

Legionella Field Test™ Kit

The *Legionella Field Test*™ Kit, is a breakthrough technology from Hydrosense for the rapid detection of Legionella bacteria in industrial water — delivering test results in minutes instead of days.

- Fast results
- Practical design for field deployment
- Easy to use
- Qualitative results



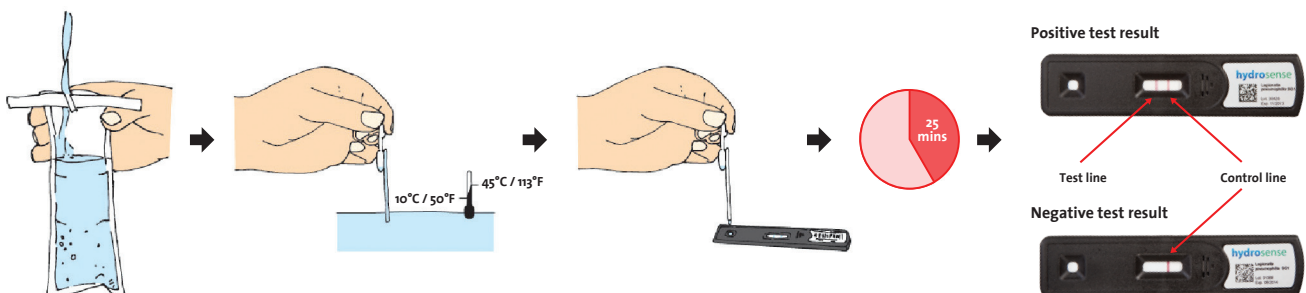
Legionella Field Test™ product code 100104

The test kit contains everything required to perform 10 tests — including sample collection containers and disposable pipettes.

- These tests are optimised for use with hot and cold water systems, whirlpool spas, showers, cooling towers and industrial water systems.
- The test is simple to use and fast, with no interpretation required.
- Results are easy to read and obtained within 25 minutes.
- There are no chemicals to measure or handle.
- 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.

The Hydrosense *Legionella Field Test*™ 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.

Alternative versions of the test for specialist applications are also available.



Product details

Bacteria detected	<i>Legionella pneumophila</i> serogroup 1	
Detection method	Lateral flow immunochromatographic assay	
Lower limit of detection	Approx. 10 ⁵ CFU/L (100 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>.</p> <p>No cross reactions observed at concentrations ≤ 10⁹ CFU/L. <i>Staphylococcus aureus</i> has been observed to cross react with the test at concentrations > 10⁸ CFU/L.</p> <p><i>Legionella pneumophila</i> serogroups 4 & 7 cross react with the test at concentrations > 6x10⁹ CFU/L. The test does not react with any other <i>L. pneumophila</i> serogroups or <i>L.</i> species tested.</p>	
Test volume	100 µL Exact volume disposable pipette provided	
Sample parameters	pH range Sample temperature range Environmental operating range 1 Free chlorine concentration Total Alkalinity Total Hardness	5–10 15–45 °C (59–113°F) 5–40 °C (59–104°F) <5ppm <1000 ppm <1000 ppm
Biocides	<p>The product has been tested with a range of common biocides and biocides used in <i>Legionella</i> control, at their normal maximum operating concentration. Active ingredients tested include: glutaraldehyde, didecyl-dimethyl-ammonium chloride, isothiazoles, dibromonitropropionamide, ionic and non-ionic surfactants.</p> <p>The test gives a false positive if used with polymeric biguanide or THPS.</p>	
Operator time	<2 minutes	
Development time	25 minutes	
Shelf life	6 months from manufacture when stored at room temperature (<30°C) in original packaging	