



"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+B

- ▶ Influenza viruses belong to the Orthomyxoviridae family and cause the majority of viral lower respiratory tract infections. There are 3 types of influenza, A and B being the most common in humans, while influenza C is less common and produces milder disease.

Both types 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. After an incubation period of one to two days, the illness has an abrupt onset. 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. Wild waterfowl are believed to be the natural reservoir of influenza A viruses, which can transmit the virus to numerous other species, primarily poultry, pigs, and humans.
- ▶ **VIASURE Flu A+B Real Time PCR Detection Kit** is designed for the diagnosis of Flu A and/or Flu B in respiratory samples. 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 using specific primers and a fluorescent-labeled probe.

Flu A+B

VIASURE Flu A+B Real Time PCR Detection Kit is designed for specific identification and differentiation of Influenza A and Influenza B (Flu A and/or B) 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 and/or Flu B 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 and Flu B.

► Analytical sensitivity

VIASURE Flu A+B Real Time PCR Detection Kit has a detection limit of ≥ 10 RNA copies per reaction for Flu A and Flu B (figures 1 and 2).

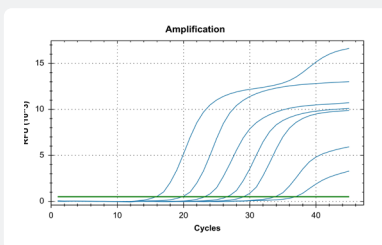


Figure 1.

Dilution series of Flu A (107–101 copies/rxn) template run on the Bio-Rad CFX96 Touch™ Real-Time PCR Detection System (FAM channel).

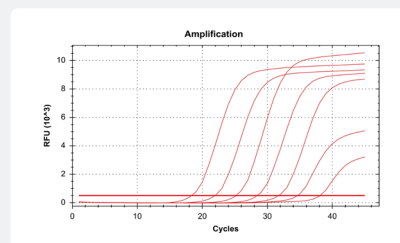


Figure 2.

Dilution series of Flu B (107–101 copies/rxn) template run on the Bio-Rad CFX96 Touch™ Real-Time PCR Detection System (ROX channel).

► References - VIASURE Flu A+B Real Time PCR Detection Kit

6 x 8-well strips, low profile VS-IAB106L
12 x 8-well strips, low profile VS-IAB112L
96-well plate, low profile VS-IAB113L
9 x 4-well strips, Rotor-Gene® VS-IAB136

6 x 8-well strips, high profile VS-IAB106H
12 x 8-well strips, high profile VS-IAB112H
96-well plate, high profile VS-IAB113H
18 x 4-well strips, Rotor-Gene® VS-IAB172