

TaqMan SARS-CoV-2 Fast PCR Combo Kit 2.0

Detect SARS-CoV-2 in raw saliva samples with this fast, direct-to-PCR solution

For use with: Applied Biosystems™ QuantStudio™ 5 Real-Time PCR System (96-well, 0.2 mL) and QuantStudio™ 7 Flex Real-Time PCR System (384-well)

This document lists all instruments, consumables, and reagents recommended for instrument installation, training, and running the Applied Biosystems™ TaqMan® SARS-CoV-2 Fast PCR Combo Kit 2.0. Please review this list carefully to ensure all necessary materials are available before installation and training dates. Missing materials can delay your setup process.

Note: To avoid contamination, it is highly recommended that you have separate sets of pipettes for samples, PCR reaction setup, and any post-PCR processing. Ideally these steps should all be performed in separate laboratory spaces as well. Always follow necessary precautions when handling saliva samples.

Ordering information

Product	Supplier	Storage	Cat. No.
TaqMan SARS-CoV-2 Fast PCR Combo Kit 2.0	Thermo Fisher Scientific	-30°C to -10°C	A51607

Includes:

- TaqMan SARS-CoV-2 Fast PCR Assay 2.0
- TaqMan SARS-CoV-2 Plus Control
- TaqMan SARS-CoV-2 Control Dilution Buffer
- SalivaReady Solution

-30°C to -10°C

Required and recommended materials not supplied

Ordering information

Product	Supplier	Storage	Cat. No.
Master mix			
TaqPath 1-Step Multiplex Master Mix (No ROX)	Thermo Fisher Scientific	-20°C	A28521 or A28522 or A28523 (recommended)
Reagents			
Nuclease-Free Water (not DEPC-treated)	Thermo Fisher Scientific	RT	AM9932 or AM9938 (1 x 100 mL)
Real-time PCR instruments and software			
QuantStudio Design and Analysis Software 2.5 or higher	Thermo Fisher Scientific	NA	thermofisher.com/ covid19ruoevolved
QuantStudio 7 Flex Real-Time PCR Instrument, 384-well	Thermo Fisher Scientific	RT	4485695 (with laptop computer) 4485701 (with desktop computer)
QuantStudio 5 Real-Time PCR Instrument (96-well, 0.2 mL block)	Thermo Fisher Scientific		A28569 (with laptop computer) A28574 (with desktop computer) A28139 (instrument only)
Instrument calibration plates (QuantStudio 7 Flex system, 384-well)			
ABY Dye Spectral Calibration Plate for Multiplex qPCR, 384-well	Thermo Fisher Scientific	-20°C	A24736
JUN Dye Spectral Calibration Plate for Multiplex qPCR, 384-well	Thermo Fisher Scientific	-20°C	A24733
Instrument calibration plates (QuantStudio 5 system, 96-well, 0.2 mL)			
QuantStudio 3/5 Spectral Calibration Plate 2 (ABY, JUN, Mustang Purple dyes), 96-well, 0.2 mL	Thermo Fisher Scientific	-20°C	A26332
QuantStudio 3/5 Spectral Calibration Plate 1 (FAM, VIC, ROX, SYBR dyes), 96-well, 0.2 mL	Thermo Fisher Scientific	-20°C	A26331
Region of Interest (ROI) and Background Plates, 96-well	Thermo Fisher Scientific	-20°C	4432364

General lab equipment and consumables

Ordering information

Product	Supplier	Storage	Cat. No.
MicroAmp Optical 96-Well Reaction Plate with Barcode, 0.2 mL	Thermo Fisher Scientific	RT	4306737, 4326659
MicroAmp Optical 96-Well Reaction Plate, 0.2 mL	Thermo Fisher Scientific	RT	N8010560, 4316813
MicroAmp Optical 384-Well Reaction Plate with Barcode	Thermo Fisher Scientific	RT	4309849, 4326270, 4343814
MicroAmp Optical 384-Well Reaction Plate	Thermo Fisher Scientific	RT	4343370
MicroAmp Adhesive Film Applicator	Thermo Fisher Scientific	RT	4333183
MicroAmp Optical Adhesive Film	Thermo Fisher Scientific	RT	4311971, 4360954
MicroAmp Clear Adhesive Film	Thermo Fisher Scientific	RT	4306311

