

Domestic Legionella Test™

...delivering microbiology results in minutes instead of days

- High sensitivity
- Ideal for testing hot and cold water systems
- Compatible with any outlet
- On site results

The Domestic Legionella 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 the disposable items required to perform 5 tests – including filters and disposable pipettes. These tests are designed to be used in conjunction with the Field filtration kit (part 100127), which includes a hand vacuum pump.

- These tests are optimised for use with **hot and cold water** systems, **showers** etc.
- The test is **simple** to use and **fast**, with no interpretation required.
- Results are **easy to read** and obtained within 35 to 55 minutes.
- 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.

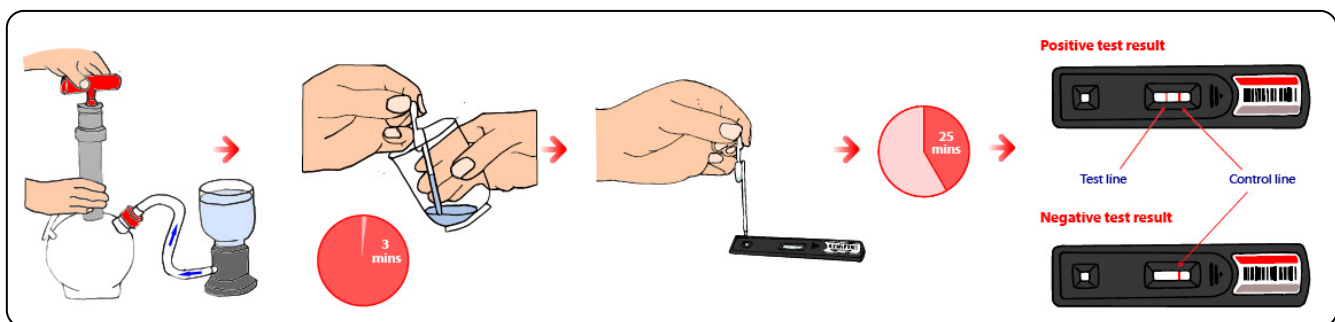


Domestic Legionella Test™ (Product code 100136)
and Field Filtration Kit™ (Product code 100127)

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.

Product details

Bacteria detected	<i>Legionella pneumophila</i> serogroup 1	
Detection method	Lateral flow immunochromatographic assay	
Lower limit of detection	Up to 100 CFU/L	(0.1 CFU/mL)
Specificity	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> . 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. <i>Legionella pneumophila</i> serogroups 4 & 7 cross react with the test at concentrations $> 10^9$ CFU/sample. The test does not react with any other <i>L. pneumophila</i> serogroups or <i>L.</i> species tested.	
Test volume	100 μ L	Exact volume disposable pipette provided
Suggested sample volume	1000 mL	
Sample parameters	Sample should filter in less than 30 minutes.	
Biocides	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, isothazoles, dibromonitrilopropionamide, ionic and non-ionic surfactants. The test gives a false positive if used with polymeric biguanide or THPS.	
Operator time	10 - 30 minutes	
Development time	25 minutes	
Shelf life	18 months from manufacture when stored at room temperature ($< 30^\circ\text{C}$) in original packaging	



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