

LEGIPID[®] LEGIONELLA FAST DETECTION KIT. REF. 311-10-01/02/04

ó Description

The Legipid[®] Legionella Fast Detection kit directs your analysis to *Legionella spp* intact free cells. Its performance is based on three chemical reactions: a capture reaction, a labeling reaction (both are antigen-antibody), and a third type based on enzymatic reaction.

ó Features

- ◆ Fast. Obtaining the analytical result in 50-60 minutes.
- ◆ Reliability.
- ◆ Easy to use. Low operator skill is required.
- ◆ Shelf life of 5 months.
- ◆ Storage: 2-8°C.
- ◆ Preventive value.
- ◆ Use as screening or alternative method
- ◆ Qualitative or Quantitative results
- ◆ Validated and certified

ó Data validation

- ◆ Bacteria detected: *Legionella spp*: 90.14% of the assayed environmental strains (*Legionella pneumophila*: 100%, all serogroups)
- ◆ Concentration method: membrane filtration.
- ◆ Method of detection: immunomagnetic capture and enzyme immunoassay.
- ◆ Validation data:
 - ó Sensitivity: 95.3%
 - ó Specificity: 88.4%
 - ó Falses positives: 11.6%
 - ó Falses negatives: 4.7%
 - ó Efficiency: 92.4%
- ◆ LOD50 = 93 cfu/volume examined (Qualitative analysis)
- ◆ LOD= 40 cfu/volume examined (Quantitative analysis)
- ◆ LOQ= 60 cfu/volume examined (Quantitative analysis)
- ◆ Sample volume: 9 ml

ó Calibration line

$Y = 2.3061 \cdot X + 4.9815$; Y= Log Concentration (cfu/test), X= Log Abs_r, Abs_r= Abs (T) test – Abs (C), cfu= colony forming units, Abs_r=relative absorbance to 429 nm, Abs (T)= test absorbance (sample), Abs (C) = negative control absorbance (white)