Ordering information

Description	Supplier	Recommended product	Cat. No.
1–10 µL single-channel adjustable-volume pipette	Thermo Fisher Scientific	F1-ClipTip Variable Volume Single Channel Pipette (1–10 µL)	4641320N
10–100 µL single-channel adjustable-volume pipette	Thermo Fisher Scientific	F1-ClipTip Variable Volume Single Channel Pipette (10–100 µL)	4641200N
100–1,000 µL single-channel adjustable-volume pipette	Thermo Fisher Scientific	F1-ClipTip Variable Volume Single Channel Pipette (100–1,000 µL)	4641230N
Multichannel pipette in 5–20 µL volume range	Thermo Fisher Scientific	E1-ClipTip Equalizer 384 8-Channel (2–125 µL)	4672060BT
		or	or
Multichannel pipette in 50–1,000 µL volume range (optional)	Thermo Fisher Scientific	E1-ClipTip Equalizer 384 12-Channel (2–125 µL)	4672070BT
		E1-ClipTip Equalizer 8-Channel Pipette (15–1,250 µL)	4672100BT
10–300 µL multichannel pipette	Thermo Fisher Scientific	E1-ClipTip Equalizer 8-Channel (10–300 µL)	4672080BT
30–850 µL multichannel adjustable volume pipette, 12-well (optional)	Thermo Fisher Scientific	E1-ClipTip 12-Channel Pipette (30–850 µL)	4671090BT
15–1,250 µL single- or multichannel adjustable-volume pipette (optional)	Thermo Fisher Scientific	E1-ClipTip Electronic 1-Channel Pipette (15–1,250 µL)	4670040BT
		or	or
Aerosol-resistant barrier pipette tips, various sizes (1–1,250 µL)	Thermo Fisher Scientific	E1-ClipTip Electronic 8-Channel Pipette (15–1,250 µL)	4671100BT
		Aerosol-resistant barrier tips compatible with F1-ClipTip and E1-ClipTip pipettes	94420153, 94420813
1.5 mL RNase-free microcentrifuge tubes	Thermo Fisher Scientific	Microcentrifuge tubes, nonstick, RNase-free, 1.5 mL (250 tubes)	AM12450
	or Fisher Scientific	or Snap Cap Low Retention Microcentrifuge Tubes, 1.5 mL, graduated, sterile	or 21-402-903

Ordering information

Description	Supplier	Recommended product	Cat. No.
RNase-free conical tubes, 15 mL	Thermo Fisher Scientific	RNase-Free Conical Tubes, 15 mL (racked) (500 tubes)	AM12500
			AM12501
			or
	Thermo Fisher Scientific	Sterile tube with leak-proof, screw-top lid for sample collection*	339650
			or
			339652
	Fisher Scientific		or
			14-959-49B
RNase-free conical tubes, 50 mL	Thermo Fisher Scientific	RNase-Free Conical Tubes, 50 mL (racked) (200 tubes)	AM12501
Centrifuge with rotor for microplates	Thermo Fisher Scientific	Sorvall General Purpose Centrifuges, various	Various
Benchtop microcentrifuge to accommodate 1.5 mL tubes	Thermo Fisher Scientific	mySPIN 6 Mini Centrifuge	75004061
		or	or
		Sorvall Legend Micro 21R Microcentrifuge, refrigerated	75002447
Laboratory vortexer with plate pad	Thermo Fisher Scientific	Various	Various
Cold blocks, or ice and ice buckets (to accommodate reagent tubes and RT-PCR plate)	Thermo Fisher Scientific	Benchtop coolers	5116-1300
	or	and	and
	Fisher Scientific	PCR cooler	05-403-00
Thermal cycler with 0.2 mL block	Thermo Fisher Scientific	Veriti 96-Well Thermal Cycler, 0.2-mL block	4375786
-20°C freezer	Thermo Fisher Scientific	TSX Series High-Performance -20°C Manual Defrost Freezer or similar	TSX2320FA
4°C refrigerator	Thermo Fisher Scientific	TSX Series High-Performance Laboratory Refrigerator or similar	TSX3005GA
Biosafety cabinet	Thermo Fisher Scientific	Herasafe 2030i Class 2 A2 Biological Safety Cabinet	51032334
		or	or
		1300 Series Class II, Type A2 Biological Safety Cabinet Package	1336
Gloves	Fisher Scientific	Various	Various
Safety glasses	Fisher Scientific	Various	Various
Laboratory coat	Fisher Scientific	Various	Various
70% isopropanol spray	Fisher Scientific	Various	Various
General purpose lab tissues/wipers	Fisher Scientific	Kimberly-Clark Professional Kimwipes Delicate Task Wipers	S47299

* IMPORTANT: Do not use tubes that contain preservative.

Find out more at thermofisher.com/covid19ruoevolved

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