

## VIASURE SARS-CoV-2, FLU & RSV Real Time PCR Detection Kit

- ▶▶ **Coronavirus** are enveloped non-segmented positive-sense RNA viruses and belong to *Coronaviridae* family. Human-to-human transmission of the **SARS-CoV-2** has been confirmed, even in the incubation period without symptoms, and the virus could cause severe respiratory illness like those **SARS-CoV** produced. Although the pneumonia is the principal illness associated, a few patients have developed severe pneumonia, pulmonary edema, acute respiratory distress syndrome, or multiple organ failure and death. Centers of Disease Control and Prevention (CDC) believes that symptoms of **SARS-CoV-2** may appear in as few as 2 days or as long as 14 days after exposure, being the most common fever or chills, cough, fatigue, anorexia, myalgia and dyspnea.
- ▶▶ **Influenza** viruses belong to the *Orthomyxoviridae* family and cause the majority of viral lower respiratory tract infections. **Influenza A** and **B** are a significant cause of morbidity and mortality worldwide, considering that elderly and immunocompromised individuals are especially at risk of developing severe illness and complications such as pneumonia.
- ▶▶ **Human respiratory syncytial viruses (RSV)** belong to the *Paramyxoviridae* family and are the most important viral agents of acute respiratory infections. **RSV** is an enveloped, nonsegmented, negative, single stranded linear RNA genome virus. Respiratory syncytial virus is a common contributor of respiratory infections causing bronchitis, pneumonia, and chronic obstructive pulmonary infections in people of all ages.

The SARS-CoV-2, Influenza and RSV viruses can affect the entire population in a wide age range, although it is true that the elderly and immunocompromised people are especially at risk of developing serious diseases and complications.

These viruses may rise very similar symptoms, such as fever, cough and headache. For this reason, it is essential to obtain an adequate diagnosis as soon as possible, since in the case of SARS-CoV-2, as it's an emerging pathogen, it is vital to take containment measures and prevent its spread in the population.



"Ready & Easy-to-use" kits.  
**Lyophilised product**



Transport and storage at **room temperature**.  
**Shelf-life: 24 months**



Validated according to **ISO 13485**  
and **CE marked**

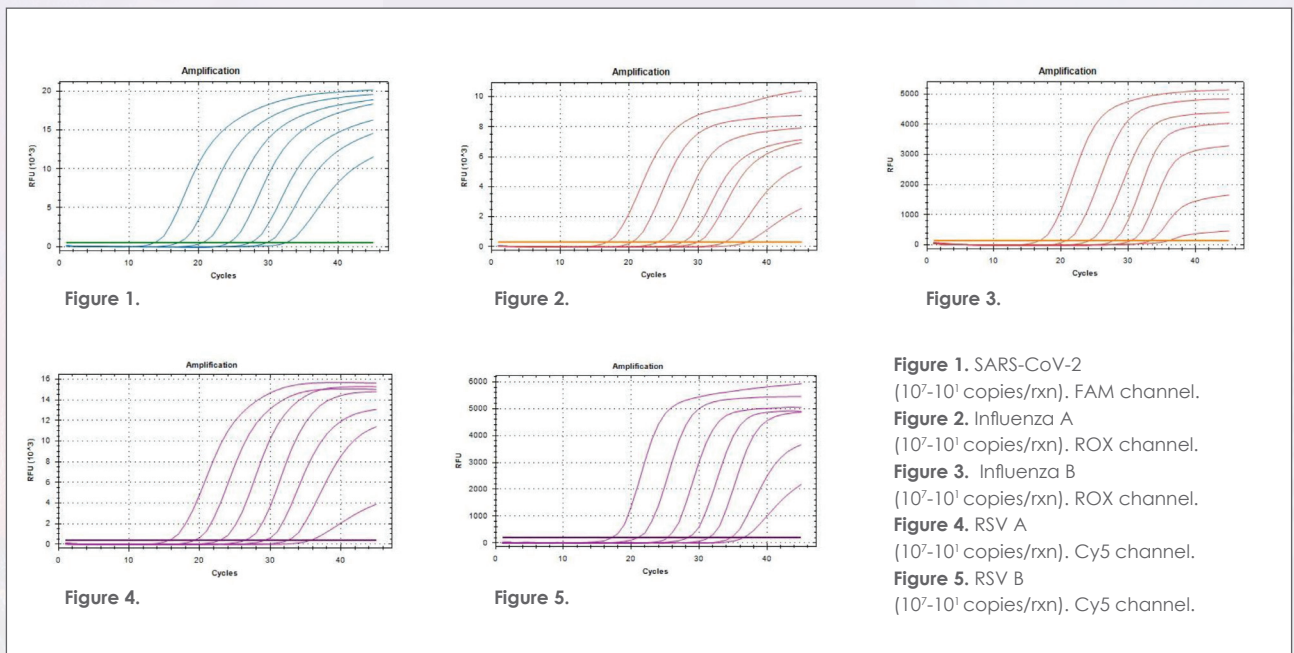


## VIASURE SARS-CoV-2, FLU & RSV Real Time PCR Detection Kit

VIASURE SARS-CoV-2, Flu & RSV Real Time PCR Detection Kit is designed for the identification of **SARS-CoV-2**, **Influenza A/B (Flu A/B)** and/or **Human Respiratory Syncytial Virus A/B (RSV A/B)** in respiratory samples.

The detection is done in one step real time RT format where the reverse transcription and the subsequent amplification of specific target sequence occur in the same reaction well. The isolated RNA target is transcribed generating complementary DNA by reverse transcriptase which is followed by the amplification of two conserved regions of *N* gene (*N1* and *N2*) for **SARS-CoV-2**, a conserved region of the *M1* gene for **Flu A/B** and a conserved region of the *N* gene for **RSV A/B** using specific primers and a fluorescent-labeled probe.

VIASURE SARS-CoV-2, Flu & RSV Real Time PCR Detection Kit has a detection limit of **20 genome copies/rxn** for **SARS-CoV-2**, **5 genome copies/rxn** for **Flu A**, **20 genome copies/rxn** for **Flu B** and **10 genome copies/rxn** for **RSV** (Figures 1, 2, 3, 4 and 5 run on the Bio-Rad CFX96™ Real-Time PCR Detection System).



### References - VIASURE SARS-CoV-2, Flu & RSV Real Time PCR Detection Kit -

6 x 8-well strips, low profile \_\_\_\_\_ VS-CFR106L  
 12 x 8-well strips, low profile \_\_\_\_\_ VS-CFR112L  
 96-well plate, low profile \_\_\_\_\_ VS-CFR113L  
 2ml Tube (4 tubes x 24rxn) \_\_\_\_\_ VS-CFR196T

6 x 8-well strips, high profile \_\_\_\_\_ VS-CFR106H  
 12 x 8-well strips, high profile \_\_\_\_\_ VS-CFR112H  
 96-well plate, high profile \_\_\_\_\_ VS-CFR113H

**CerTest**  
BIOTEC

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For more information and use procedure, read the instructions for use included in this product.



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