

# A single test to detect and differentiate SARS-CoV-2, influenza A, and influenza B

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

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

- **Single test for SARS-CoV-2, influenza A, and influenza B**—detect and differentiate between infections that present similar clinical symptoms, and get the information needed to help monitor the spread of COVID-19 and the flu
- **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
- **Multi-target assay design**—helps compensate for emerging SARS-CoV-2 variants and mutations to help provide confidence in results
- **Complete solution for clinical labs**—Applied Biosystems™ Pathogen Interpretive Software automatically converts genetic analysis data into a readable report, helping to reduce risk of user interpretation error



## Product details

<b>Targets</b>	<ul style="list-style-type: none"> <li>• SARS-CoV-2 (S gene and N gene)</li> <li>• Influenza A (matrix gene)</li> <li>• Influenza B (matrix gene)</li> </ul>
<b>Internal control</b>	MS2 process control
<b>Positive control</b>	Included
<b>Turnaround time</b>	~3 hours
<b>Authorized sample types</b>	Nasopharyngeal (NP) swab, anterior nasal swab
<b>Authorized sample preparation</b>	Thermo Scientific™ KingFisher™ Flex Purification System with Applied Biosystems™ MagMAX™ Viral/Pathogen II Nucleic Acid Isolation Kit
<b>Authorized real-time PCR instruments</b>	<ul style="list-style-type: none"> <li>• Applied Biosystems™ 7500 Fast Dx Real-Time PCR System</li> <li>• Applied Biosystems™ QuantStudio™ 7 Flex Real-Time PCR System, 384-well</li> <li>• Applied Biosystems™ QuantStudio™ 5 Real-Time PCR System (96-well, 0.2 mL block)</li> </ul>
<b>Authorized software</b>	Pathogen Interpretive Software

## Performance

Target	Limit of detection (LOD)	
SARS-CoV-2	$1.6 \times 10^{-1}$ TCID <sub>50</sub> /mL	100 GCE/mL
Influenza A	$1.6 \times 10^{-3}$ – $2.5 \times 10^{-3}$ TCID <sub>50</sub> /mL	200–500 GCE/mL
Influenza B	$5.6 \times 10^{-3}$ – $5.9 \times 10^{-2}$ TCID <sub>50</sub> /mL	500–1,000 GCE/mL

## Workflow

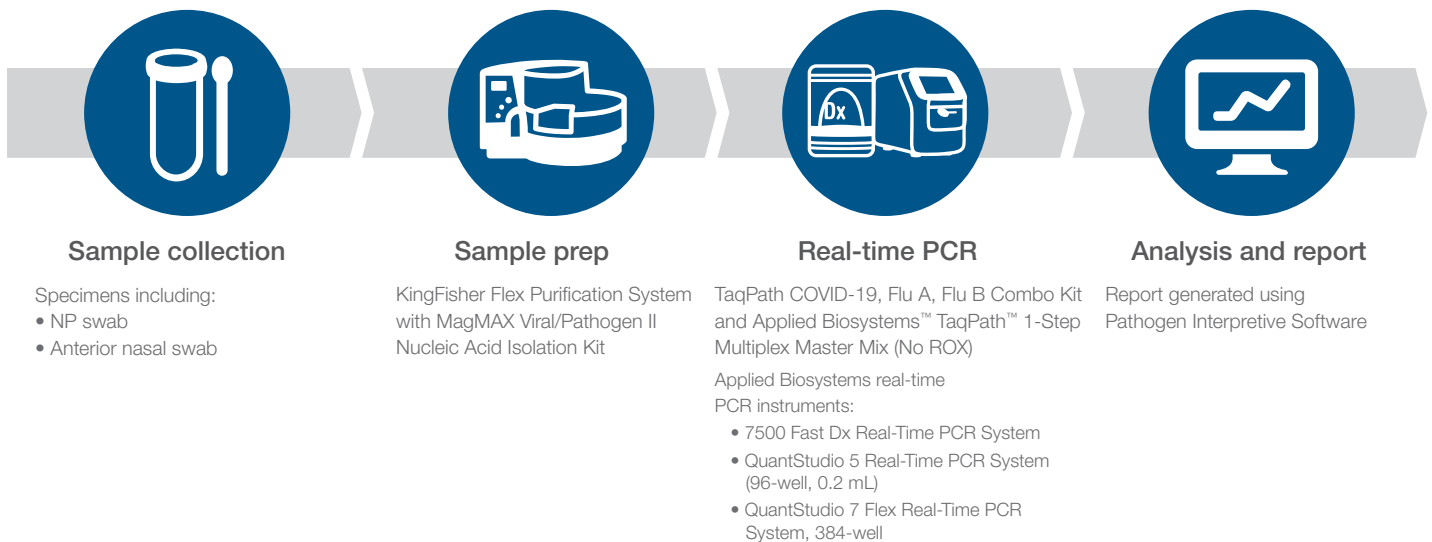
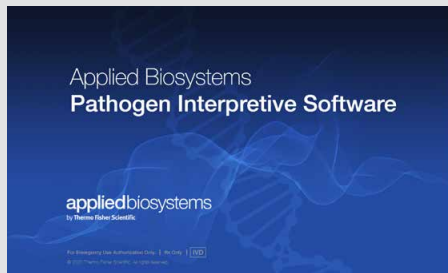


Figure 1. End-to-end workflow for evaluating 94 specimens in approximately 3 hours using a combination of a single sample prep instrument and a single real-time PCR system.



**Simple analysis and reporting**

Decrease analysis and interpretation time and help reduce risk of user interpretation error with the Pathogen Interpretive Software EUA Edition.

You may download the software upon kit purchase. Labs following the authorized workflow are required to complete an eLearning course and pass an exam to download. **Follow the instructions below to obtain the software from your local support team:**

- Go to [thermofisher.com/contactus](https://thermofisher.com/contactus)
- Select “Instrument Service” as category
- Enter product name or Cat. No. and select your country
- Call the local number displayed on the screen

**Ordering information**

Product	Components	Quantity	Cat. No.
TaqPath COVID-19, Flu A, Flu B Combo Kit	TaqPath RT-PCR COVID-19, Flu A, Flu B Kit (1 tube)	1,000 reactions	A49868
	MS2 Phage Control (10 tubes)		
	TaqPath COVID-19, Flu A, Flu B Control Kit (10 tubes)		
	TaqPath Control Dilution Buffer (10 tubes)		
TaqPath 1-Step Multiplex Master Mix (No ROX)		10 mL	A28523
		1 mL	A28522
		0.5 mL	A28521

Learn more and see a full list of products for the workflow at [thermofisher.com/covid19flu](https://thermofisher.com/covid19flu)

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