



"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

Flu A, Flu B & RSV

- ▶ **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 compromised individuals are especially at risk of developing severe illness and complications such as pneumonia. People feel some or all of these symptoms: fever or feeling feverish/chills, cough, sore throat, nasal stuffiness and discharge, myalgia, headaches, and anorexia. The influenza viruses can be spread from person to person in two different ways: through the air (large droplets and aerosols from sneezing and coughing), and by direct or indirect contact.
- ▶ **Human respiratory syncytial viruses (RSV)** belong to the *Paramyxoviridae* family and are the most important viral agents of acute respiratory infections. Respiratory syncytial virus is a common contributor of respiratory infections causing bronchitis, pneumonia and chronic obstructive pulmonary infections in people of all ages. People often feel some or all of these symptoms: rhinorrhea, low-grade fever, cough, sore throat, headache and wheezing. RSV is transmitted via large nasopharyngeal secretion droplets from infected individuals, close contact or self-inoculation after touching contaminated surfaces.

Diagnosis can be problematic, as a wide range of pathogens can cause acute respiratory infections presenting with similar clinical syndromes. Real-time PCR assays have been shown to be a sensitive and specific diagnostic tool for the detection of Influenza A, Influenza B and RSV viruses.

- ▶ **VIASURE Flu A, Flu B & RSV Real Time PCR Detection Kit** is designed for the diagnosis of Flu A, Flu B and/or RSV 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 amplification of a conserved region of the M1 gene for Flu A and Flu B and a conserved region of the N gene for RSV using specific primers and a fluorescent-labeled probe.

Flu A, Flu B & RSV

VIASURE Flu A, Flu B & RSV Real Time PCR Detection Kit is designed for the specific identification and differentiation of Influenza A (Flu A), Influenza B (Flu B) and/or Human Respiratory Syncytial Virus (RSV) in respiratory samples from patients with signs and symptoms of respiratory infection.

This test is intended for use as an aid in the diagnosis of Flu A, Flu B and/or RSV in combination with clinical and epidemiological risk factors.

RNA is extracted from specimens, amplified using RT-PCR and detected using fluorescent reporter dye probes specific for Flu A, Flu B and RSV.

► Analytical sensitivity

VIASURE Flu A, Flu B & RSV Real Time PCR Detection Kit has a detection limit of ≥ 10 RNA copies per reaction Flu A, Flu B, and RSV (Figure 1, 2 and 3).

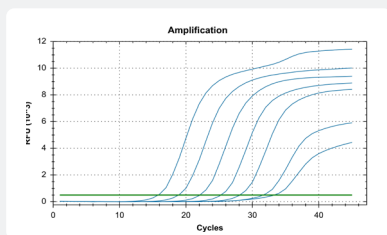


Figure 1. Dilution series of Flu A (10^7 - 10^1 copies/rxn) template run on the Bio-Rad CFX96™ Real-Time PCR Detection System (channel FAM).

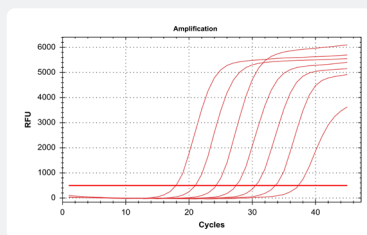


Figure 2. Dilution series of Flu B (10^7 - 10^1 copies/rxn) template run on the Bio-Rad CFX96™ Real-Time PCR Detection System (channel ROX).

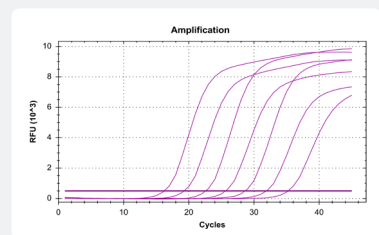


Figure 3. Dilution series of RSV (10^7 - 10^1 copies/rxn) template run on the Bio-Rad CFX96™ Real-Time PCR Detection System (channel Cy5).

► References - VIASURE Flu A, Flu B & RSV Real Time PCR Detection Kit

6 x 8-well strips, low profile	VS-ABR106L	6 x 8-well strips, high profile	VS-ABR106H
12 x 8-well strips, low profile	VS-ABR112L	12 x 8-well strips, high profile	VS-ABR112H
96-well plate, low profile	VS-ABR113L	96-well plate, high profile	VS-ABR113H
9 x 4-well strips, Rotor-Gene®	VS-ABR136	18 x 4-well strips, Rotor-Gene®	VS-ABR172

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