BioCore 2019-nCoV Real Time PCR Kit

Product	Volume	Cat. No.	Method
BioCore 2019-nCoV Real Time PCR Kit	100 tests ~400 tests	BC01-0099	RT-PCR

DESCRIPTION

- · Detection of Sars-CoV-2 with Reverse transcription Real-time PCR (TAT 2.0 hr)
- · Amplify N gene and RdRp(orf1ab) gene of Sars-CoV2

AVAILABLE SAMPLE TYPE

- · Sputum
- · Oropharyngeal (OP) and nasopharyngeal (NP) swabs

SPECIFICATION

- 2019-nCoV RT PCR Reaction Mix
- 2019-nCoV RT PCR Primer/Probe Mix
- · 2019-nCoV RT PCR Positive Control
- · 2019-nCoV RT PCR Negative Control



ANAYLITICAL PERFORMANCE

1. Limit of Detection (LOD)

In CFX96

Conc. (copies/μℓ)	Sars-CoV-2 RNA						
Colic. (copies/ µk)	1000	500	250	100	50	10	5
No. of Test	24	24	24	24	24	24	24
Positive No. of Sars-CoV-2	24	24	24	21	11	0	0
Positive rate (%)	100	100	100.0	87.5	45.8	0	0
95% Probit analysis	95% Probit analysis : 126.43 copies/ul (95% confidence interval: 95.36 $^{\sim}$ 263.13 copies/ul)						

2. Cross-reactivity in other microorganisms

(NA: not detected)

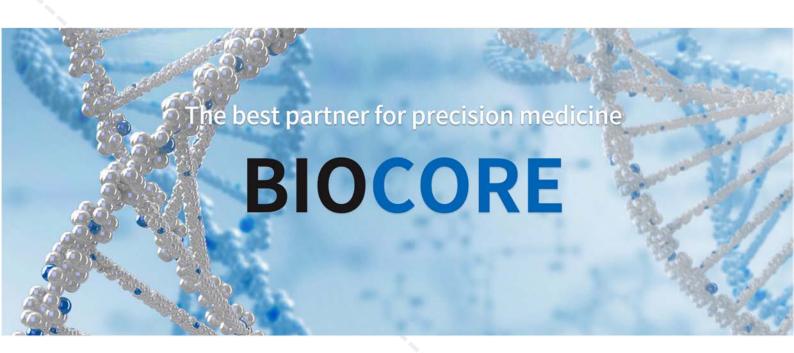
	Strain	Result		Strain	Result		Strain	Result
1	Influenza virus A H1N1	NA	10	Corona Virus_HKU-1	NA	19	Adenovirus type 3	NA
2	Influenza virus A H3N2	NA	11	Metapneumovirus	NA	20	Adenovirus type 31	NA
3	Influenza virus A Pdm2009 Pdm2009	NA	12	Rhinovirus A	NA	21	Coxsackievirus A3	NA
4	Influenza virus B	NA	13	Rhinovirus B	NA	22	Coxsackievirus B3	NA
5	RSV A2	NA	14	Parainfluenza virus 1	NA	23	Echovirus 6	NA
6	Rhinovirus 1A	NA	15	Parainfluenza virus 2	NA	24	Echovirus 7	NA
7	Corona Virus_229E	NA	16	Parainfluenza virus 3	NA	25	Enterovirus 68	NA
8	Corona Virus_0C43	NA	17	Parainfluenza virus 4	NA	26	Enterovirus 71	NA
9	Corona Virus_NL63	NA	18	Adenovirus type 1	NA			

CLINICAL PERFORMANCE

No.	Sample type	Clinical Sensitivity	Clinical Specificity		
1	Sputum	100% 95% CI: 95.4-100.0	100% 95% CI: 95.4-100.0		
2	OP and NP swabs swabs	100% 95% CI: 95.4-100.0	100% 95% CI: 95.4-100.0		







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