

LEGIONELLOSIS A FEW FIGURES

- An average of 6,000 cases in Europe every year
- An average of 10% mortality
- Up to 50% mortality in aged or immuno-deficient populations
- · Notifiable infection (as plague, chikungunya, cholera, yellow fever...)

The CDC* estimates that a more efficient prevention policy would decrease the legionellosis epidemics by 90%**

LEGIONELLA

Legionella pneumophila (commonly called pathogenic legionella) is а responsible for legionellosis, a severe and potentially lethal form of pneumopathy.

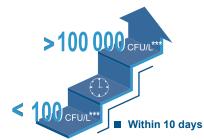
Legionella grows in 25°C to 45°C waters. Every hot water system (showers, spa, swimming pools, atomizers...) and cooling towers water system may contain legionella, and stand therefore at a sanitary risk.

At a certain threshold of legionella concentration (quantity) into the water system, the risk that the bacteria gets inhaled by a user becomes too substantial.

THE RISK ESTIMATION

In less than 10 days,

L. pneumophila can go from a non-detectable concentration to a concentration presenting a



4 necessary criteria. Using them can then lead to sanitary risks (non-detection of pathogenic bacteria) or economical and environmental







BASED ON THE **SAME TECHNIQUE** AS THE **GOLD STANDARD METHOD**Detect **exclusively** *Legionella pneumophila*, culturable (**CFU/L**)***, of all serogroups

- 1 Define your control threshold(s)
- 2 Make your test, directly on site
- 3 Get your result within 48H



SPECIFICITY



INCLUSION



VIABILITY



QUANTIFICATION



THE ONLY FAST METHOD ABLE TO EVALUATE THE EFFECTIVE RISK!



- A legionella detection at the threshold defined by your control policy
- Suitable for Hot Water Systems



- A **semi-quantitative** evaluation of legionella concentration in your system, with **two detection thresholds**
- (Less than 1 000 CFU/L***, between 1 000 and 100 000 CFU/L***, or more than 100 000 CFU/L***)
- Suitable for Cooling Towers







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