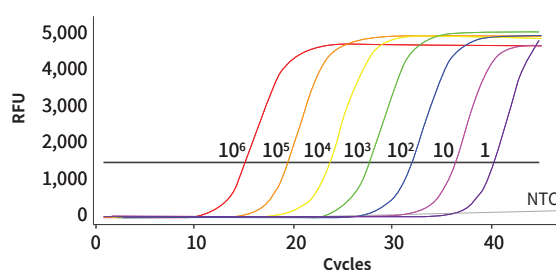
	RdRp gene Detection rate	E gene Detection rate
10 ³ copies	100%	100%
10 ² copies	100%	100%
10 copies	100%	100%
8 copies	100%	100%
4 copies	98%	97%
2 copies	90%	87%
1 copy	78%	64%
0 copy	0%	0%

• 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

