

Respiratory virus research

TrueMark SARS-CoV-2, Flu A, Flu B, RSV Select Panel

A single assay for the detection and differentiation of four common respiratory viruses

SARS-CoV-2 is one of the primary causes of respiratory tract infections. These infections can present with a wide range of symptoms, and some individuals infected with the virus may remain asymptomatic. Symptoms of SARS-CoV-2 infection can range from mild, such as congestion, to more severe manifestations, such as shortness of breath or diarrhea. Respiratory syncytial virus (RSV), which is a common cause of respiratory infections in both young children and the elderly, also affects the respiratory tract. RSV can lead to a spectrum of symptoms ranging from mild cold-like symptoms to severe pneumonia. In addition to SARS-CoV-2 and RSV, influenza viruses—specifically, flu A and flu B—impact the respiratory system as well. These viruses can cause a wide range of illnesses, from mild to severe, and they are associated with annual global outbreaks.

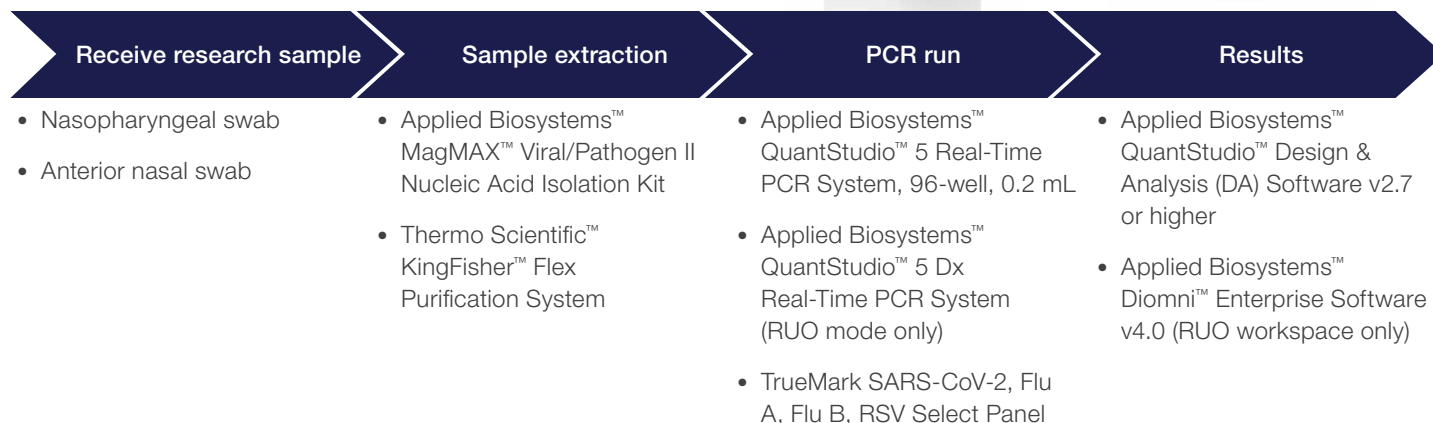
Interactions among these viruses can occur on several levels. Firstly, their symptoms can overlap, making research analysis challenging, especially during periods of high prevalence. Additionally, co-infections with these viruses are possible and can exacerbate symptoms, potentially leading to more severe outcomes. The presence of one virus could also potentially affect the immune response to another, though the specific interactions in this regard are still being studied.

The Applied Biosystems™ TrueMark™ SARS-CoV-2, Flu A, Flu B, RSV Select Panel is a single-tube multiplex PCR research assay for detection and differentiation of SARS-CoV-2, influenza A, influenza B, and RSV in the same nasal sample. The panel comes as a two-component kit that includes the assay and the master mix.



Features and benefits of the panel:

- **One assay for the detection of SARS-CoV-2, influenza A, influenza B, and RSV**—detect four common upper respiratory viruses in a single well
- **Verified with the most common upper respiratory sample types**—nasopharyngeal (NP) swabs and anterior nasal (AN) swabs
- **Sample collection integrity**—RNase P internal control confirms proper sample collection
- **Part of a complete workflow solution**—sample extraction, real-time PCR, reagents, and software are recommended for a full workflow



Ordering information

Description	Cat. No.
TrueMark SARS-CoV-2, Flu A, Flu B, RSV Select Panel (200 reactions)	
Includes:	
<ul style="list-style-type: none"> TrueMark SARS-CoV-2, Flu A, Flu B, RSV Select Assay TrueMark 1-Step Select Master Mix 	A59526

Sold separately

Description	Cat. No.
MagMAX Viral/Pathogen II Nucleic Acid Isolation Kit	A48383
KingFisher Flex Purification System	Varies
AcroMetrix Multi-Analyte SARS-CoV-2, Flu A/B, RSV A/B Control	954516
Nuclease-Free Water (not DEPC-Treated)	AM9938, AM9932

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