



## Plasmodium vivax

**SKU:** QM4015

**Product Categories:** [Fabricante](#), [Humana](#), [Kit para Otras Infecciones Parasitarias](#), [PCR](#), [Vectores insecto](#), [Vivantis](#)

**Product Page:** <http://vacunek.com/shop/manufacture/vivantis/plasmodium-vivax/>

### Product Summary

#### Description

The ViPrimePLUS Plasmodium vivax qPCR Kit is a Taqman probe-based real-time PCR assay for the detection of Plasmodium vivax genomes in clinical samples (e.g. blood).

(RUO)

Código: QM4015

### Product Description

#### Description

The ViPrimePLUS Plasmodium vivax qPCR Kit is a Taqman probe-based real-time PCR assay for the detection of Plasmodium vivax genomes in clinical samples (e.g. blood).

Plasmodium spp. is an obligate protozoan that causes malaria, a common traveler's disease. There are about 200 species identified, and 5 of them infect human, i.e. P. falciparum, P. malariae, P. ovale, P. knowlesi and P. vivax. These parasites exploited mosquitoes of the Aedes, Culex, Mansonia, Theobaldia and Anopheles genera to transmit them to different vertebrate host via biting. Symptoms of the infection includes fever, chills, fatigue, headache, nausea, anemia, diarrhea and in

severe cases, pulmonary and renal dysfunction. Effective treatment is given based on the parasites' species identification. Now, the gold standard of the diagnosis is microscopic examination of blood smears, which lacks of sensitivity and requires considerable expertise. Therefore, real time PCR offers a fast, sensitive and specific solution to the diagnosis.

ViPrimePLUS Plasmodium vivax qPCR Kit is intended for research use only.

**Kit Component** - P. vivax Primers and Probe Mix (P. vivax 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

DNA

Kit Storage

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

Sample Material

Clinical samples (e.g. blood)

Gene Target

Aspartic protease PM4 encoding gene

Detection Limit

10 to <100 copies per reaction

Sensitivity & Specificity

Ct value  $28 \pm 3$  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