



## Ajellomyces capsulatus

**SKU:** QM3001

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

**Product Page:**

<http://vacunek.com/shop/manufacturer/vivantis/ajellomyces-capsulatus/>

### Product Summary

#### Description

The ViPrimePLUS Ajellomyces capsulatus qPCR Kit is a Taqman probe-based real-time PCR assay for the detection of Ajellomyces capsulatus genomes in clinical samples (e.g. respiratory fluids, peritoneal fluids and blood), culture samples and environmental samples.

(RUO)

Código: QM3001

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Ajellomyces capsulatus (a.k.a. Histoplasma capsulatum) is a pathogenic dimorphic fungus which causes lung infection known as Histoplasmosis or Darling's disease. The fungus was first isolated from wooden fragments in Turkey, 1989 and is

commonly found in moist soil with high organic content. Transmission of the infection is by inhalation of the particles into the respiratory tract. There are about 250,000 reported cases of infection annually in US, where only 5% of them showed clinical symptoms. Diseases caused include acute respiratory infection, chronic lung disease that resembles tuberculosis, disseminated histoplasmosis which is fatal if left untreated, and ocular histoplasmosis syndrome (OHS) that contributes to vision loss. Individuals who are immunosuppressed and young infants are more susceptible to develop serious complications. PCR research is currently of interest due to its fast and accurate diagnosis features.

ViPrimePLUS *Ajellomyces capsulatus* qPCR Kit is intended for research use only.

**Kit Component** - *A. capsulatus* Primers and Probe Mix (*A. capsulatus* 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. respiratory fluids, peritoneal fluids, blood)
- Culture samples
- Environmental samples

Gene Target

Hypothetical protein (AFUA\_3G08890)

## Detection Limit

Internal transcribed spacer region of the (ITS1) rRNA gene

## 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