

A single test to detect SARS-CoV-2, influenza A/B, and respiratory syncytial virus (RSV)

Detect RNA from multiple respiratory viruses simultaneously with the Applied Biosystems™ TaqPath™ COVID-19, Flu A/B, RSV Combo Kit, a highly accurate, real-time PCR multiplex test that allows you expand your respiratory sample testing menu while maintaining low operational costs.

Features of the TaqPath COVID-19, Flu A/B, RSV Combo Kit

- **Single test for SARS-CoV-2, influenza (flu) A/B, and RSV**—detect and differentiate between disease states with similar clinical symptoms and get the information needed to help monitor the spread of these respiratory illnesses
- **Affordable and scalable**—add to your existing COVID-19 testing menu and infrastructure to expand your respiratory sample testing while maintaining low operational costs and workflow simplicity
- **Sensitive and specific**—get 100% homology to >99.9% of known SARS-CoV-2 genomes* and robust performance for detecting flu A/B and RSV, providing increased confidence in results
- **Complete solution for clinical labs**—Applied Biosystems™ Pathogen Interpretive Software automatically converts genetic analysis data into a readable report, helping reduce risk of user interpretation error



CE **IVD** For *In Vitro* Diagnostic Use.

* Those available as of September 8, 2020

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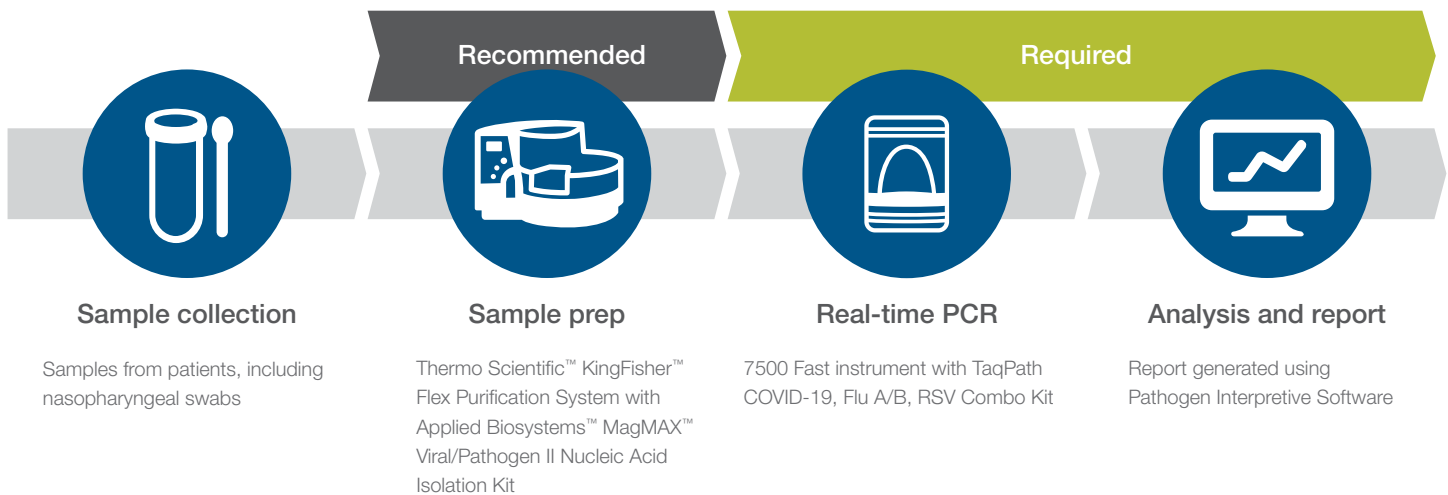
Product details

Targets	<ul style="list-style-type: none"> • SARS-CoV-2 (S gene and N gene) • Influenza A/B (matrix gene) • RSV A/B (N gene/M gene)
Internal control	MS2 process control
Positive control	Included
Turnaround time	<2 hours from extracted RNA to end result
Approved sample types	Nasopharyngeal (NP) swabs
Approved real-time PCR instruments	Applied Biosystems™ 7500 Fast Real-Time PCR System

Performance

Target	Limit of detection (LOD)	
SARS-CoV-2	8.2×10^{-3} TCID ₅₀ /mL	50 GCE/mL
Influenza A/B	1.2×10^{-3} to 1.5×10^{-1} TCID ₅₀ /mL	350–1,250 GCE/mL
RSV A/B	1.3×10^{-2} to 1.4×10^{-2} TCID ₅₀ /mL	200 GCE/mL

Workflow



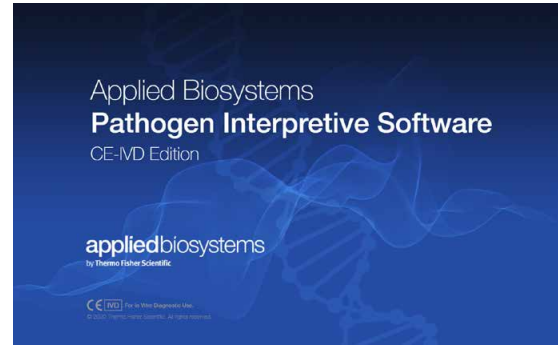
Intended use of the products mentioned in this workflow graphic vary. For specific intended use statements, please refer to the instructions for use.

Figure 1. Required workflow components for the *in vitro* diagnosis of SARS-CoV-2, influenza A/B, and RSV A/B in less than 2 hours when starting with extracted RNA samples. The required workflow consists of real-time RT-PCR genetic analysis and automated translation of data into patient diagnosis.

TaqPath COVID-19, Flu A/B, RSV Combo Kit contents

- TaqPath COVID-19, Flu A/B, RSV RT-PCR Assay kit
 - Real-time PCR assay multiplex with targets for SARS-CoV-2 (S and N genes), flu A/B (matrix gene), RSV A/B (N gene/M gene), and MS2
 - MS2 phage control
- TaqPath COVID-19, Flu A/B, RSV Control Kit
 - RNA control kit specific for the SARS-CoV-2, flu A/B, and RSV genomic regions targeted by the assay
 - TaqPath Control Dilution Buffer

Contact your local support team by following the instructions below, and they will help you download and install the new software.



Interpretive software

Existing users of the approved instruments will need to install the Pathogen Interpretive Software prior to running the kit. The Pathogen Interpretive Software helps your lab decrease analysis and interpretation time and reduce risk of user interpretation error. Features include:

- Automatic interpretation of genetic analysis results from the TaqPath COVID-19, Flu A/B, RSV Combo Kit
- Automatic QC check performed against all controls on the plate following instrument data analysis
- Software generates a report for each specimen

1. Go to thermofisher.com/contactus
2. Select “Instrument Service” as category
3. Enter instrument name and select your country
4. Call the local number displayed on the screen

Ordering information

Product	Components	Quantity	Cat. No.
TaqPath COVID-19, Flu A/B, RSV Combo Kit	TaqPath COVID-19, Flu A/B, RSV RT-PCR Assay Multiplex (1 tube)	1,000 reactions	A49867
	MS2 Phage Control (10 tubes)		
	TaqPath COVID-19, Flu A/B, RSV Control Kit (1 box with 10 tubes)		
	TaqPath Control Dilution Buffer (1 box with 10 tubes)		
	TaqPath 1-Step Multiplex Master Mix, No ROX (1 bottle with 10 mL)		

Learn more and see a full list of products for the workflow at thermofisher.com/covid19flursv

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