



Legionella Prevention

The Right Action at the Right Time

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Product using technology



FAST SOLUTION

FOR *LEGIONELLA PNEUMOPHILA* MONITORING

Legio EZ-Lab can identify **Sanitary Hot Water** and **Cooling Tower Water** samples containing **less than 1 000 CFU/L***, between **1 000** and **100 000 CFU/L*** or more than **100 000 CFU/L*** of *Legionella pneumophila* in just **48 hours**.

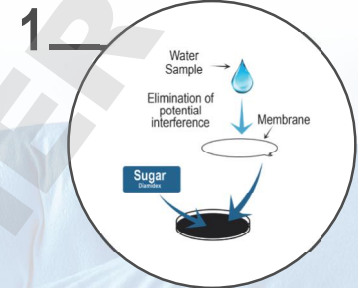


48H

The Legio EZ-Lab Solution

Legio EZ-Lab has been developed to provide a simple, fast and efficient tool for risk control of *L. pneumophila* in water.

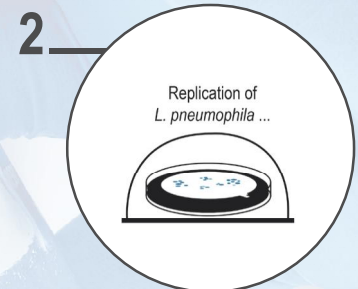
Based on **Diamidex technology**, a **CNRS** (French National Center for Scientific Research) **patented innovation**, Legio EZ-Lab provides a **semi-quantitative** measure of culturable *Legionella pneumophila* concentration (all serogroups) in Sanitary Hot Water and Cooling Tower samples in **only 48 hours**, making it the most precise and valuable alternative to the **ISO 11731** standard culture method for self-monitoring tests.



STEP 1 - PREPARATION

Sample culture on selective GVPC agar

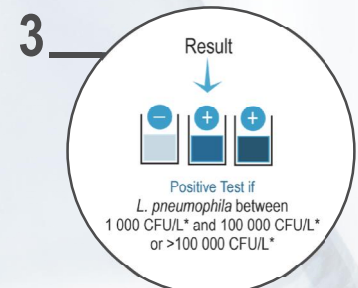
10 minutes of manipulation time for 1-12 tests



STEP 2 - INCUBATION

Diamidex modified sugar** is exclusively assimilated by *L. pneumophila*.

47 hours of hidden time



STEP 3 - REVELATION

Revealing of the modified sugar present after assimilation in the O-antigenic part of the lipopolysaccharide of culturable *L. pneumophila* of any serogroups, via a reaction allowing to perform an enzymatic colorimetric reaction.

50 minutes of manipulation time for 1-12 tests

TURN-KEY SOLUTION

- Fits easily into a Lean Approach
- Simple protocol for rapid implementation by your technical staff
- Cost-effective packaging, suitable for laboratories (96-test batch)

UNIQUE OFFER FOR YOUR CUSTOMERS

- Equivalent results to the ISO 11731 standard method (CFU/L*)
- In only 48 hours
- Not matrix-dependent

DIAMIDEX TECHNOLOGY

TRADITIONAL CULTURE METHOD ISO 11731



DIAMIDEX CULTURE METHOD



A technological innovation with **no usage break**. *L. pneumophila* are still subjected to culturing. Colorimetric labeling makes them visible at an **earlier stage of growth**.

TECHNICAL SPECIFICATIONS

Assays based on 275 water samples from various environmental sources.

93% matching with ISO 11731 (determination of presence/absence at the 1 000 CFU/L* threshold)

80% matching with semi quantitative distribution beyond 1 000 CFU/L*.

