



Simple and Sensitive COVID-19 Detection

Quick SARS-CoV-2 Multiplex Kit



ZYMO RESEARCH

The Beauty of Science is to Make Things Simple®

Testing for COVID-19 Detection

The *Quick SARS-CoV-2 Multiplex Kit* is a real time reverse transcription PCR (rRT-PCR) test for the qualitative detection of RNA from the severe acute respiratory syndrome coronavirus 2 (SARS-CoV-2) which is responsible for COVID-19. The *Quick SARS-CoV-2 Multiplex Kit* detects a SARS-CoV-2 specific target from the nucleocapsid (N) gene and a host-specific target from the human RNase P gene.

Highlights

Top Performance

With an LoD of only 167 GEC/ml, the *Quick SARS-CoV-2 Multiplex Kit* is one of the most sensitive molecular tests on the market.

Certifications

The *Quick SARS-CoV-2 Multiplex Kit* is pending for CE-IVD mark for in vitro diagnostic use.

Simple

With a ready-to-use master mix that detects both SARS-CoV-2 and an internal host control, the *Quick SARS-CoV-2 Multiplex Kit* minimizes hands-on time.

Competitive Pricing

We are committed to offering the *Quick SARS-CoV-2 Multiplex Kit* at competitive pricing to enable low cost testing for COVID-19.

Flexible

The *Quick SARS-CoV-2 Multiplex Kit* is compatible with Real Time PCR instruments capable of detecting HEX/VIC and Quasar 670/Cy5 fluorophores.

Robust Controls

The controls included in the kit enable the easy identification of problems that may arise during specimen collection, nucleic acid extraction, and RT-PCR.

Kit Components

No Template Control

This control is extracted in parallel with clinical samples and is used to identify potential contamination of extraction and RT-PCR reagents.



2X CV Mix

Detects one viral target located in the SARS-CoV-2 N gene (detected in the HEX/VIC channel) and a target for human RNase P (detected by the Quasar 670/Cy5 channel). Detection of RNase P serves as a quality control for specimen collection and nucleic acid extraction.

CV Positive Control

The positive control simulates a low positive patient sample and contains 2.5 GEC/ μ l of a SARS-CoV-2 RNA fragment (25 GEC/rxn) and 1 ng/ μ l of human RNA (10 ng/rxn). This control is added directly to the RT-PCR plate to ensure that all components of the kit are working properly.

Specifications

Extracted RNA samples are analyzed using the CFX96 Touch Real-Time PCR System (Bio-Rad) or a RT-PCR instrument capable of detecting HEX/VIC and Quasar 670/Cy5 fluorophores.

RT-PCR Set-up

Component	Volume per Reaction
2X CV Mix	10 µl
Template RNA	10 µl
Total	20 µl

Select **HEX/VIX** channel for the detection of SARS-CoV-2 target and **Quasar 670/Cy5** for the detection of human target.

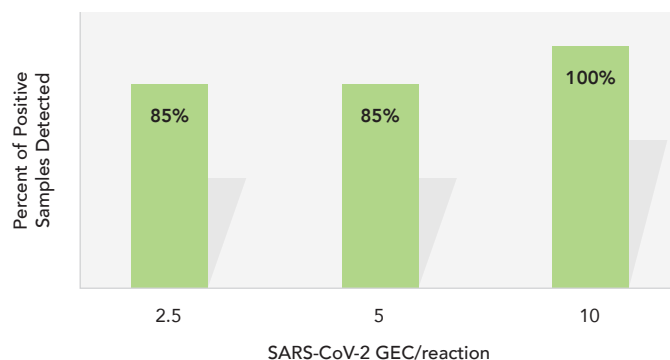
Data Analysis & Interpretation

Interpret the results based on C_t values

Host Target	Viral Target	Results
+	-	SARS-CoV-2 Negative
+	+	SARS-CoV-2 Positive
-	+	SARS-CoV-2 Positive
-	-	Invalid

Performance:

- PPA: 30/30 = 100% (95% CI: 88.7% - 100%)
- NPA: 30/30 = 100% (95% CI: 88.7% - 100%)
- 100% accurate detection as low as 10 GEC/rxn



Ordering Information

	Catalog Number	Product Name	Size
Sample Collection	R1106	DNA/RNA Shield™ Collection Tube w/ Swab (1 ml fill)	10 pack
	R1107		50 pack
	R1108	DNA/RNA Shield™ Collection Tube w/ Swab (2 ml fill)	10 pack
	R1109		50 pack
	R1210	DNA/RNA Shield™ Saliva/Sputum Collection Kit	1 x 2 ml fill
Sample Purification	R2140	Quick-DNA/RNA™ Viral MagBead Kit	1 x 96 preps
	R2141		4 x 96 preps
SARS-CoV-2 Detection	R3013	Quick SARS-CoV-2 Multiplex Kit	100 tests per kit
			1,000 tests per kit
			10,000 tests per kit

The test has been not FDA cleared, approved, or authorized. The test is pending CE-IVD mark for in vitro diagnostic use.



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