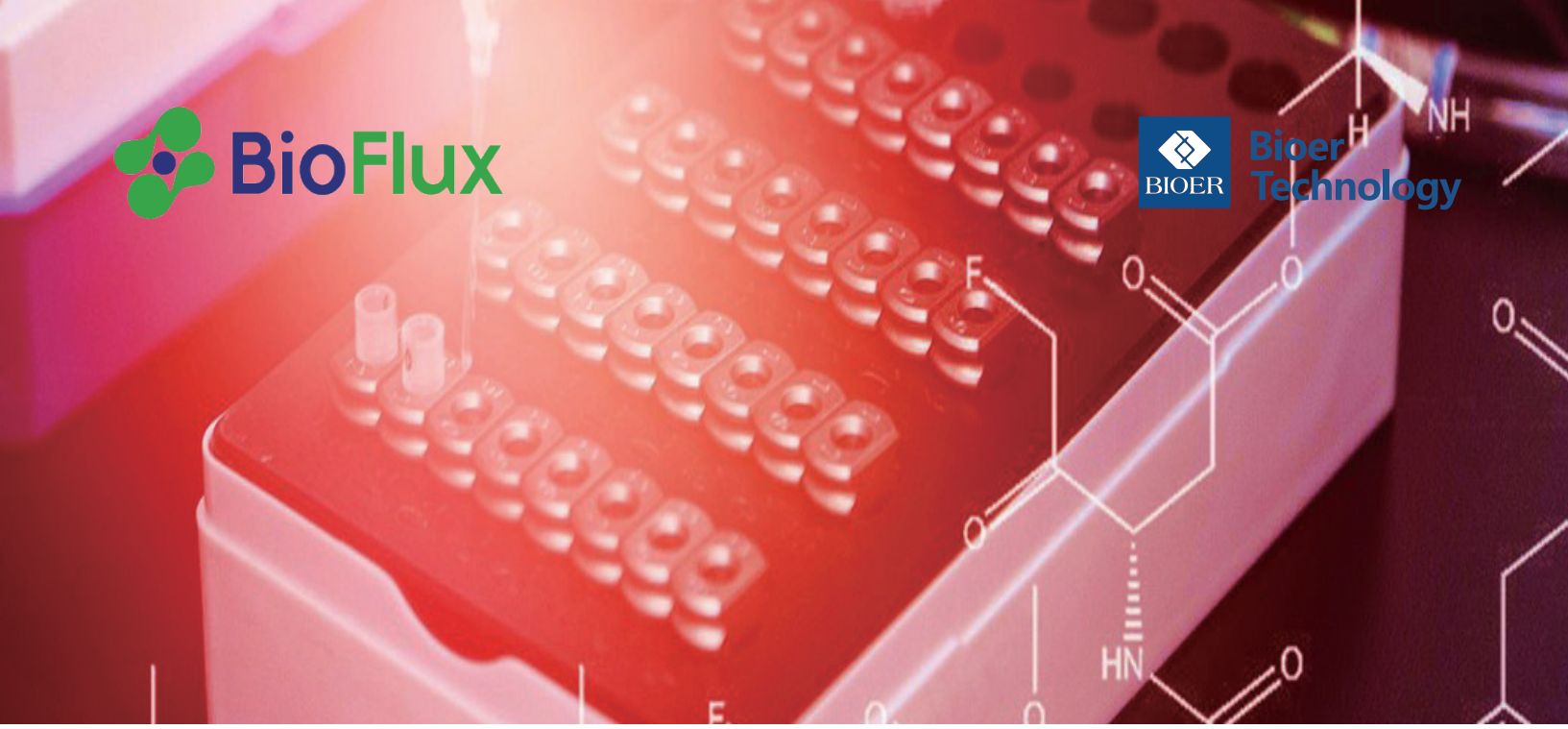


SARS-CoV-2 Lyophilized Nucleic Acid Detection Kit

Product Introduction

This real-time RT-PCR test kit is designed for the qualitative detection of SARS-CoV-2 RNA from human nasopharyngeal swabs, oropharyngeal swabs, sputum, alveolar lavage fluid specimens. This kit is a real-time reverse transcription polymerase chain reaction (rRT -PCR) detection kit, specially targeting ORF1ab gene and N gene of SARS-CoV-2. It also targets endogenous internal control (β-globin gene) to monitor the quality of the specimen collection and extraction process. The lyophilized powder is designed for easy storage and transportation while ensuring the sensitivity and accuracy of the kit.

