

# innuDETECT Bacteria Quantification Assay

The qualitative and quantitative identification of different microbiological organisms plays a decisive role in monitoring water quality. This applies to drinking water, industrial water and surface water. Regardless of whether it is a matter of determining the total bacterial load, detecting organisms as a key indicator of hygiene or potential contamination - the **innuDETECT Water Pathogen Assays** offer a range of excellent detection assays based on real-time PCR.

Highly specific TaqMan® probes allow sensitive detection of the corresponding target organism from extracted DNA by detection in the FAM channel. The internal controls also included in the assay offer maximum security with regard to the validation of the results obtained. In addition to reliably detecting isolated pathogens such as *Clostridium perfringens* or *Yersinia enterocolitica* using the corresponding innuDETECT assays, the differentiation of *Legionella* spp. and *Legionella pneumophila* can be determined efficiently in just one PCR reaction. The innuDETECT Bacteria Quantification Assay also provides reproducible semi-quantitative analysis of the general bacterial load.

## Specifications

- Highly specific detection of relevant water pathogens within a very short time
- Differentiation of *Legionella pneumophila* among *Legionella* spp. in only one multiplex reaction
- Lyophilized master mixes for adequate shipping and storage
- Maximum efficiency - results available in up to 60 min

### Detection principle

real-time PCR

Bacterial target 1 (FAM)

Bacterial target 2 (Cy5)<sup>1</sup>

Internal Control (HEX)

<sup>1</sup>*applicable to innuDETECT Legionella Assay*

### **Starting material**

Extracted DNA

### **Detection Time**

60 – 90 min

### **Sensitivity**

Assay specific between 1-10 DNA copies/PCR or depending on the background of the negative control

**Product Name:** innuDETECT Bacteria Quantification Assay

## **Product details**

**Reactions:** 24 or 96/Water Pathogen Assays

### **The online shop**

Price: € 126.00

Content: 24 reactions

Please select packing  ▼