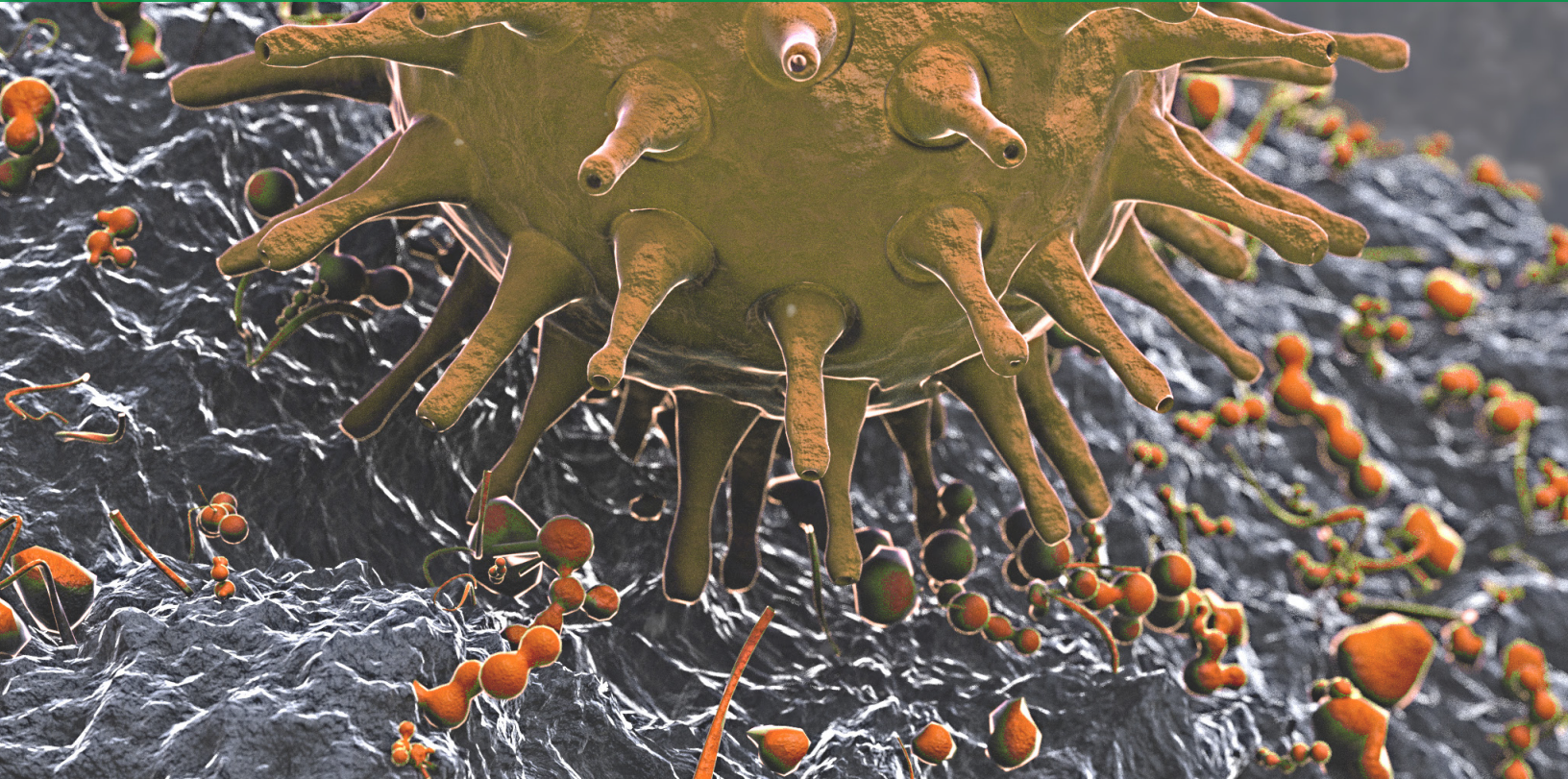


Simple and Sensitive COVID-19 Detection



Quick SARS-CoV-2 Multiplex Kit



ZYMO RESEARCH

The Beauty of Science is to Make Things Simple®

CE IVD

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 CE IVD marked for in vitro diagnostic use and in submission for FDA EUA.

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.

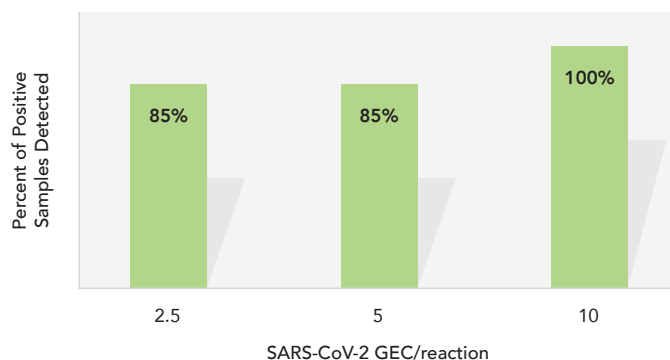
Performance:

- 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

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



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.




ZYMO RESEARCH


The Beauty of Science is to Make Things Simple®

Cat. No. B1017-2-02

*The **BEAUTY** of **SCIENCE** is to Make Things **SIMPLE**®*

 info@zymoresearch.com

 www.zymoresearch.com

 Toll Free: (888) 882-9682