



Klebsiella pneumoniae

SKU: QM2032

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

Product Page:

<http://vacunek.com/shop/manufacture/vivantis/klebsiella-pneumoniae/>

Product Summary

Description

The ViPrimePLUS Klebsiella pneumoniae qPCR Kit is a Taqman probe-based real-time PCR assay for the detection of Klebsiella pneumoniae genomes in clinical samples (e.g. throat swab, cerebrospinal fluid, sputum and blood).

(RUO)

Código: QM2032

Product Description

Description

The ViPrimePLUS Klebsiella pneumoniae qPCR Kit is a Taqman probe-based real-time PCR assay for the detection of Klebsiella pneumoniae genomes in clinical samples (e.g. throat swab, cerebrospinal fluid, sputum and blood).

In the Klebsiella genus, Klebsiella pneumoniae and Klebsiella oxytoca are the most clinically significant pathogens. K. pneumoniae is a Gram negative, rod bacterium, which is a part of the normal flora in the gastrointestinal tract. It colonizes the skin, pharynx and the urinary tract as well by evading the host defense system. Being an opportunistic pathogen, the infection is common among the elderly,

immunocompromised patients and alcoholics, where the host immune system is weakened. The clinical manifestations include pneumonia (most common), meningitis, bacteremia, urinary tract infection, and liver abscess. In recent years, *K. pneumoniae* has become an important pathogen in nosocomial infections, being responsible for the 3-7% of all nosocomial bacterial infections. The emergence of carbapenem-resistant *K. pneumoniae* has limited the choice of treatment of the infection.

ViPrimePLUS *Klebsiella pneumoniae* qPCR Kit is intended for research use only.

Kit Component

K. pneumoniae Primers and Probe Mix (*K. pneumoniae* 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. throat swab, cerebrospinal fluid, sputum and blood)

Gene Target

Outer membrane phosphate porin precursor (phoE) gene

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