

Legionella Field Test™ Swab Kit

The *Legionella Field Test™* Swab Kit is the most reliable technology from Hydrosense for the rapid detection of *Legionella* bacteria on surfaces from any source of water.

- In-line self-testing of surfaces
- Fast results
- Easy to use
- Ideal for showers, water taps and bathtubs

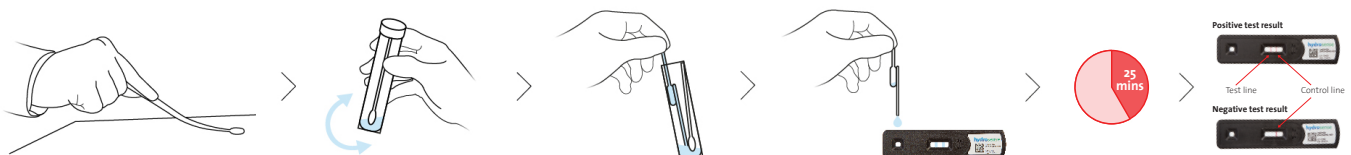


Legionella Field Test™ Swab Kit product code 100144

The test contains all the items required to perform 5 tests.

- This test is designed for testing *Legionella* on any surface of water systems such as hot and cold water domestic systems, showers, whirlpool spas, bathtubs, etc.
- The test allows the concentration of the *Legionella* bacteria to achieve a sensitivity of 200 CFU/L.
- Pre-filled vials 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 25 minutes.
- Minimises delays and downtime.
- Regular use increases confidence in your *Legionella* control.
- App reader provides independent record of test (*Hydrosense Legionella* available on the App store).

The Hydrosense *Legionella Field Test™* Swab Kit 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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Bacteria detected	<i>Legionella pneumophila</i> serogroup 1
Detection method	Lateral flow immunochromatographic assay
Lower limit of detection	As low as 200 CFU/L (0.2 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>.</p> <p>No cross reactions observed at concentrations $\leq 10^9$ CFU/L. <i>Staphylococcus aureus</i> has been observed to cross react with the test at concentrations $> 10^8$ CFU/L, which is higher than found in most water samples.</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
Sample parameters	Resuspension of the bacteria should be done in 2 mL of recovery solution. Shake the tube for at least 20 seconds.
Biocides	<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, 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. It should not be used to test such systems.</p>
Operator time	5 minutes
Test time	25 minutes
Shelf life	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.