



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 CE-IVD–certified, highly accurate, real-time PCR multiplex test that allows you to expand your respiratory sample testing menu while keeping control of 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
- **Multitarget 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 reduce risk of user interpretation error



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 |
| Validated sample types | Nasopharyngeal (NP) swabs |
| Compatible real-time PCR instruments | Applied Biosystems™ QuantStudio™ 5 Real-Time PCR System, 96-well, 0.2 mL Applied Biosystems™ QuantStudio™ 7 Flex Real-Time PCR System, 384-well Applied Biosystems™ 7500 Fast Real-Time PCR Instrument |

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*

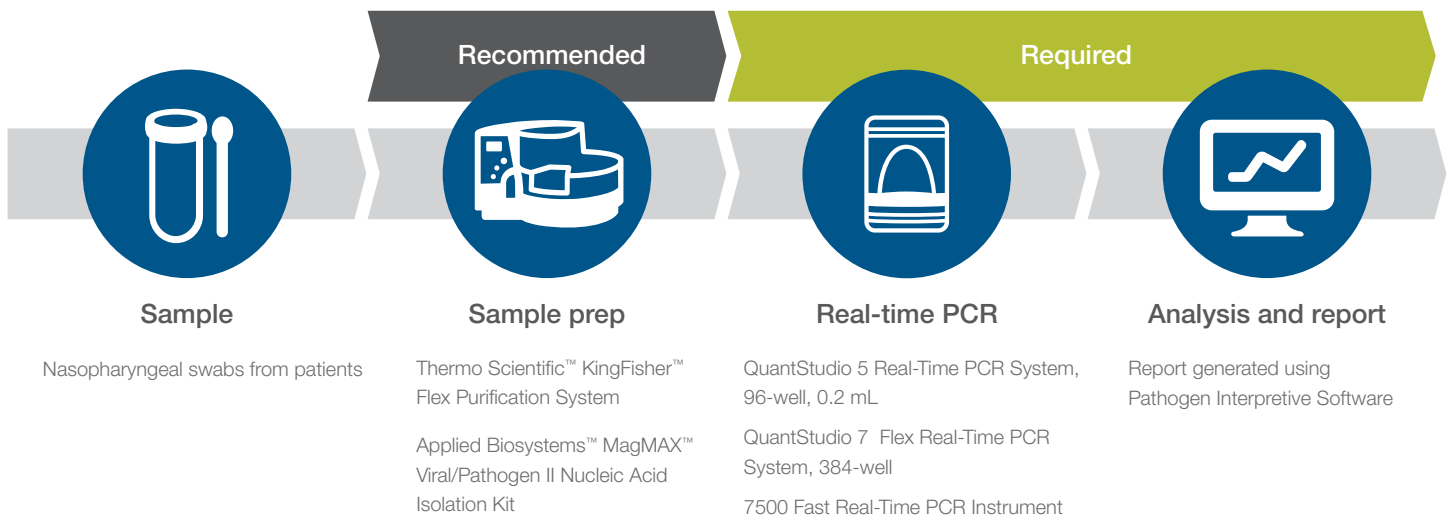
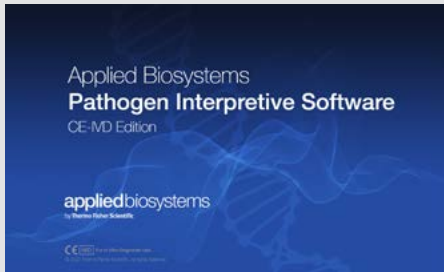


Figure 1. Required workflow components for the *in vitro* diagnosis of SARS-CoV-2, influenza A/B, and RSV A/B in less than 2 hours when starting with extracted RNA samples. The required workflow consists of real-time RT-PCR genetic analysis and automated translation of data into patient diagnosis.

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



Simple analysis and reporting

Decrease analysis and interpretation time and help reduce risk of user interpretation error with the Pathogen Interpretive Software CE-IVD 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
- 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/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) | | |

Find out more and see a full list of products for the workflow at thermofisher.com/covidflursv