

“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 Typing I

- ▶ Influenza virus is an enveloped, single stranded RNA virus that belongs to the Orthomyxoviridae family and **causes 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.

- ▶ **VIASURE Flu Typing I Real Time PCR Detection Kit** is designed for the diagnosis of Influenza A (H1N1)pdm09 and H3N2 subtypes in clinical samples. The detection is done in a one-step real time RT format where the reverse transcription and the subsequent amplification of the specific targeted 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 a conserved region of the hemagglutinin gene for subtyping of Influenza A (H1N1)pdm09 and H3N2, using specific primers and a fluorescent-labelled probes.

Flu Typing I

VIASURE Flu Typing I Real Time PCR Detection Kit is designed for the specific identification and differentiation of Influenza A (H1N1)pdm09 and H3N2 subtypes in respiratory samples from patients with signs and symptoms of respiratory infection.

This test is intended to be used as an aid in the diagnosis of Influenza A (H1N1)pdm09 and H3N2 subtypes 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 Influenza A (H1N1)pdm09 and H3N2 subtypes.

► Analytical sensitivity

VIASURE Flu Typing I Real Time PCR Detection Kit has a detection limit of ≥ 10 RNA copies per reaction for Influenza A (H1N1)pdm09 and H3N2 (Figure 1 and 2).

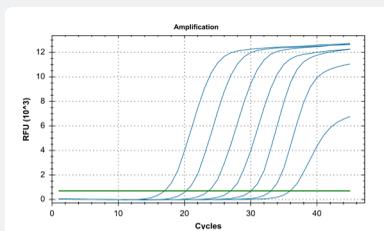


Figure 1.

Dilution series of Influenza A (H1N1)pdm09 (10^7 - 10^1 copies/rxn) template run on the Bio-Rad CFX96™ Real-Time PCR Detection System (channel FAM).

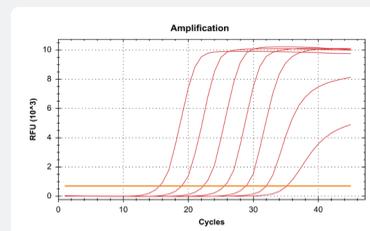


Figure 2.

Dilution series of Influenza A (H3N2) (10^7 - 10^1 copies/rxn) template run on the Bio-Rad CFX96™ Real-Time PCR Detection System (channel ROX).

► References - VIASURE Flu Typing I Real Time PCR Detection Kit

6 x 8-well strips, low profile VS-H13106L
12 x 8-well strips, low profile VS-H13112L
96-well plate, low profile VS-H13113L
9 x 4-well strips, Rotor-Gene® VS-H13136

6 x 8-well strips, high profile VS-H13106H
12 x 8-well strips, high profile VS-H13112H
96-well plate, high profile VS-H13113H
18 x 4-well strips, Rotor-Gene® VS-H13172

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