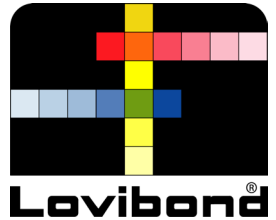


Lovibond® Water Testing

Tintometer® Group



Direct Legionella Field Test™ Kit

This kit is designed to test for Legionella in risk areas identified by CDC* such as:

- Domestic and industrial hot and cold water systems.
- Cooling towers.
- Decorative fountains, hot tubs and pools.
- Sinks and showers.
- Mistifiers, sprinklers, air washers, humidifiers and others.



Direct Legionella Field Test™
product code 56B006001

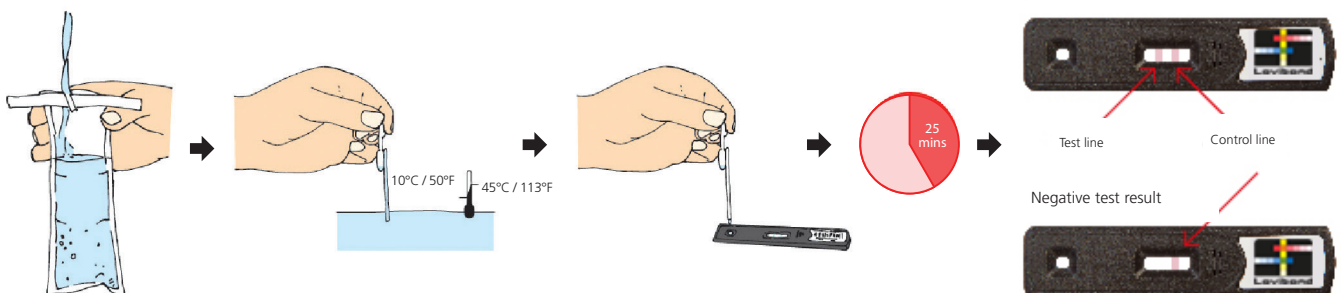
*The Centers for Disease Control and Prevention (CDC) is a federal agency that conducts and supports health promotion, prevention and preparedness activities in the United States, with the aim of improving overall public health.

The test kit contains everything required to perform 10 tests — including sample collection containers and disposable pipettes.

- Test any water system for Legionella pneumophila serogroup 1 (LpSG1), including hot and cold water systems and industrial and domestic water systems.
- The sensitivity of the test is 100,000CFU/L
- The test detects Viable-But-Non-Culturable Bacteria and Legionella SG1 in all stages of its life-cycle.
- No need to measure or dilute solutions.
- Provides straightforward results, on site, within 25–35 minutes.
- The test is simple to use, no interpretation required.
- The test facilitates immediate understanding and response to system water conditions and safety.
- The test helps minimise delays and downtime and reduces the risk of outbreaks, fines and litigation.
- Regular use increases confidence in Legionella controls.
- The smartphone App reader provides independent records of results (download the App for free from the App store or Play Store).

The Lovibond® Legionella Field Test™ uses Lateral Flow Immunochromatographic Assay (LFICA) technology to detect the presence of cell surface antigens from Legionella bacteria. It uses Legionella antibodies, tagged with red nanoparticles, which bind to any bacteria found in the sample and make them visible on a line on the device. The test works just like a pregnancy test - one line indicates a negative result and two lines indicate a positive result.

Alternative versions of the test for specialist applications are also available.



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Direct Legionella Field Test™ Kit Product Details

Bacteria detected	<i>Legionella pneumophila</i> serogroup 1													
Detection method	Lateral flow immunochromatographic assay													
Limit of detection	100,000 CFU/L (100 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> <table border="1"><thead><tr><th>Organism</th><th>≥cfu/mL</th></tr></thead><tbody><tr><td>L.p Sg-2,3,8,11,13,14</td><td>1.00E+08</td></tr><tr><td>L.p. Sg-4,5,6,7,9,10,15</td><td>1.00E+07</td></tr><tr><td>L.p. Sg-12</td><td>8.00E+06</td></tr><tr><td>S.aureus</td><td>2.00E+08</td></tr></tbody></table> <p>The Lovibond® <i>Legionella pneumophila</i> SG1 test has been shown to produce weak positive results with other <i>legionella pneumophila</i> serogroups at the cfu/mL stated in the above table.</p>		Organism	≥cfu/mL	L.p Sg-2,3,8,11,13,14	1.00E+08	L.p. Sg-4,5,6,7,9,10,15	1.00E+07	L.p. Sg-12	8.00E+06	S.aureus	2.00E+08		
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L.p. Sg-4,5,6,7,9,10,15	1.00E+07													
L.p. Sg-12	8.00E+06													
S.aureus	2.00E+08													
Test volume	100 µL Exact volume disposable pipette provided													
Sample parameters	<table><tr><td>pH range</td><td>5–10</td></tr><tr><td>Sample temperature range</td><td>15–45 °C (59–113 °F)</td></tr><tr><td>Environmental operating range 1</td><td>5–40 °C (59–104 °F)</td></tr><tr><td>Free chlorine concentration</td><td><5ppm</td></tr><tr><td>Total Alkalinity</td><td><1000 ppm</td></tr><tr><td>Total Hardness</td><td><1000 ppm</td></tr></table>		pH range	5–10	Sample temperature range	15–45 °C (59–113 °F)	Environmental operating range 1	5–40 °C (59–104 °F)	Free chlorine concentration	<5ppm	Total Alkalinity	<1000 ppm	Total Hardness	<1000 ppm
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Biocides	<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, didecyl-dimethyl-ammonium chloride, isothiazoles, dibromonitrolopropionamide, 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	<2 minutes													
Test time	25 minutes													
Shelf life	18 months from date of manufacture, when stored at room temperature (<30°C) in original packaging. All test strips are hermetically foil-wrapped and with a printed expiry date.													