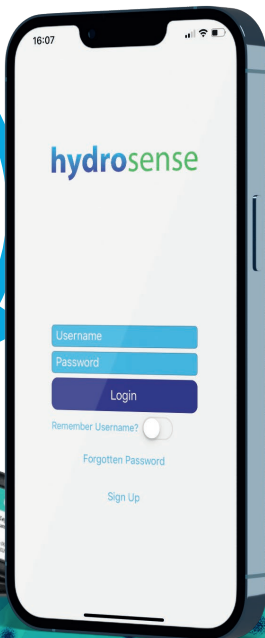


# hydrosense<sup>®</sup>

The world's fastest on-site Legionella test  
Results in just 25 minutes

25  
MINUTES



# ONE

## Hydrosense ONE - same accurate and fast Legionella test with a new name

We called it ONE because:

- It's the fastest Legionella test in the world.
- It detects *Legionella pneumophila* serogroup 1, which accounts for 90% of Legionnaires' disease cases.
- It's the first rapid test within our range.

**The speed and recovery rate of this Legionella test firmly deserves its name as ONE.**

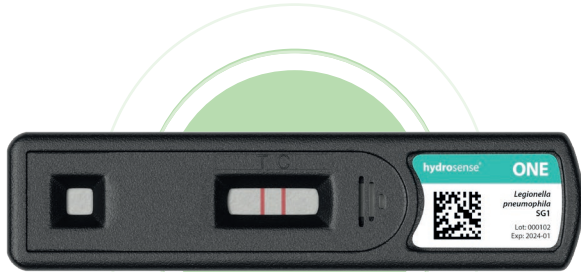


### **Hydrosense is the world's fastest rapid testing kit for Legionella bacteria.**

As a pioneer in the rapid testing industry, our specialists have developed an on-site testing method for detecting deadly Legionella bacteria in water and biofilm.

The tests require no training or experience and gives results in just 25 minutes.

Rapid results allow for fast action to be taken and help duty holders to mitigate risks associated with public exposure to Legionella bacteria.



The Hydrosense test was developed and independently validated for use in high risk areas such as, cooling towers, water tanks, domestic hot water systems, sinks, showers, decorative fountains, whirlpool spas and more.

Its convenience and incredible ease of use makes it the first choice for companies where reputation is crucial; where customers and employees safety is paramount; where clients are vulnerable and where facilities are in remote locations.

The test works just like a COVID-19 lateral flow or pregnancy test. One line indicates a negative result and two lines indicate a positive result.

## Lab Culture for Legionella testing cannot fully protect you

We have gathered 8 reasons why:

### Lab Culture



**Transport damage** – Legionella in water samples can be killed during transportation, giving a false negative.



**Acid and heat treatment** – used in labs to purify the sample, it can kill Legionella, giving a false negative.



**Viable but non-culturable Legionella** – dangerous VBNC Legionella can never be detected by lab culture.



**Artificial environment** – the artificial environment of a lab plate does not mimic natural amoeba, giving a false negative.



**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.



**Lab culture testing lower recovery rates** – making risk management almost impossible.



**Inefficient information and audit trail** – the report must be interpreted before action planning, adding further delays.

### Hydrosense

**Hydrosense tests are carried out on-site** – no need for transportation.

**The Hydrosense test ignores non-Legionella bacteria** – no need for acid or heat treatment.

**Hydrosense tests detect VBNC Legionella** – reducing the risk immediately.

**Our test uses antigen** – therefore no need to culture.

**Hydrosense tests deliver results in 25 mins** – immediately allowing duty holders to take action.

**Our recovery rate is 80%** – lab culture's is 64%.

**Our App and portal records and reports results in real-time** – no need for lengthy reports.

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



### Hydrosense ONE Ultra and Multi Legionella Water Test

Our most flexible test – sample can be collected from any source. Uses our unique Hydrosense filter technology, isolating the bacteria.

Recommended in high risk areas such as cooling towers, water tanks, fountains, showers, sinks, spas and pools.

	Hydrosense ONE Ultra Water	Hydrosense ONE Multi Water
Limit of Detection	100 CFU/L – Highly sensitive	1000 CFU/L (plus 10,000 CFU/L verified Hazard Index rating)
Includes	1 test	
Part number	100198	100254



### Hydrosense ONE Ultra Legionella Swab Test

Allows sampling of biofilm, where Legionella typically grows. Very useful for locating the source of infection.

Sample is collected by swabbing the surface where biofilm is present.

Recommended for testing surfaces of cooling towers, water tanks, sinks, showers, misters, sprinklers, air washers, humidifiers and others.

	Hydrosense ONE Ultra Swab
Limit of Detection	200 CFU per swabbed area
Includes	1 swab test
Part number	100220



## Hydrosense ONE Ultra and Multi 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 ONE Ultra Industrial	Hydrosense ONE Multi Industrial
Limit of Detection	100 CFU/L – Highly sensitive	1000 CFU/L (plus 10,000 CFU/L verified Hazard Index rating)
Includes	5 tests	
Part number	100182	100264

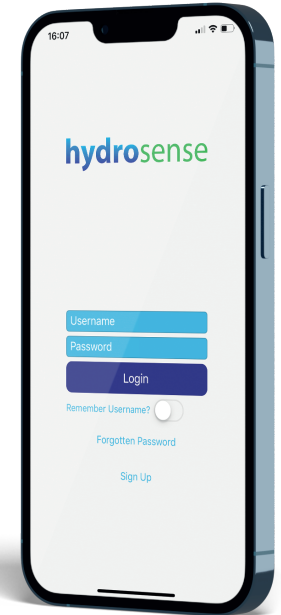
# hydrosense®

## APP AND PORTAL

All Hydrosense customers have free access to the Hydrosense Pro App and portal – allowing them to take control of their Legionella testing program in real-time.

The system scans, records and reports results - a smart system which immediately alerts duty managers allowing them to act quickly if Legionella is detected.

All data collected by the App is centrally stored and automatically synchronised with the portal, providing you with a secure, reliable dataset for risk analysis, risk mitigation and trend predictions. All you need is a phone or laptop and an internet connection.



Download the App to get started:



# Why choose Hydrosense?



It's the world's fastest on-site Legionella test.



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.



The App and portal alerts duty managers automatically and provides a robust dataset for risk analysis.

# hydrosense<sup>®</sup>

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

**25**  
MINUTES





## Hydrosense PRO

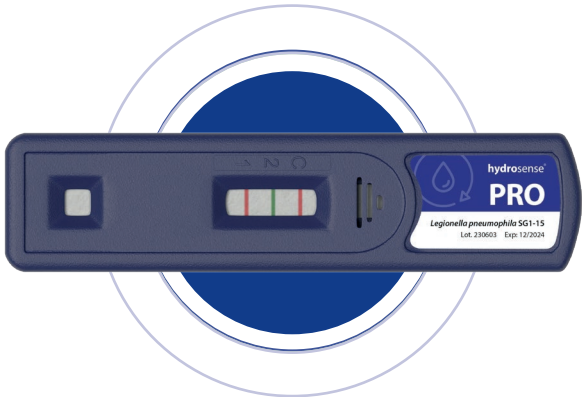
### World's first on-site ultra-rapid Legionella test to detect all *Legionella pneumophila* serogroups 1-15

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

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



## 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 world's 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.