

Legionella Biofilm Test™

...delivering microbiology results in minutes instead of days

- Pinpoint contamination
- Find *Legionella* in their breeding ground
- Demonstrate system cleanliness
- Fast, on-site results

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

The test kit contains all the items required to perform 5 tests – including swabs, recovery buffer, and re-suspension tubes.

- **Pinpoint the contamination** in a system to allow targeted cleaning.
- **Demonstrate cleanliness** of an area e.g. after cleaning cooling tower pack.
- A clean water sample does not equate to a clean system: proliferation of ***Legionella* is greater in a biofilm than in water.**
- Highly selective – can detect *Legionella* even in samples with very high background flora.
- **Simple** to use and **fast**.
- Results are **easy to read** and obtained within 25 minutes.
- The test allows **immediate understanding** and response to contaminated systems.
- Use can **reduce risk** of outbreaks and litigation.
- Regular use will **increase confidence** in your *Legionella* control.



Legionella Biofilm Test™
Product code 100144

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.

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Product details

Bacteria detected *Legionella pneumophila* serogroup 1

Detection method Lateral flow immunochromatographic assay

Lower limit of detection Up to 200 CFU per area swabbed

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 μ L Exact volume disposable pipette provided

Suggested sample area 10 cm²

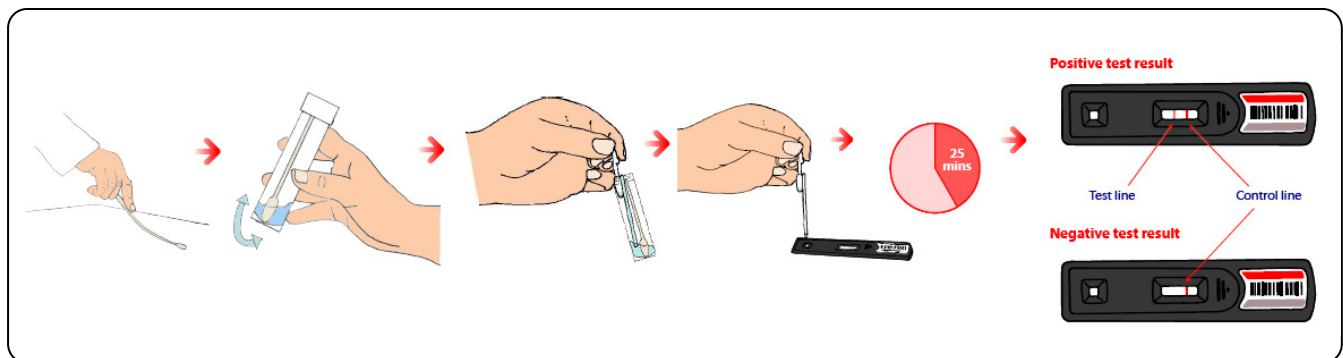
Biocides

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

Operator time 1-2 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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