

# Industrial Legionella Test™

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...delivering microbiology results in minutes instead of days

- Fast results
- High sensitivity
- In-line sampling
- Ideal for industrial samples

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

The test kit contains all the items required to perform 5 tests – including filters, recovery buffer, collection vessel and sample point.

- These tests are optimised for use with **industrial** water systems, **cooling towers** and whirlpool **spas**.
- This filtration step needs **no pumping**, just connect the sample point to the water system and use the system pressure to drive the filtration.
- Single use **hollow fibre filtration modules**.
- Pre-filled syringe containing recovery buffer, no need to measure or dilute solutions.
- The test is **simple to use** and **fast**, with no interpretation required.
- Results are **easy to read** and obtained within 30 to 35 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.



Industrial Legionella Test™  
Product code 100182

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** *Legionella pneumophila* 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 *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*. No cross reactions observed at concentrations  $\leq 10^9$  CFU/L. *Staphylococcus aureus* has been observed to cross react with the test at concentrations  $> 10^8$  CFU/L. *Legionella pneumophila* serogroups 4 & 7 cross react with the test at concentrations  $> 10^9$  CFU/sample. The test does not react with any other *L. pneumophila* serogroups or *L.* species tested.

**Test volume** 100  $\mu$ L

**Suggested sample volume** 250 mL

**Sample parameters** Sample should filter in less than 10 minutes.

### Biocides

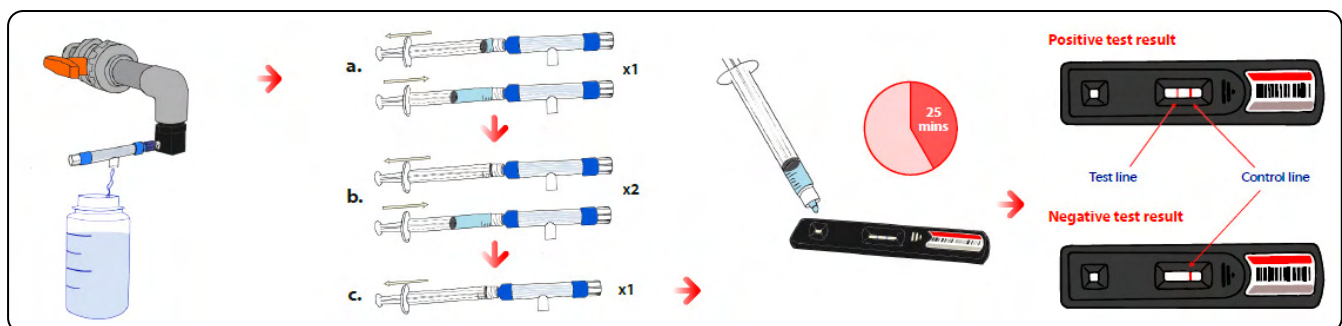
The product has been tested with a range of common biocides and biocidal dispersants used in *Legionella* control, at their normal maximum operating concentration. Active ingredients tested include: glutaraldehyde, didecyl-dimethyl-ammonium chloride, isothiazoles, dibromonitripropionamide, ionic and non-ionic surfactants. The test gives a false positive if used with polymeric biguanide or THPS.

**Operator time** 5 - 10 minutes

**Development time** 25 minutes

**Sample point** Supplied with both  $\frac{1}{2}$ " and  $\frac{3}{4}$ " female threaded fittings, additional sample points are available (part no. 100171)

**Shelf life** 18 months from manufacture when stored at room temperature ( $< 30^{\circ}\text{C}$ ) in original packaging.



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