Innuscreen
innovative Sensor Technology

innuDETECT Bacteria Quantification



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)[1]
Internal Control (HEX)
[1]*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 24 reactions ▼