

KANEKA Direct RT-qPCR Kit "SARS-CoV-2"

This innovative diagnostic testing kit offers our unique One-step sample treatment method, which allows detections of SARS-CoV-2 in just 1 hour. This product is co-developed with AVSS Co., Ltd.

Main Features

- RNA purification is NOT required (supports: Nasal swab / Saliva)
- Quick results (approx. 1 hour from sample pretreatment to detection)
- Reaction solution volume 25uL, FAM used for fluorescence detection

This kit has been validated in a government report, "Validation of 2019-nCoV gene testing method in which evaluation results were obtained using clinical specimens" (by the National Institute of Infectious Diseases and the Ministry of Health, Labor and Welfare of Japan) and the kit is covered by public medical insurance in Japan.

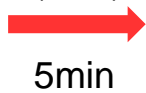
Protocols

RNA Extraction Reagent

Samples (nasal swab and saliva)

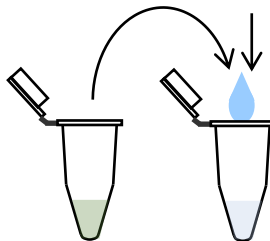


Heat Treatment
(85°C)



5min

RT-PCR Enzyme Mix
SARS-CoV-2 Primer & Probe Mix^{*1}
RNase Free Water
(ROX Reference (High))/(Low)^{*3}

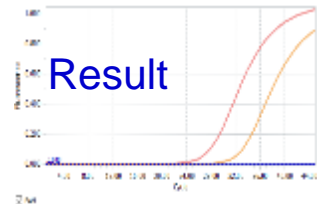


Prep solution

One STEP
RT-qPCR^{*2}



Approx.
55min



*1 Primer & Probe Mix uses the sequences listed below (Subjects: N1, N2) by the US CDC. 2019-Novel Coronavirus(2019-nCoV) Real-time RT-PCR Panel Primers and Probes (Effective : 24 Jan 2020)

* 2 The performance of this kit has been confirmed by the following real-time PCR devices.

- LightCycler® 96 System (Roche Diagnostics)
- LightCycler® 480 System II (Roche Diagnostics)
- QuantStudio 3 Real-Time PCR System (96well, 0.2 mL block) (Thermo Fisher Scientific)

* 3 Add when using a real-time PCR device that requires ROX correction.

Product Information

Product Code	Product Name	Volume	Price
KN-T101101	KANEKA Direct RT-qPCR Kit "SARS-CoV-2"	100 Tests	Please Contact Dealers / Distributors

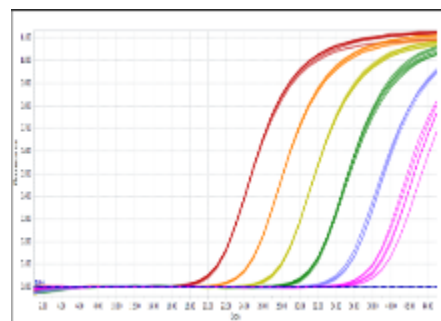
Evaluation Data (1)

The detection results for each virus concentration of SARS-CoV-2 are as follows: (Samples: Nasal swab, 10 positive samples and 15 negative samples)

Sample#	Virus CONC. (copies/assay)	KANEKA Results	NIID Results
1	179,728	Positive	Positive
2	29,402	Positive	Positive
3	10,762	Positive	Positive
4	2,414	Positive	Positive
5	949	Positive	Positive
6	103	Positive	Positive
7	86	Positive	Positive
8	34	Positive	Positive
9	16	Positive	Positive
10	16	Positive	Positive
11~25	0	Negative	Negative

Evaluation Data (2)

As a result of reacting with synthetic RNA of 5, 50, 500, 5,000, 50,000, 500,000 copies per reaction as a template, up to 5 copies can be detected, and the result with linearity in the range of 5 to 500,000 copies is obtained. (LightCycler® 96 System by Roche Diagnostics)



Components of the Kit

Components	Volume	Storage Temp.
RNA Extraction Reagent	250 µL×1	-20°C
RT-PCR Enzyme Mix	625 µL×2	
SARS-CoV-2 Primer & Probe Mix	250 µL×1	
RNase Free Water	1 mL×1	
ROX Reference (High)	250 µL×1	
ROX Reference (Low)	250 µL×1	



KANEKA

The Dreamology Company
— Make your dreams come true —

Manufacturer:

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Dealers/Distributors