

Legionella Field Test™

...delivering microbiology results in minutes instead of days

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

The Legionella Field Test™ is a breakthrough technology from hydrosense® for the rapid detection of *Legionella* bacteria in water – delivering test results in minutes instead of days.

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.



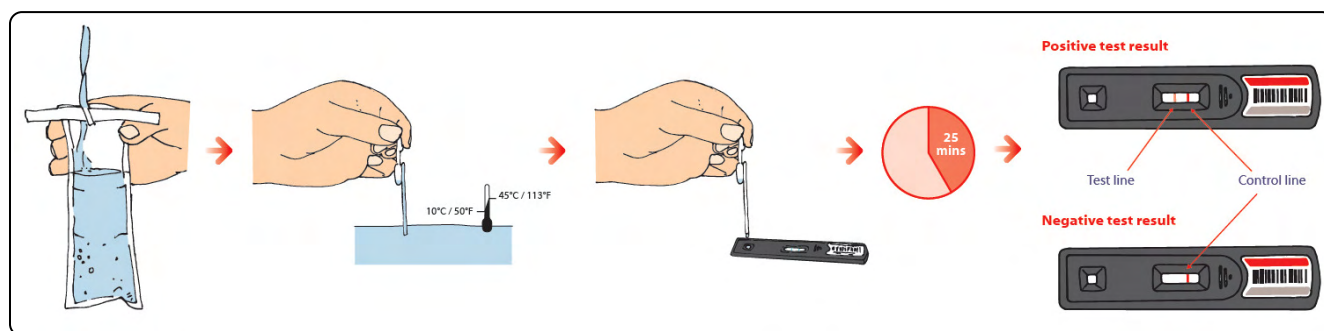
Legionella Field Test™
Product code 100104

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 pyogenes</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 $> 6 \times 10^9$ 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 μ L	Exact volume disposable pipette provided
Sample parameters	<p>pH range 5-10</p> <p>Sample temperature range 15-45 °C (59-113 F)</p> <p>Environmental operating range 15-40 °C (59-104 F)</p> <p>Free chlorine concentration < 5ppm</p> <p>Total Alkalinity <1000 ppm</p> <p>Total Hardness <1000 ppm</p>	
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	<2 minutes	
Development time	25 minutes	
Shelf life	18 months from manufacture when stored at room temperature (<30 °C) in original packaging	



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