



## Enterococcus faecium

**SKU:** QM2024

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

**Product Page:**

<http://vacunek.com/shop/manufacture/vivantis/enterococcus-faecium/>

### Product Summary

#### Description

The ViPrimePLUS Enterococcus faecium qPCR Kit is a Taqman probe-based real-time PCR assay for the detection of Enterococcus faecium genomes in clinical samples (e.g. blood, faeces and urine) and environmental samples such as water and hospital equipment.

(RUO)

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Enterococcus sp. is a group of Gram positive bacteria which is normally found as a normal flora in human and animal gut. However, infection may occur due to the disruption of the microbial balance in the gastrointestinal tract. There are 17

species that cause clinical infections in human, especially in hospital settings. *E. faecalis* and *E. faecium* are the most prevalent species. The latter represents most of the vancomycin-resistant enterococci (VRE) strains. Others such as *E. avium*, *E. gallinarum*, *E. casseliflavus*, *E. durans*, *E. raffinosus* and *E. mundtii* are clinically significant, too. Intrinsically, most enterococci are resistant to beta-lactam antibiotics aside from their capability in acquiring resistance to a broad range of antibiotics. New antibiotics developed to counter the VRE infections may have improved the situation, however resistant strains has been reported recently. Thus, enterococci are considered the most feared nosocomial pathogens.

ViPrimePLUS *Enterococcus faecium* qPCR Kit is intended for research use only.

### **Kit Component**

*E. faecium* Primers and Probe Mix (*E. faecium* 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, faeces, urine)
- Environmental samples (e.g. water, hospital equipments)

Gene Target

groES heat shock protein 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