

Industrial Legionella TestTM

...delivering microbiology results in minutes instead of days

- Fast results
- High sensitivity
- In-line sampling
- Ideal for industrial samples

The Industrial Legionella TestTM, is a breakthrough technology from hydrosense® for the rapid detection of *Legionella* bacteria in industrial water – delivering test results in minutes instead of days.

The test kit contains all the items required to perform 5 tests – including filters, recovery buffer, collection vessel and sample point.

- These tests are optimised for use with **industrial** water systems, **cooling towers** and whirlpool **spas**.
- This filtration step needs **no pumping**, just connect the sample point to the water system and use the system pressure to drive the filtration.
- Single use **hollow fibre filtration modules**.
- Pre-filled syringe containing recovery buffer, no need to measure or dilute solutions.
- The test is **simple to use** and **fast**, with no interpretation required.
- Results are **easy to read** and obtained within 30 to 35 minutes.
- The test allows **immediate understanding** and response to the water conditions.
- Use can **reduce risk** of outbreaks and litigation.
- Regular use will **increase confidence** in your *Legionella* control.

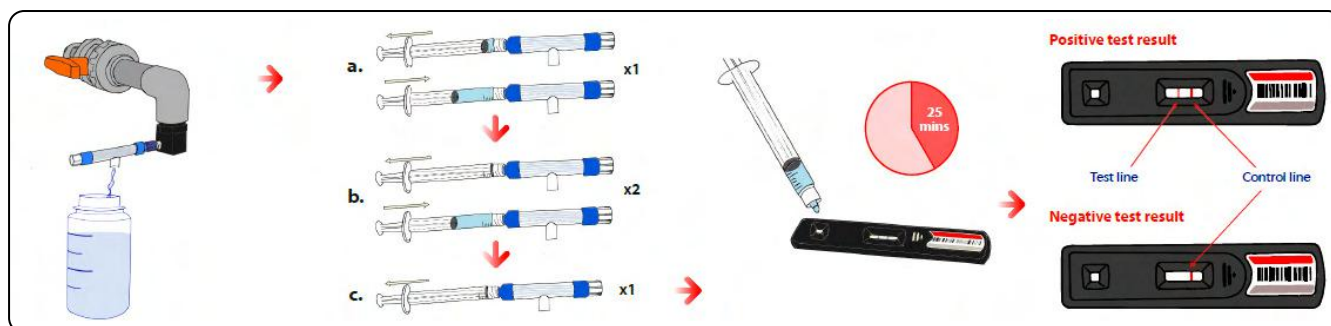


Industrial Legionella TestTM
Product code 100182

The hydrosense® Legionella Field TestTM uses an immunochromatographic assay, to detect the presence of cell surface antigens from *Legionella* bacteria in a sample. The presence of antigen causes the “Test Line” to turn red in colour. A “Control Line” is included which should always turn red if the test has been performed correctly.

Product details

Bacteria detected	<i>Legionella pneumophila</i> serogroup 1
Detection method	Lateral flow immunochromatographic assay
Lower limit of detection	Up to 100 CFU/L (0.1 CFU/mL)
Specificity	<p>Tested against a wide range of waterborne bacteria, including <i>Acinetobacter calcoaceticus</i>, <i>Aeromonas hydrophila</i> subsp. <i>hydrophila</i>, <i>Bacillus subtilis</i>, <i>Burkholderia cepacia</i>, <i>Citrobacter freundii</i>, <i>Citrobacter koseri</i>, <i>Escherichia coli</i>, <i>Enterobacter cloacae</i>, <i>Klebsiella oxytoca</i>, <i>Pseudomonas aeruginosa</i>, <i>Pseudomonas fluorescens</i>, <i>Pseudomonas putida</i>, <i>Pseudomonas stutzeri</i>, <i>Ralstonia pickettii</i>, <i>Raoultella terrigena</i>, <i>Streptococcus pyrogenes</i>, <i>Yersinia ruckeri</i>. No cross reactions observed at concentrations $\leq 10^9$ CFU/L.</p> <p><i>Staphylococcus aureus</i> has been observed to cross react with the test at concentrations $> 10^8$ CFU/L.</p> <p><i>Legionella pneumophila</i> serogroups 4 & 7 cross react with the test at concentrations $> 10^9$ CFU/sample. The test does not react with any other <i>L. pneumophila</i> serogroups or <i>L.</i> species tested.</p>
Test volume	100 μ L
Suggested sample volume	250 mL
Sample parameters	Sample should filter in less than 10 minutes.
Biocides	<p>The product has been tested with a range of common biocides and biocidal dispersants used in <i>Legionella</i> control, at their normal maximum operating concentration. Active ingredients tested include: glutaraldehyde, didecyl-dimethyl-ammonium chloride, isothiazoles, dibromonitripropionamide, ionic and non-ionic surfactants.</p> <p>The test gives a false positive if used with polymeric biguanide or THPS.</p>
Operator time	5 - 10 minutes
Development time	25 minutes
Sample point	Supplied with both 1/2" and 3/4" female threaded fittings, additional sample points are available (part no. 100171)
Shelf life	18 months from manufacture when stored at room temperature ($< 30^{\circ}\text{C}$) in original packaging.



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