

## Single (Syringe) *Legionella* Field Test™

The Single (Syringe) *Legionella* Field Test™ is the most versatile technology from Hydrosense for the rapid detection of *Legionella* bacteria in water samples taken from any source.

- Any system anywhere
- Fast results
- Easy to use
- High sensitivity and reliable

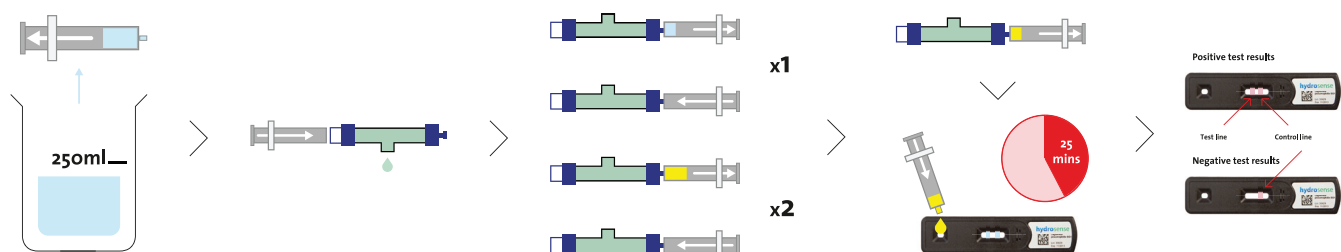


Single (Syringe) *Legionella* Field Test™ product code 100198

### The test contains all the items required to perform 1 test.

- This test is designed for any water system such as hot and cold water systems, showers, industrial water systems (e.g. cooling towers) and domestic water systems.
- The filtration step does not require any effort, and it allows the concentration of the *Legionella* bacteria to achieve a sensitivity of 100 CFU/L.
- Pre-filled syringe containing recovery buffer, no need to measure or dilute solutions.
- The test is simple to use, with no interpretation required.
- Results are easy to read on site within 35 minutes.
- Minimises delays and downtime.
- Regular use increases confidence in your *Legionella* control.
- App reader provides independent record of test.

The Hydrosense Single *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 will always turn red if the test has been performed correctly.



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<b>Bacteria detected</b>	<i>Legionella pneumophila</i> serogroup 1
<b>Detection method</b>	Lateral flow immunochromatographic assay
<b>Lower limit of detection</b>	As low as 100 CFU/L (0.1 CFU/mL)
<b>Specificity</b>	<p>Tested against a wide range of waterborne bacteria, including:</p> <p><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 have been observed at concentrations <math>\leq 10^9</math> CFU/L. <i>Staphylococcus aureus</i> has been observed to cross react with the test at concentrations <math>&gt; 10^8</math> CFU/L, which is higher than found in most water samples.</p> <p><i>Legionella pneumophila</i> serogroups 4 &amp; 7 cross react with the Test at concentrations <math>&gt; 6 \times 10^9</math> CFU/L. The test does not react with any other <i>L. pneumophila</i> serogroups or <i>L. species</i> tested.</p>
<b>Test volume</b>	100 $\mu$ L
<b>Suggested sample volume</b>	250 mL
<b>Sample parameters</b>	Sample should filter in less than 10 minutes.
<b>Biocides</b>	<p>The product has been tested with a range of common biocides and biodispersants used in <i>Legionella</i> control, at their normal maximum operating concentration. Active ingredients tested include: glutaraldehyde, dodecyl-dimethyl-ammonium chloride, isothazoles, dibromonitrilopropionamide, ionic and non-ionic surfactants.</p> <p>The Test gives a false positive if used with polymeric biguanide or THPS. It should not be used to test such systems.</p>
<b>Operator time</b>	5–10 minutes
<b>Test time</b>	25 minutes
<b>Shelf life</b>	At least 6 months from date supplied, when stored at room temperature ( $<30^\circ\text{C}$ ) in original packaging. All test strips are hermetically foil-wrapped with a printed expiry date.