

# 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

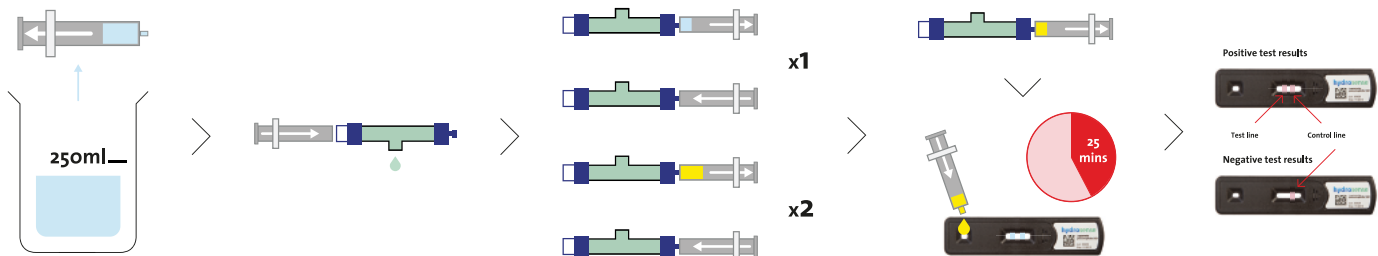


Single (Syringe) *Legionella Field Test*™ product code 100198

## 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.



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

<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, Aeromonas hydrophila subsp. hydrophila, Bacillus subtilis, Burkholderia cepacia, Citrobacter freundii, Citrobacter koseri, Escherichia coli, Enterobacter cloacae, Klebsiella oxytoca, Pseudomonas aeruginosa, Pseudomonas fluorescens, Pseudomonas putida, Pseudomonas stutzeri, Ralstonia pickettii, Raoultella terrigena, Streptococcus pyrogenes, 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.</i> species 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 biocides used in <i>Legionella</i> control, at their normal maximum operating concentration. Active ingredients tested include: glutaraldehyde, dodecyl-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. 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.

