hydrosense®

World's first on-site ultra-rapid Legionella test to detect all *Legionella pneumophila* serogroups 1-15

25 MINUTES

www.hydrosense-legionella.com

Hydrosense PRO

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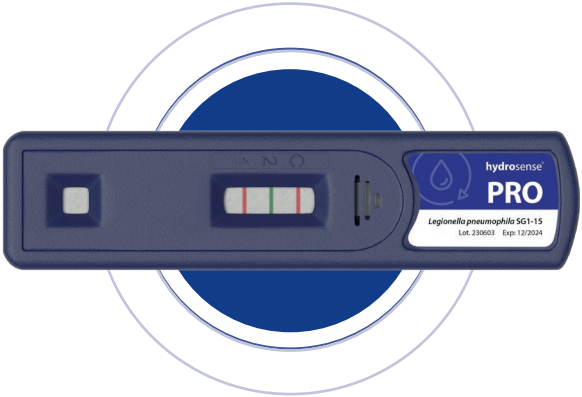
Hydrosense PRO stands as the foremost rapid testing solution for *Legionella pneumophila*, the primary species responsible for Legionnaires' disease.

Innovatively leading the rapid testing sector, our experts have engineered an accurate on-site testing procedure specifically designed to identify *Legionella pneumophila* serogroups 1-15 in water systems and biofilms.

This user-friendly test demands no prior training or expertise and delivers conclusive results within a mere 25 minutes.



The Hydrosense test has been crafted and independently verified for application in critical risk zones, including cooling towers, water tanks, residential hot water systems, sinks, showers, ornamental fountains, whirlpool spas, among others.

The technology behind this test identifies *Legionella pneumophila* serogroup 1 on one test line and serogroups 2-15 on another, giving the insight as to which strain of the bacteria is the cause of contamination. The swift availability of results empowers stakeholders to take immediate corrective measures, significantly reducing the health risks associated with exposure to *Legionella pneumophila.*

Lab Culture for Legionella testing cannot fully protect you

We have gathered 6 reasons why:

	Lab Culture	Hydrosense
	Transport damage – Legionella in water samples can be killed during transportation, giving a false negative.	**Hydrosense tests are carried out on-site** – no need for transportation.
	Acid and heat treatment – used in labs to purify the sample, it can kill Legionella, giving a false negative.	**The Hydrosense test ignores non-Legionella bacteria** – no need for acid or heat treatment.
	Viable but non-culturable Legionella – dangerous VBNC Legionella can never be detected by lab culture.	**Hydrosense tests detect VBNC Legionella** – reducing the risk immediately.
	Artificial environment – the artificial environment of a lab plate does not mimic natural amoeba, giving a false negative.	**Our test uses antigen** – therefore no need to culture.
	Motile phase Legionella infects human lungs – not easily replicated via the culture method, due to the absence of natural amoeba.	
	The lab test is too slow! – Legionella can double in a day so lab culture results are either too late or no longer relevant.	**Hydrosense tests deliver results in 25 mins** – immediately allowing duty holders to take action.

This is why adding in Hydrosense tests to your water management program is ideal for protecting more lives.

hydrosense®

Hydrosense PRO Ultra Legionella Water Test

Our premier and comprehensive Legionella testing solution, perfectly suited for diverse water sources. This one-time-use kit stands out for its exceptional coverage. Leveraging innovative Hydrosense filter technology, our kit ensures precise bacteria detection by filtering the water sample effectively.

Exceptionally reliable, it is the go-to choice for areas at increased risk, including cooling towers, water storage units, decorative fountains, shower systems, basins, as well as spa and swimming facilities.

	Hydrosense PRO Ultra Water
Limit of Detection	100 CFU/L – Highly sensitive
Includes	1 test
Action levels	1000 CFU/L and 10,000 CFU/L
Shelf life	18 months from date of manufacture
Part number	500500

Hydrosense PRO Ultra Legionella Swab Test

Facilitates the sampling of biofilm, the common habitat for *Legionella pneumophila* growth, making it an effective tool for identifying the bacteria's origin.

The process involves collecting a sample through swabbing areas where biofilm accumulates. This method is highly recommended for evaluating surfaces in environments such as cooling towers, water tanks, sinks, showers, misters, sprinklers, air washers, and humidifiers, among others.

	Hydrosense PRO Ultra Swab
Limit of Detection	200 CFU per swabbed area
Includes	1 swab test
Shelf life	18 months from date of manufacture
Part number	500502

Hydrosense PRO Ultra Legionella Industrial Kit

Ideal where repeated sampling is required. Uses our unique Hydrosense filter technology, isolating the bacteria via standard plumbing connections. Water is collected via sample point. Recommended for high risk areas and more turbid solutions.

	Hydrosense PRO Ultra Industrial	Hydrosense PRO Ultra Industrial Refill
Limit of Detection	100 CFU/L – Highly sensitive	100 CFU/L – Highly sensitive
Includes	5 tests	5 tests
Action levels	1000 CFU/L and 10,000 CFU/L	1000 CFU/L and 10,000 CFU/L
Shelf life	18 months from date of manufacture	
Part number	500501	500503

Why choose Hydrosense PRO?

It's the worlds fastest on-site *Legionella pneumophila* test.

Detects all the *Legionella pneumophila* serogroups 1-15 - the cause of the majority of Legionnaires' disease outbreaks.

It delivers test results in 25 minutes.

It can detect dangerous VBNC Legionella, something lab culture cannot.

Anyone can carry out the tests with minimal training.

It gives real-time results – you don't have to wait several weeks for lab reports.

For increased traceability, a Hydrosense PRO Results Form can be downloaded from our website for yours or your customers records.

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on-site Legionella test
Results in just 25 minutes

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