

# legiolab<sup>®</sup>

COOLING TOWER LEGIONELLA DETECTION

**Legiolab** is an online system for Cooling Tower *Legionella* detection and quantification

Legiolab automatically performs sampling and analysis of *Legionella* providing a reliable result within an hour



biótica<sup>®</sup>

FAST DETECTION FOR LIFE

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# Features & Communications

**Legiolab** allows you to monitor your system in real time from anywhere

Learn on your mobile device, through a mail or through any computer the amount of *Legionella* present in the cooling tower. Schedule your auto control system strategy and adjust a biocide application as needed, receive alerts and act proportionately and immediate.



Risk facility



Equipment



Display



Remote data

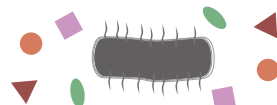
**Legiolab**, the tranquility of being always informed.

# Technology

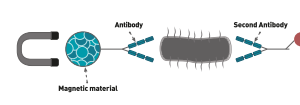
Based on the product - Legipid – Legionella Fast Detection (AOAC Research Institute certificate 111101) **Legiolab** uses magnetic microspheres activated with antibodies capturing *Legionella* intact cells in complex water matrices (cooling tower).

Through an advanced magnetic catch, **Legiolab** traps particles with *Legionella* avoiding interference from other substances and microorganisms. Final colorimetric reaction provides a reliable *Legionella* quantification in the sample.

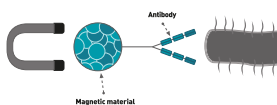
Keep informed about *Legionella* level at all times to take timely steps.



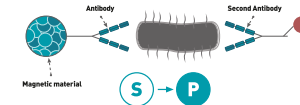
Sampling



Marking step



Capturing step



Detection step

# Specifications

## Characteristics

Sampling feeder	✓
Filtration / Concentration / Elution	✓
Analysis	✓
Analysis results reading	✓
Display results	✓
Automatic filter feeder	✓
Automatic cartridge feeder	10 units
Cartridge batch traceability	✓
Communications	Modbus TCP/IP, Http server
Internal Climatization	25 °C

## Operation

Out Temperature Range	-10°C to +40°C
In Operation Temperature	25 °C
Display	Character display monocrome

## Other specifications

Dimensions (HxWxD) (mm)	1500x1360x550
Weight	175 Kg
Power supply	AC 220V/50 - 60Hz
Power consumption	1.25 KW max
Sample inlet pressure	0-1 bar

