

COVID-19 VIRUS

Detection Scheme



COVID-19 is a variant of coronavirus that was identified in Wuhan viral Pneumonia cases in Dec. 2019. Since its identification, the virus has rapidly spread widely and has caused a huge impact on the health and economic development.

High sensitivity and specificity

Clinical verification, reliable result, higher sensitivity than traditional methods, specific detection of the target gene. Adopting unique independent research and advance design and production technology, passed a large number of sample verification provided by the national, provincial and municipal CDC, high sensitivity (500 copies/mL), strong specificity.

Dual-detection system (N/ORF1ab) give more reliable results

The product can detect two target genes at the same time. Which can make the detection results of samples more accurate by judging the detection results of two target genes.

simple operation and short time

One step RT-PCR, results can be obtained within 90 minutes.

Internal control gene can reduce false negative

Unique internal control gene is used to avoid false negative problems caused by the detection process and improve the accuracy and sensitivity of detection.

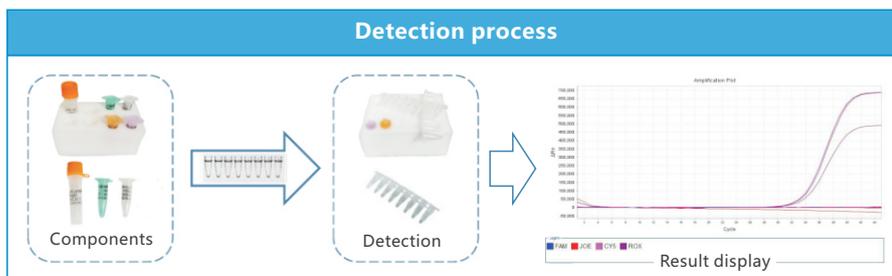
Specimens adaptation

The product is used for clinical qualitative detection of SARS-CoV-2 nucleic acid in specimens such as throat swabs, nasal swabs, the extract of nasopharyngeal, sputum, the extract of respiratory tract, bronchial perfusate, alveolar lavage fluid, lung tissue, stool, urine, blood or serum.



Features

- High sensitivity and specificity
- Dual-detection system (N/ORF1ab) give more reliable results
- Simple operation and short time
- Internal control gene can reduce false negative
- Specimens adaptation



[Packing Specification] 25 tests/pack, 50 tests/pack

[Interpretation of Result]

	Channels and result			Result and explanation
	FAM	HEX/VIC/JOE	ROX	
1	+	-	±	N gene of SARS-CoV-2 in sample
2	-	+	±	ORF1ab gene of SARS-CoV-2 in sample
3	+	+	±	N gene and ORF1ab gene of SARS-CoV-2 in sample
4	-	-	+	No SARS-CoV-2 in sample
5	-	-	-	Re-sampling, extraction and detection



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