

TaqPath Respiratory Viral Select Panel



A multiplex real-time PCR *in vitro* diagnostic test for qualitative detection and identification of adenovirus, human metapneumovirus, rhinovirus/enterovirus, and parainfluenza virus

Applied Biosystems™ TaqPath™ Respiratory Viral Select Panel
(Cat. No. A54713)

For use with:

- Applied Biosystems™ QuantStudio™ 5 Real-Time PCR System, 96-well, 0.2 mL block
- Applied Biosystems™ QuantStudio™ 5 Dx Real-Time PCR System, 96-well, 0.2 mL block

This document lists all instruments, consumables, and reagents recommended and required for installing the instrument, training, and running a test for the detection of RNA from adenovirus, human metapneumovirus, rhinovirus/enterovirus, and parainfluenza virus. Please review this list carefully to ensure all necessary materials are available before installation and training dates. Missing materials can delay your setup process.

Ordering information

Description	Supplier	Storage	Cat. No.
TaqPath Respiratory Viral Select Panel			
TaqPath Respiratory Viral Select Panel Assay		-30°C to -10°C	
Multiplexed assays that contain primer/probe sets specific to adenovirus, human metapneumovirus, parainfluenza virus, rhinovirus/enterovirus, and RNase P genomic regions			
TaqPath Respiratory Viral Select Panel Positive Control		≤-20°C	
<i>In vitro</i> transcribed RNA control (IVT RNA control) that contains templates specific to the adenovirus, human metapneumovirus, rhinovirus/enterovirus, parainfluenza virus, and RNase P regions targeted by the assays			
			A54713
Dilution Buffer for IVT RNA Control		-30°C to -10°C	
TaqPath 1 Step Respiratory Master Mix (No ROX)		-30°C to -10°C	

Required materials not supplied

Nucleic acid extraction

Ordering information

Description	Supplier	Storage	Cat. No.
MagMAX Viral/Pathogen II Nucleic Acid Isolation Kit	Thermo Fisher Scientific	Room temperature	A48383
Fisher BioReagents Ethanol, absolute, molecular biology grade, or equivalent	Fisher Scientific	Room temperature	BP2818100, BP2818500, BP28184
Nuclease-Free Water (not DEPC-treated)	Laboratory equipment supplier	Room temperature	Various
KingFisher Flex Purification System, with 96 Deep-Well Head and Deep-Well Heating Block	Thermo Fisher Scientific	Room temperature	5400630
KingFisher Flex Deep-Well Heating Block	Thermo Fisher Scientific	Room temperature	24075430
KingFisher 96 deep-well plate	Thermo Fisher Scientific	Room temperature	95040450
KingFisher 96 tip comb for deep-well magnets	Thermo Fisher Scientific	Room temperature	97002534
96-well microplate	Thermo Fisher Scientific	Room temperature	One of the following: 97002540 167008 269787 AB0796 AB1127 136101 137101 95040450

Real-time PCR

Ordering information

Description	Supplier	Storage	Cat. No.
QuantStudio 5 Real-Time PCR System, 96-well, 0.2 mL (used with QuantStudio Design and Analysis Desktop Software v1.5.1)	Thermo Fisher Scientific	Room temperature	A28569 (with laptop computer) A28574 (with desktop computer) A28139 (instrument only)
QuantStudio 5 Dx Real-Time PCR System, 96-well, 0.2 mL (used with QuantStudio 5 Dx IVD Software v1.0.2)*	Thermo Fisher Scientific	Room temperature	A32005 (with laptop computer) A32006 (with tower computer)
Spectral Calibration Plate, Alexa Fluor 647, 96-well**	Thermo Fisher Scientific	-20°C ± 5°C	A50598

* The TaqPath Respiratory Viral Select Panel was validated in a now discontinued version of the QuantStudio 5 Real-Time PCR System, 96-well, 0.2 mL block. Contact your sales representative for more information.

