



## Single (Syringe) Legionella Field Test™ Kit

Bacteria detected	Legionella pneumophila serogroup 1										
Detection method	Lateral flow immunochromatographic assay										
Lower limit of detection	As low as 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> <p>No cross reactions have been observed at concentrations <math>\leq 10^9</math> CFU/L. Staphylococcus aureus has been observed to cross-react with the test at concentrations <math>&gt; 10^8</math> CFU/L, which is higher than found in most water samples.</p> <table border="1"> <thead> <tr> <th>Organism</th> <th><math>\geq</math>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	$\geq$ 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 $\mu$ L										
Suggested sample volume	250 mL										
Sample parameters	Sample should filter in less than 10 minutes.										
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, dodecyl-dimethyl-ammonium chloride, isothiazoles, dibromonitripropionamide, 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	5–10 minutes										
Test time	25 minutes										
Shelf life	18 months from date of manufacture, when stored at room temperature ( $<30^\circ\text{C}$ ) in original packaging. All test strips are hermetically foil-wrapped and with a printed expiry date.										