



Dengue Virus subtypes 1,2, 3 and 4

SKU: QM5006

Product Categories: [Fabricante](#), [Humana](#), [PCR](#), [Vectores insecto](#), [Vivantis](#)

Product Page:

<http://vacunek.com/shop/manufacture/vivantis/dengue-virus-subtypes-1-2-3-and-4/>

Product Summary

Description

The ViPrimePLUS Dengue Virus subtypes 1, 2, 3, 4 RT-qPCR Kit is a Taqman probe-based real-time PCR assay for the detection of Dengue Virus genomes in clinical samples (e.g. blood and plasma).

(RUO)

Código: QM5006

Product Description

Description

The ViPrimePLUS Dengue Virus subtypes 1, 2, 3, 4 RT-qPCR Kit is a Taqman probe-based real-time PCR assay for the detection of Dengue Virus genomes in clinical samples (e.g. blood and plasma).

Dengue virus is an arthropod-borne RNA virus with 4 closely-related serotypes, i.e. DEN 1, 2, 3 and 4. Human infection by any of the serotypes causes dengue, which could develop into life-threatening Dengue Hemorrhagic Fever and Dengue Shock Syndrome. Prevalence of the incidence is high in tropical and subtropical areas due to suitable breeding environment for Aedes mosquito, the common vector for the virus spread. Every year, there are about 100 million cases of dengue virus

infection reported worldwide. Serological diagnosis with IgG and IgM is only applicable after 5 days of the infection when the antibodies are present. Since, the viral level is high within the first 5 days of the infection, direct viral detection is gaining stance in acute phase screening for rapid disease management. Thus, real time PCR test plays a major role in this area.

ViPrimePLUS Dengue Virus subtypes 1, 2, 3, 4 RT-qPCR Kit is intended for research use only.

Kit Component - Dengue Primers and Probe Mix (Dengue PPM) - Positive Control - Internal Extraction Control Primers and Probe Mix (IEC PPM) - Internal Extraction Control (IEC DNA) - Nuclease Free Water - Template Preparation Buffer **Product Specification**

Technology

Taqman probe-based real-time PCR assay

Type of Nucleic Acid Kit

RNA

Kit Storage

Shipped in room temperature, store at -20°C on arrival

Sample Material

Clinical samples (e.g. blood, plasma)

Gene Target

3' untranslated region (3'UTR) of the RNA genome

Detection Limit

10 to <100 copies per reaction

Sensitivity & Specificity

Ct value 28 ± 3 with probability of 95%

Controls Included

- Internal Extraction Control (IEC) as inhibition control
- Positive control

Channels

- FAM channels detect pathogen amplicons
- VIC/HEX channel detects IEC amplicons

Solicitar Manual

Product Attributes

- Reacciones: 150 rxns