

TaqPath COVID-19 RNase P Combo Kit 2.0

A PCR-based COVID-19 test with an advanced multitarget assay design and RNase P control for human sample confirmation

Applied Biosystems™ TaqPath™ COVID-19 RNase P Combo Kit 2.0 (Cat. No. A51334)

For use with:

- Applied Biosystems™ QuantStudio™ 5 Real-Time PCR System (96-well, 0.2 mL)
- Applied Biosystems™ QuantStudio™ 5 Dx Real-Time PCR System (96-well, 0.2 mL)
- Applied Biosystems™ QuantStudio™ 7 Flex Real-Time PCR System (384-well)
- Applied Biosystems™ MagMAX™ Viral/Pathogen II Nucleic Acid Isolation Kit
- Thermo Scientific™ KingFisher™ Flex Purification System

This document lists all instruments, consumables, and reagents recommended and required for instrument installation, training, and use of the TaqPath COVID-19 RNase P 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. Intended uses of the products mentioned vary. For specific intended use statements, please refer to the product labels. Find the approved Instructions for Use (IFU) for your country at [thermofisher.com/findyourifu](https://www.thermofisher.com/findyourifu)

Ordering information

Product	Supplier	Storage	Cat. No.
TaqPath COVID-19 RNase P Combo Kit 2.0	Thermo Fisher Scientific	Details below	A51334
Includes:			
TaqPath COVID-19 RNase P Assay 2.0			
• Multiplex assay with 8 total targets across 3 genomic regions (<i>orf1a</i> , <i>orf1b</i> , and N gene)		-30°C to -10°C	
• RNase P assay (control)			
TaqPath COVID-19 Control Dilution Buffer			
TaqPath 1-Step Multiplex Master Mix (No ROX)		-5°C to -30°C	
TaqPath COVID-19 Plus Control		-20°C	



For In Vitro Diagnostic Use.

Required and recommended materials not supplied

Real-time PCR instruments

Ordering information

Product	Supplier	Cat. No.
Real-time PCR instruments		
QuantStudio 5 Real-Time PCR Instrument (96-well, 0.2 mL block; used with QuantStudio Design and Analysis Desktop Software v1.5.1)	Thermo Fisher Scientific	A28569 (with laptop computer) A28574 (with desktop computer) A28139 (instrument only)
QuantStudio 5 Dx Real-Time PCR Instrument (96-well, 0.2 mL block; used with QuantStudio Design and Analysis Desktop Software v1.0.2)	Thermo Fisher Scientific	A32005 (with laptop computer) A32006 (with desktop computer)
QuantStudio 7 Flex Real-Time PCR Instrument (384-well; used with QuantStudio Design and Analysis Desktop Software v1.3)	Thermo Fisher Scientific	4485695 (with laptop computer) 4485701 (with desktop computer)

Product	Supplier	Storage	Cat. No.
Instrument calibration plates (QuantStudio 5 system, 96-well, 0.2 mL)			
QuantStudio 3/5 Spectral Calibration Plate 1 (FAM, VIC, ROX, SYBR dyes), 96-well, 0.2 mL	Thermo Fisher Scientific	-20°C	A26331
QuantStudio 3/5 Spectral Calibration Plate 2 (ABY, JUN, Mustang Purple dyes), 96-well, 0.2 mL	Thermo Fisher Scientific	-20°C	A26332
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

Product	Analysis software used with the instrument	Compatible Pathogen Interpretive Software version
Data analysis and reporting software		
QuantStudio 5 Real-Time PCR Instrument (96-well, 0.2 mL block) with instrument firmware v1.3.3	QuantStudio Design and Analysis Desktop Software v1.5.1	v1.1.0 (with assay panel code plug-in: C19-RNaseP-CE-IVD_QS5-9602_1.0.0)
QuantStudio 5 Dx Real-Time PCR Instrument (96-well, 0.2 mL block)	QuantStudio Design and Analysis Desktop Software v1.0.2	v1.1.0 (with assay panel code plug-in: C19-RNaseP-CEIVD_QS5Dx-9602_1.0.0)
QuantStudio 7 Flex Real-Time PCR Instrument (384-well) with instrument firmware v1.0.4	QuantStudio Design and Analysis Desktop Software v1.3	v1.1.0 (with assay panel code plug-in: C19-RNaseP-CE-IVD_QS7-384_1.0.0)

Sample preparation

Ordering information

Product	Supplier	Storage	Cat. No.
KingFisher Flex Purification System with 96 Deep-Well Head and Deep-Well Heating Block	Thermo Fisher Scientific	RT	5400630
KingFisher Flex 96 Deep-Well Heating Block (if currently using standard block)*	Thermo Fisher Scientific	RT	24075430
KingFisher 96 Tip Combs for Deep-Well Magnets	Thermo Fisher Scientific	RT	97002534, A48438, A48414
96-Well Microplates	Thermo Fisher Scientific	RT	97002540, AB0726, AB1127, 136101
MagMAX Viral/Pathogen II Nucleic Acid Isolation Kit (up to 2,000 preparations when 200 µL of sample is used)	Thermo Fisher Scientific	RT	Recommended: A48383
Nuclease-Free Water (not DEPC-treated)	Thermo Fisher Scientific or Fisher Scientific	RT	AM9932
Ethanol, Absolute, Molecular Biology Grade or equivalent	Fisher Scientific	RT	BP2818100, BP2818500, BP28184