** Only needed if instrument is not calibrated for Invitrogen™ Alexa Fluor™ 647 dyes, Alexa Fluor™ 647 dye must be calibrated with a dye name "ALEXA 647" for use with this kit. Please check your instrument for the dye name and calibration status.

Required materials not supplied

Data analysis and reporting

Ordering information

Description	Supplier	Storage	Service contact
Pathogen Interpretive Software CE-IVD Edition v1.1 with the SAE Administrator Console Dx v1.0 and the appropriate assay panel for your instrument:	Thermo Fisher Scientific	N/A	thermofisher.com/contactus
Assay panel for QuantStudio 5 Real-Time PCR System (96 well, 0.2 mL block) RespViral-CE-IVD_QS5-9602_1.0.0	Thermo Fisher Scientific	N/A	thermofisher.com/contactus
Assay panel for QuantStudio 5 Dx Real-Time PCR System RespViral-CE-IVD_QS5Dx-9602_1.0.0	Thermo Fisher Scientific	N/A	thermofisher.com/contactus
The software and assay panel can be installed on a customer-provided computer with the following minimum computer system specifications:	Various	N/A	Various
<ul style="list-style-type: none">• Operating system—Microsoft Windows 10 (64 bit), with language set to English• Processor—Pentium 4 or higher• Memory—8 GB RAM minimum• Hard drive—10 GB minimum free space• Monitor—1280 × 1024 resolution or higher			

Note: For Applied Biosystems™ Pathogen Interpretive Software CE-IVD Edition v1.1: If the Pathogen Interpretive Software CE-IVD Edition v1.1, the SAE Administrator Console Dx v1.0, and the Pathogen Interpretive Software CE-IVD Edition SAE Profile 1.0.0 are already installed on your computer for use with another product, you do not need to install them again. The software can be used with assay panels from multiple kits.

Required materials not supplied

General laboratory equipment and consumables

Ordering information

Description	Supplier	Storage	Cat. No.
Laboratory freezers, -30°C to -10°C	Laboratory equipment supplier		Various
Centrifuge, with a rotor that accommodates standard and deep-well microplates	Laboratory equipment supplier		Various
Microcentrifuge	Laboratory equipment supplier		Various
Laboratory mixer, vortex type or equivalent	Laboratory equipment supplier		Various
Single and multichannel adjustable pipettors (1.0 µL to 1.0 mL)	Laboratory equipment supplier		Various
Cold block (96-well or ice)	Laboratory equipment supplier		Various
MicroAmp Optical 96-Well Reaction Plate with Barcode, 0.2 mL	Thermo Fisher Scientific	Room temperature	4306737, 4326659
MicroAmp Optical 96-Well Reaction Plate, 0.2 mL	Thermo Fisher Scientific	Room temperature	N8010560, 4316813
MicroAmp Clear Adhesive Film	Thermo Fisher Scientific	Room temperature	4306311
MicroAmp Optical Adhesive Film	Thermo Fisher Scientific	Room temperature	4311971, 4360954
MicroAmp Adhesive Film Applicator	Thermo Fisher Scientific	Room temperature	4333183
MicroAmp Optical Film Compression Pad	Thermo Fisher Scientific	Room temperature	4312639
Nonstick, RNase-free microcentrifuge tubes (1.5 mL and 2.0 mL)	Thermo Fisher Scientific	Room temperature	thermofisher.com/plastics
Sterile aerosol barrier (filtered) pipette tips	Thermo Fisher Scientific	Room temperature	thermofisher.com/pipettetips

Optional training

Cat. No. TRN00406 or TRN00407

Expand your knowledge of the TaqPath Respiratory Viral Select Panel workflow with an interactive training course conducted in your place of work. The training can cover:

- Review of Intended Use and certification
- Overview of workflow and best practices

- Preliminary quality control and software review
- Dry-lab demonstration and wet-lab practice using control materials

Contact your sales representative for more information and other training options.

 Find out more at thermofisher.com/taqpathrespiratoryselect

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