

Industrial Legionella Field Test™ Kit

Bacteria detected	Legionella pneumophila serogroup 1											
Detection method	Lateral flow immunochromatographic assay											
Limit of detection	100 CFU/L (0.1 CFU/mL)											
Specificity	<p>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.</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 Hydrosense legionella pneumophila Sg-1 test has been shown to produce weak positive results with other legionella pneumophila 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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Test volume	100 µL											
Suggested sample volume	250 mL											
Sample parameters	<p>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</p> <p>Sample should filter in less than 10 minutes.</p>											
Biocides	<p>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, isothiazoles, dibromonitripropionamide, ionic and non-ionic surfactants.</p> <p>The test gives a false positive if used with systems treated with polymeric biguanide or THPS. It should not be used to test such systems.</p>											
Operator time	5–10 minutes											
Test time	25 minutes											
Sample point fitting	<p>Supplied with both ½" and ¾" female threaded fittings. Additional sample points are available (part no. 100171).</p>											
Shelf life	<p>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.</p>											