

Frequently asked questions (FAQs)

TaqCheck SARS-CoV-2 Fast PCR Assay (Cat. No. A47693)

Q: Which instruments, consumables, reagents, and software are required to run the Applied Biosystems™ TaqCheck™ SARS-CoV-2 Fast PCR Assay protocol? Where can I find the full list of products and protocols?

A: Go to thermofisher.com/taqcheck to see the workflow outlining the instruments, consumables, reagents, and software required to run the TaqCheck SARS-CoV-2 Fast PCR Assay protocol.

Q: Which instruments can be used with the TaqCheck SARS-CoV-2 Fast PCR Assay?

A: The instrument that is recommended for this assay is the 384-well Applied Biosystems™ QuantStudio™ 5 Real-Time PCR System. Customers who want to use other instruments will need to verify those instruments in their lab.

Q: Which specimen types can be used with the TaqCheck SARS-CoV-2 Fast PCR Assay?

A: The TaqCheck SARS-CoV-2 Fast PCR Assay is currently verified for use with raw saliva.

Q: What comes in the TaqCheck SARS-CoV-2 Fast PCR Assay? Is the master mix included, or does it need to be purchased separately?

A: The TaqCheck SARS-CoV-2 Fast PCR kit contains multiplexed assays that contain primer and probe sets specific to the following targets:

- SARS-CoV-2 N protein
- SARS-CoV-2 S protein
- Human RNase P RPP30

Other required components that are not included in the kit are:

- Applied Biosystems™ TaqCheck™ SARS-CoV-2 Control (Cat. No. 956127)—RNA control that contains targets specific to the SARS-CoV-2 genomic regions targeted by the assays
- Applied Biosystems™ TaqCheck™ SARS-CoV-2 Control Dilution Buffer (Cat. No. A50486)—dilution buffer for the control
- Applied Biosystems™ TaqPath™ 1-Step RT-qPCR Master Mix, CG (Cat. No. A15299 or A15300)

Q: What is Fast PCR?

A: The assay is called a Fast PCR assay because the PCR step utilizes modified thermal cycling conditions that take approximately 50 min (run time is 51 min)—a time savings of 30% or more compared to standard PCR cycling conditions.

Q: Which extraction kit should I use to extract RNA from the sample?

A: An extraction kit is not needed. The raw saliva sample goes direct to PCR, so there is no need for a nucleic acid extraction step.

Q: Does each individual component have its own expiration date, or does the entire kit have the same expiration date?

A: Each individual component will have its own expiration date.

Q: How many samples can I process in one run?

A: You can process 382 samples in one run, plus one positive and one negative (no-template) control per plate.

Q: Is there a user guide associated with the TaqCheck SARS-CoV-2 Fast PCR Assay?

A: Yes, a Quick Reference Card is available now. The user guide will be available by the end of March 2021 at thermofisher.com/taqcheck.

Q: Which reporter dyes are used and for which targets?

Reporter dye	Targets
FAM™	RNase P
VIC™	Gene for the SARS-CoV-2 N protein Gene for the SARS-CoV-2 S protein

Q: How can I obtain Applied Biosystems™ Design and Analysis v2.5 software?

A: Customers can access Design and Analysis v2.5 software at: [Windows™ OS installer](#) | [MacOS™ installer](#)

Q: Does the Design and Analysis v2.5 software require a user license?

A: No, the software is free to download.

Find out more at thermofisher.com/taqcheck

