



CE-IVD

Five respiratory viruses. One TaqPath panel.

Expand your molecular testing menu with the TaqPath Respiratory Viral Select Panel

Add to your diagnostic testing capabilities using the PCR experience you already have. The new, fully validated Applied Biosystems™ TaqPath™ Respiratory Viral Select Panel is a multiplex, real-time PCR (qPCR) *in vitro* diagnostic (IVD) test for identifying five common respiratory viruses in under three hours.

Panel selection

The TaqPath Respiratory Viral Select Panel detects five respiratory viruses, including adenovirus, human metapneumovirus, rhinovirus/enterovirus,* and parainfluenza** virus. Pair this panel with the Applied Biosystems™ TaqPath™ COVID-19, Flu A/B, RSV Combo Kit to expand your respiratory virus testing menu.



Overlapping symptoms

Symptomatic patients may present with similar symptoms, including cough, fever, sore throat, nasal congestion, and runny nose



Common viruses

The TaqPath Respiratory Viral Select Panel detects five viruses associated with common viral respiratory syndromes†



Testing recommended

PCR testing is often recommended when pathogen identification will aid in patient management, infection control, and epidemiologic surveillance

* Rhinovirus/enterovirus are undifferentiated.

** Coverage of parainfluenza virus includes subtypes 1, 2, 3, and 4; undifferentiated.

† This includes the common cold, bronchiolitis, croup, influenza-like illnesses, and pneumonia.

As the world re-opens from pandemic restrictions, common respiratory viruses may increase in circulation and cause illness in both healthy and at-risk populations. The latter population, including children, older adults, and immunocompromised patients, are at higher risk of severe disease and hospitalization. PCR testing delivers accurate results and aids in differential diagnosis, including co-infections, to assist with treatment and other patient management decisions.

Select TaqPath panels

The TaqPath Respiratory Viral Select Panel is a qPCR diagnostic test with a fully validated workflow, RNase P endogenous control, flexible sample throughput, and trusted PCR performance—all at an affordable price.



Validated workflow

Its full workflow, from sample preparation to software-generated result in just 3 hours, makes it easy to implement



Single tube

Detecting 5 viruses and an endogenous internal control, all in a single well, makes it easy to perform routine patient testing



Affordable price

Easily adopt this panel and never overpay for the targets you need



PCR performance

High sensitivity for the vast majority of strains gives you confidence in results



Controls included

Included RNase P and positive controls offer reliable runs, time after time



Flexible throughput

Scalable to fit your needs, allowing you to test from 1 to 94 samples, as needed

Rely on PCR performance

Table 1: Limit of detection (LoD)

Virus	Strain	LoD (TCID ₅₀ */mL)	Detection (N/20)
Adenovirus	B7	0.060	20/20
	C2	20.000	20/20
Human metapneumovirus	A1	0.675	19/20
	B1	0.075	20/20
Parainfluenza virus	1	4.125	20/20
	2	4.700	20/20
	3	37.500	19/20
	4A	24.750	19/20
Rhinovirus	1A	6.600	19/20
Enterovirus	D68	3.069	19/20

* TCID₅₀ = tissue culture infectious dose at 50%.

Table 1. Analytical performance of the TaqPath Respiratory Viral Select Panel assay was evaluated by determining the LoD, characterizing the impact of competitive interference and endogenous/exogenous interfering substances, and assessing cross-reactivity, inclusivity, precision, and repeatability. Selected performance characteristics are shown above. Refer to the Instructions for Use (IFU) for full details.

Select Thermo Fisher Scientific

In a time when getting answers quickly is critical, Thermo Fisher Scientific, the global leader in COVID-19 testing, is leveraging its scale and resources to help the world move forward. With innovative solutions and a reliable supply chain already helping meet the unprecedented demand for trusted COVID-19 testing, we are continuing to expand our high-quality solutions and urgently accelerate innovation to address current and future challenges.



Trusted technology

Validated workflow includes an automated purification system for nucleic acid extraction and Applied Biosystems™ QuantStudio™ 5 or 5 Dx real-time PCR systems



Service and support

Rely on one company for service and support of all steps of the validated workflow; our experts will help you get up and running and maintain your growing molecular menu



Growing menu

Our expanding portfolio of Applied Biosystems™ CE-IVD panels allows you to get more from your existing equipment, like the new Applied Biosystems™ TaqPath™ Enteric Bacterial Select Panel

Product details

Targets	<ul style="list-style-type: none">• Adenovirus• Parainfluenza subtypes 1, 2, 3, and 4 (undifferentiated)• Rhinovirus and enterovirus (undifferentiated)• Human metapneumovirus
Internal control	RNase P
Positive control	Included
Authorized sample types	Nasopharyngeal (NP) swab
Sample prep	Applied Biosystems™ MagMAX™ Viral/Pathogen II Nucleic Acid Isolation Kit
Authorized real-time PCR systems	<ul style="list-style-type: none">• QuantStudio 5 Real-Time PCR System (96-well, 0.2 mL)• QuantStudio 5 Dx Real-Time PCR System (96-well, 0.2 mL)
Turnaround time	Under 3 hours
Software	Applied Biosystems™ Pathogen Interpretive Software CE-IVD Edition
Approval	CE-IVD

TaqPath Respiratory Viral Select Panel workflow



Receive samples

- Samples from patients, including NP swabs



Prep sample (Required)

- MagMAX Viral/Pathogen II Nucleic Acid Isolation Kit CE-IVD



Real-time PCR (Required)

- TaqPath Respiratory Viral Select Panel
- QuantStudio 5 system (96-well, 0.2 mL)
- QuantStudio 5 Dx system (96-well, 0.2 mL)*



Analyze and report (Required)

- Report generated using Pathogen Interpretive Software CE-IVD Edition

Ordering information

Product	Component	Quantity	Cat. No.
TaqPath Respiratory Viral Select Panel	TaqPath Respiratory Viral Select Panel Assay	200 reactions	A54713
	TaqPath Respiratory Viral Select Panel Positive Control		
	TaqPath 1-Step Multiplex Master Mix		
	Dilution Buffer for IVT RNA Control		

* The TaqPath Respiratory Viral Select Panel Assay is validated in the CE-IVDD version of the QuantStudio 5 Dx Real-Time PCR System; please contact your sales representative for more information.



Learn more at thermofisher.com/taqpathrespviralselect

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