

CE-IVD

TaqPath Menu | GeneProof thrombotic mutation kits

A broad portfolio of PCR kits for diagnostics of thrombotic mutations

This document lists all of the consumables and reagents required for instrument installation, training, and running of Applied Biosystems™ TaqPath™ Menu | GeneProof™ PCR assays. 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 certain samples like swabs, sputum, etc.

Ordering information

Product	Supplier	Storage conditions	Cat. No.
Applied Biosystems™ TaqPath™ Menu GeneProof™ PCR kits	Thermo Fisher Scientific	-25°C to -15°C	
TaqPath Menu GeneProof Factor II Prothrombin PCR Kit			A58420
TaqPath Menu GeneProof Factor V Leiden PCR Kit			A58421
TaqPath Menu GeneProof Factor XIII V34L PCR Kit			A58422
TaqPath Menu GeneProof PAI-1 Genotyping PCR Kit			A58423
TaqPath Menu GeneProof MTHFR C677T PCR Kit			A58424
TaqPath Menu GeneProof MTHFR A1298C PCR Kit			A58425

Real-time PCR instruments and software

Instruments needed vary by kit; please refer to the Instructions for Use.

Note: It is the responsibility of laboratories using RUO qPCR instruments to validate the assay and analysis parameters for diagnostic use.

Applied Biosystems™ QuantStudio™ Design and Analysis Software v2.5 or later	Thermo Fisher Scientific	thermofisher.com/qpcrsoftware	
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Ordering information

Description	Recommended supplier	Recommended product	Cat. No.
Laboratory freezers (-30°C to -10°C)	Thermo Fisher Scientific	Thermo Scientific™ TSX Series High-Performance -20°C Manual Defrost Freezer or similar	TSX2320FA
BSL-2 biological safety cabinet	Thermo Fisher Scientific	Thermo Scientific™ Herasafe™ 2030i Biological Safety Cabinet (BSC) Class 2, Type 2A or 1300 Series BSC Class II, Type A2, or equivalent	51032334 or 1336
Centrifuge with a rotor that accommodates standard microplates	Thermo Fisher Scientific	Thermo Scientific™ Sorvall™ general purpose centrifuges, various	Various
Benchtop microcentrifuge to accommodate 1.5 mL tubes	Thermo Fisher Scientific	Thermo Scientific™ mySPIN™ 6 Mini Centrifuge or Sorvall™ Legend Micro 21R Microcentrifuge, refrigerated	75004061 or 75002447
Laboratory mixer, vortex, or equivalent	MLS		
1–10 µL single channel adjustable-volume pipette	Thermo Fisher Scientific	Thermo 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 (optional)	Thermo Fisher Scientific	Thermo Scientific™ E1-ClipTip™ Electronic Pipette Equalizer, 8-Channel (2–125 µL) or 12-Channel (2–125 µL)	4672060BT or 4672070BT
Multichannel pipette in 50–1,000 µL volume range (optional)	Thermo Fisher Scientific	E1-ClipTip Electronic Pipette Equalizer, 8-Channel (15–1,250 µL)	4672100BT
10–300 µL multichannel pipette	Thermo Fisher Scientific	E1-ClipTip Electronic Pipette Equalizer, 8-Channel (10–300 µL)	4672080BT
30–850 µL multichannel adjustable-volume pipette, 12-well (optional)	Thermo Fisher Scientific	E1-ClipTip Electronic Pipette, 12-Channel (30–850 µL)	4671090BT
15–1,250 µL single or multichannel adjustable-volume pipette (optional)	Thermo Fisher Scientific	E1-ClipTip Electronic Pipette, 1-Channel (15–1,250 µL) or 8-Channel (15–1,250 µL)	4670040BT or 4671100BT
Aerosol-resistant barrier pipette tips, various sizes (1–1,250 µL)	Thermo Fisher Scientific	Thermo Scientific™ aerosol-resistant barrier tips compatible with F1-ClipTip and E1-ClipTip pipettes	94420153, 94420813
1.5 mL RNase-free microcentrifuge tubes	Thermo Fisher Scientific or Fisher Scientific	Invitrogen™ RNase-free Microfuge Tubes, nonstick, 1.5 mL (250 tubes), or Thermo Scientific™ Snap Cap Low Retention Microcentrifuge Tubes, 1.5 mL, graduated, sterile	AM12450 or 21-402-903
Cold blocks or ice and ice buckets (to accommodate reagent tubes and RT-PCR plate)	Thermo Fisher Scientific or Fisher Scientific	Thermo Scientific™ Benchtop Coolers and PCR cooler	5116-1300 and 05-403-00
Powder-free gloves	Fisher Scientific	Various	
Safety glasses	Fisher Scientific	Various	
Laboratory coat	Fisher Scientific	Various	

Ordering information

Description	Recommended supplier	Recommended product	Cat. No.
Nuclease-free water (not DEPC-treated)	Thermo Fisher Scientific	Invitrogen™ Nuclease-Free Water (not DEPC-Treated)	AM9938 (1 x 100 mL) or AM9932 (1 x 1,000 mL)
70% isopropanol spray	Fisher Scientific	Various	
General purpose lab tissues/wipes	Fisher Scientific	Kimberly-Clark™ Professional Kimwipes™ Delicate Task Wipers	S47299
Tubes, plates, and other consumables			
Reservoir for multichannel pipettes	MLS		
Optical 96-well reaction plate, 0.2 mL	Thermo Fisher Scientific	Applied Biosystems™ MicroAmp™ Optical 96-Well Reaction Plate, 0.2 mL	4306737 (with barcode), 4326659 (with barcode), N8010560 (without barcode), or 4316813 (without barcode)
Optical adhesive film	Thermo Fisher Scientific	Applied Biosystems™ MicroAmp™ Optical Adhesive Film	4311971 or 4360954
Adhesive film applicator	Thermo Fisher Scientific	Applied Biosystems™ MicroAmp™ Adhesive Film Applicator	4333183
DNase and RNase-free tubes for mixing reagents (capable of mixing 5 mL and 50 mL)	Thermo Fisher Scientific		thermofisher.com

Ordering information

Product	Supplier	Storage conditions	Cat. No.
Instrument calibration plates (Applied Biosystems™ QuantStudio™ 5 Real-Time PCR System, 96-well, 0.2 mL)			
Applied Biosystems™ QuantStudio™ 3/5 Spectral Calibration Plate 1 (FAM™, VIC™, ROX™, SYBR™ dyes), 96-well, 0.2 mL	Thermo Fisher Scientific	-20°C	A26331
Applied Biosystems™ QuantStudio™ 3/5 Spectral Calibration Plate 3 (TAMRA™, NED™, Cy®5 dyes), 96-well, 0.2 mL	Thermo Fisher Scientific	-20°C	A26333
Instrument calibration plates (Applied Biosystems™ 7500 Real-Time PCR System)			
Applied Biosystems™ 7500 Real-Time PCR Systems Spectral Calibration Kit I	Thermo Fisher Scientific	-20°C	4349180
7500 Real-Time PCR Systems Spectral Calibration Kit II	Thermo Fisher Scientific	-20°C	4351151

Service and support

For optimal system performance, please follow the instrument user guide maintenance recommendations.

[Explore resources here](#)

Find out more at
thermofisher.com/thrombosis-taqpath-menu

applied biosystems

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