Product Features

- **Extremely strong thermal stability**
  Resistant to high temperature treatment, unchanged performance.
- **Transportation**:≤37℃
  The lyophilized kit does not need cold chain transportation and greatly improves the convenience of transportation
- **One step method**
  Full component lyophilized, avoid the loss of high viscosity components such as enzymes, more easy to operate.
- **Wide detection range**
  Samples conclude human nasopharyngeal swabs, oropharyngeal swabs, sputum and alveolar lavage fluid specimens.
- **Strong specificity**
  There was no cross reaction with other kinds of common clinical pathogens, and the common interferences did not affect the kit.

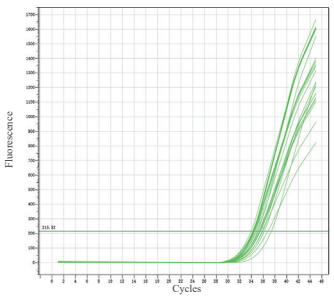
Specifications

Components	SARS-CoV-2 reaction mixture (lyophilized)、ultrapure water、 SARS-CoV-2 positive control
Pack Size	12×8T/Kit; 96T/Kit
Storage Conditions	1. Store between -25℃ to 8℃ away from light, valid for 12 months 2. Lyophilized reaction mixture after reconstitution with water: Store between -25℃ to -15℃. Away from light, valid for 1 week
Transportation Conditions	≤37℃, stable for 3 months
Test Samples	Human nasopharyngeal swabs, oropharyngeal swabs, sputum, alveolar lavage fluid specimens
Special Instrument	UltraFast QPCR, and regular Real-Time PCR Systems such as LineGene 9600 Plus, QuantGene 9600, ABI 7500, LightCycler96, TL988, SLAN Real-Time PCR System

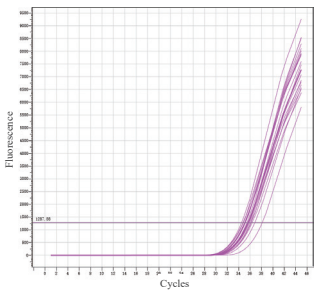
Application case

The standard SARS-CoV-2 nucleic acid was diluted to 500copies/mL and 400copies/mL with 2ng/ L human genomic DNA product, respectively. Each concentration was repeated 20 times. The results were as follows:

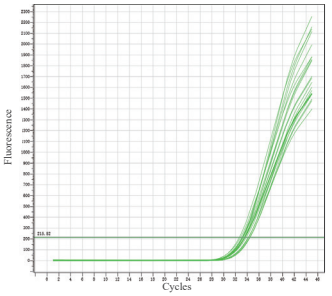
500 copies/mL		400 copies/mL	
FAM(N gene)	VIC(O gene)	FAM(N gene)	VIC(O gene)
33.89	34.26	36.97	36.61
34.78	35.23	35.73	35.28
34.53	35.17	34.52	34.98
33.91	34.86	35.33	35.72
33.86	34.65	34.81	35.41
33.77	34.26	36.13	36.19
34.45	34.98	35.47	35.82
33.46	34.66	35.77	36.36
33.19	33.69	34.72	35.07
33.56	34.23	36.45	37.08
34.12	34.53	35.49	36.02
33.80	34.53	34.61	35.34
34.52	34.81	35.15	35.87
33.60	34.19	34.21	34.76
33.39	33.96	37.66	38.41
33.56	34.21	34.49	35.41
36.24	36.44	36.07	36.45
35.53	36.09	34.97	35.45
32.94	33.28	35.66	35.95
34.76	35.24	35.72	35.85



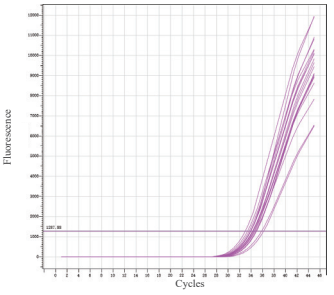
FAM (N gene)-400 copies/mL



VIC (O gene)-400 copies/mL



FAM (N gene)-500 copies/mL



VIC (O gene)-500 copies/mL

Ordering Information

Product Name	Cat#	Package	Price	Notes
SARS-CoV-2 Lyophilized Nucleic Acid Detection Kit	BSJ18S1	96T/Kit	Inquiry	Stored at -25 ~ 8 ℃ away from light
	BSJ18S1S	12×8T/Kit	Inquiry	Stored at -25 ~ 8 ℃ away from light

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