General laboratory 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 Optical Adhesive Film	Thermo Fisher Scientific	RT	4311971, 4360954
MicroAmp Clear Adhesive Film	Thermo Fisher Scientific	RT	4306331
MicroAmp Adhesive Film Applicator	Thermo Fisher Scientific	RT	4333183
MicroAmp Optical Film Compression Pad	Thermo Fisher Scientific	RT	4312639
Sterile aerosol barrier (filtered) pipette tips	Thermo Fisher Scientific	RT	thermofisher.com/ pipettetips

Product	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 with 5–20 µL volume range	Thermo Fisher Scientific	E1-ClipTip Equalizer 384 8-Channel (2–125 µL)	4672060BT
		or E1-ClipTip Equalizer 384 12-Channel (2–125 µL)	or 4672070BT

Ordering information (cont.)

Product	Supplier	Recommended product	Cat. No.
Multichannel pipette with 50–1,000 µL volume range (optional)	Thermo Fisher Scientific	E1-ClipTip Equalizer 8-Channel Pipette (15–1,250 µL) (optional)	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) (optional)	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) (optional)	4670040BT
		or E1-ClipTip Electronic 8-Channel Pipette (15–1,250 µL) (optional)	or 4671100BT
Aerosol-resistant barrier pipette tips, various sizes (1–1,250 µL)	Thermo Fisher Scientific	Aerosol-resistant barrier tips compatible with F1-ClipTip and E1-ClipTip pipettes	Recommended: 94420153, 94420813
Centrifuge with rotor for microplates and deep-well plates	Thermo Fisher Scientific	Sorvall General Purpose Centrifuges, various	Various
Laboratory vortexer with plate pad	Thermo Fisher Scientific	Various	Various
Biosafety cabinet	Thermo Fisher Scientific	Herasafe 2030i Class 2 A2 Biological Safety Cabinet	51032334
		or 1300 Series Class II, Type A2 Biological Safety Cabinet Package	or 1336
PCR workstation (optional)	Fisher Scientific	Combination PCR workstation	36-101-8894 36-101-8897
Benchtop microcentrifuge to accommodate 1.5 mL tubes	Thermo Fisher Scientific	mySPIN 6 Mini Centrifuge	75004061
		or Sorvall Legend Micro 21R Microcentrifuge, refrigerated	or 75002447
–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
Gloves	Fisher Scientific	Various	Various
Safety glasses	Fisher Scientific	Various	Various
Laboratory coat	Fisher Scientific	Various	Various
General purpose lab tissues/wipers	Fisher Scientific	Kimberly-Clark Professional Kimwipes Delicate Task Wipers	S47299
Microcentrifuge tube rack for 1.5 mL tubes	Thermo Fisher Scientific	Flipper Microtube Rack for 1.5 mL and 2.0 mL Tubes	8760, 8770-11, 8780
Cold blocks, or ice and ice buckets (to accommodate reagent tubes and RT-PCR plate)	Thermo Fisher Scientific	Benchtop coolers	5116-1300
	Fisher Scientific	and PCR cooler	and 05-403-00
1.5 mL RNase-free microcentrifuge tubes	Thermo Fisher Scientific	Microcentrifuge tubes, nonstick, RNase-free, 1.5 mL (250 tubes)	Recommended: AM12450
	or Fisher Scientific	or Snap Cap Low Retention Microcentrifuge Tubes, 1.5 mL, graduated, sterile	or 21-402-903
RNase-free conical tubes, 15 mL	Thermo Fisher Scientific	RNase-Free Conical Tubes, 15 mL (racked) (500 tubes)	Recommended: AM12500

Ordering information (cont.)

Product	Supplier	Recommended product	Cat. No.
RNase-free conical tubes, 50 mL	Thermo Fisher Scientific	RNase-Free Conical Tubes, 50 mL (racked) (200 tubes)	Recommended: AM12501
Nalgene bottles	Thermo Fisher Scientific	Nalgene Square PETG Media Bottles (125 mL)	342020-0125
Reagent reservoirs	Thermo Fisher Scientific	Matrix Reagent Reservoirs, polystyrene; 100 mL, individually wrapped with divider	95128085
Serological pipettes	Thermo Fisher Scientific	Nunc Serological Pipettes, individually wrapped, paper/plastic peel packaging, plugged	170357 or 170358
Pipette filler	Fisher Scientific	S1 Pipet Filler	Various
96-well plate holder	Thermo Fisher Scientific	MicroAmp Splash-Free 96-Well Base	4312063
Reagent dispenser (optional)	Thermo Fisher Scientific	Multidrop Combi Reagent Dispenser	Recommended: 5840300



For *In Vitro* Diagnostic Use.

Find out more at thermofisher.com/covid19evolved

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S C I E N T I F I C

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