

# Introduction to Hydrosense Test Kits



**Hydrosense is the world's only test that can detect *Legionella pneumophila* sero-group 1 on-site in only 25 minutes and can be performed on-site by anyone with minimal training.**

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The traditional Lab Culture method for Legionella testing takes 10-14 days to produce results; has a low recovery rate and ignores some dangerous forms of Legionella bacteria.

The Hydrosense rapid testing method offers an alternative solution which is accurate, completely on-site and fast - in fact, it's the fastest Legionella test in the world and provides results in as little as 25 minutes. The immediate results allow for rapid corrective action to be taken and can help duty holders to mitigate the health risks associated with public exposure to Legionella bacteria, such as illness and fatalities, and the business risks such as fines, bad press and lengthy shutdowns.

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

Its convenience and incredible ease of use make 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 pregnancy test. One line indicates a negative result and two lines indicate a positive result.**

## The Hydrosense Kit Range

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### **The Legionella Single Syringe Test Kit - 100198**

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The Hydrosense Legionella Single Syringe Test Kit is the most flexible kit in the Hydrosense range. It allows for water sample testing from any outlets or water source and is highly recommended in high-risk areas such as cooling towers, water tanks, fountains, showers, sinks, cooling towers, spas and pools.

- Sensitivity of 100 CFU/L - Highly sensitive.
- Includes 1 test.
- Water sample can be collected from any source.
- Includes tools that allow filtration of water and concentration of bacteria.



### **The Legionella Single Syringe EU Test Kit - 100254**

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The Hydrosense Legionella Single Syringe Test Kit also comes in an EU version, which allows for testing of Legionella at levels that are considered dangerous by European regulation. The test has two specific action levels: a score of 1 or greater  $\geq$  1000 CFU and a score of 6 or greater  $\geq$  10,000 CFU/L.

The Hydrosense logo features the word "hydrosense" in a sans-serif font. "hydro" is in blue and "sense" is in green.

*smarter test, safer water*

## **The Hydrosense Legionella Industrial Test Kit - 100182**

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The Hydrosense Legionella Industrial Test Kit is ideal for facilities where repeated sampling is required. The kit includes an industrial sample point that can be fitted into standard plumbing connections. This sample point allows for faster and more convenient filtration of water samples and is recommended for high-risk areas such as cooling towers, showers, water tanks and pipe fittings in domestic and industrial water systems.

- Sensitivity of 100 CFU/L - Highly sensitive.
- Includes 5 tests.
- Water sample is collected via sample point pipe fitting adaptor with 1/2" and 3/4" female threaded connectors. Note that this can also connect to a shower head thread.
- Includes tools that allow filtration of water and concentration of bacteria.



## **The Hydrosense Legionella Industrial EU Test Kit - 100264**

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The Hydrosense Legionella Industrial Test Kit also comes in an EU version, which allows for testing of Legionella at levels that are considered dangerous by European regulation. The test has two specific action levels: a score of 1 or greater  $\geq 1000$  CFU and a score of 6 or greater  $\geq 10,000$  CFU/L.

## **The Hydrosense Legionella Swab Test Kit - 100144**

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The Hydrosense Legionella Swab Test Kit allows for sampling of biofilm, scale and sludge found on surfaces where Legionella can often grow. It is very useful for locating the source of infection and is recommended for testing surfaces of cooling towers, water tanks, sinks, showers, misters, sprinklers, air washers, humidifiers and others.

- Sensitivity of 200 CFU per swabbed area.
- Comes in packs of 1 or 5.
- Sample is collected by swabbing the surface where biofilm grows.



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*smarter test, safer water*

## **The Hydrosense Legionella Risk Assessment Test Kit - 100202**

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The Hydrosense Legionella Risk Assessment Test Kit allows testing of both water samples and biofilm. Perfect for risk assessments, is highly useful for identifying the source of infection and is recommended for testing water samples and surfaces of cooling towers, fountains, water tanks, sinks, showers, misters and spas and pools.

- Includes 2 Single Syringe (water) Tests and 2 Single Swab (biofilm) Tests.
- Single Syringe water test includes tools that allow filtration of water and concentration of bacteria.



## **The Hydrosense Legionella Risk Assessment EU Test Kit - 100263**

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The Hydrosense Legionella Risk Assessment Test Kit also comes in an EU version, which allows for testing of Legionella at levels that are considered dangerous by European regulation. The test has two specific action levels: a score of 1 or greater  $\geq 1000$  CFU and a score of 6 or greater  $\geq 10,000$  CFU/L.

## **The Hydrosense Legionella Direct Test Kit - 100104**

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The Hydrosense Legionella Direct Test Kit allows for more frequent sampling at a lower sensitivity. Because of its lower sensitivity, this kit is not recommended for very high-risk industries such as hospitality, healthcare or cooling towers.

- Sensitivity of 100,000 CFU/L
- Includes 10 tests.
- Very flexible and simple to carry out.
- Water sample can be collected from any source.





**hydrosense**

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## Hydrosense Pro

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All Hydrosense customers have free access to the Hydrosense Pro App and Portal, which offers real-time reading of tests and connectivity between locations and individuals.

The App can read the test accurately and provides semi-quantified results. Recorded information on location, time, and the type of system being tested allows identification of areas of increased risk. Consequently, enabling the user to effectively mitigate any risks by making better-informed decisions.

The data collected by the App is automatically synchronised with the Portal and real-time integration ensures that a track record is kept of all results, helping duty holders to identify future trends. It is also possible for users to produce and print a certificate of completion which they can add to risk assessment records for audit purposes.

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Hydrosense is the world's fastest and only on-site Legionella test. It can provide critical information on Legionella pneumophila SG1 bacteria, including dangerous Viable But Non-Culturable (VBNC) bacteria, and give more timely results, thus minimising Legionella risks significantly.

This simple test allows any organisation to maintain vigilant control over their water system quality and when combined with Hydrosense Pro technology, provides the fastest way to progress from taking a water sample to delivering an actionable result to the duty holder.

**Smarter test. Safer Water.**