

**FIRST – ONLY – RAPID
TESTING KIT FOR
LEGIONELLA**

LEGIOTEST

ON - SITE TEST KIT FOR LEGIONELLA

LEGIOTEST

Watch Water® has developed a new **On-Site-Testing** method for detecting deadly Legionella bacteria in water and biofilm. **Single Syringe LegioTest** is the **First-Only-Rapid** testing kit for **Legionella bacteria**, that can be fully conducted On-Site, and requires no training or experience to carry out the test.

LegioTest is the only On-Site Single Syringe Legionella test that can be used to Mitigate risk under any difficult circumstances. Not only does the simple test and provides accurate results in only **25 minutes**



TESTING LEGIONELLA

Normally test for legionella takes minimum **7 to 14** days. "And all Lab's are already under enough stress as it is.

It's a worldwide problem and it can be solved only with **Watch Water® Rapid Test = LegioTest** and **Legio-Oxy®** A New Rapid way to kill Legionella.

LegioTest significantly reduces the time required for individuals to be On-Site, it can be used in isolation by anyone, with the help of Watch Water branches around the world.

LEGIO - OXY®

Legio-Oxy® is based on **Advanced Catalytic Oxidation** which provides **three WQA/NSF** certified components. All **3-in-1** formulation as powder that supports the complete eradication of **Legionella just in half an hour of contact time** in any water system, while also preventing its regrowth.

This novel **Legio-Oxy®** is based on WQA/NSF certified products for Drinking Water application.

LEGIOTEST TO REOPEN

All buildings starts to reopen after their plumbing systems here sat dormant or underused for months, that includes every person is at risk of developing "**Legionnaires' disease**", which is a respiratory illness with symptoms similar to **COVID-19 and Pneumonia**. **Legionella-Test (LegioTest)** is recommended before buildings are reopened following a shutdown to minimize the risk of **Legionnaires disease** and other disease associated with water.



Legionella Test using **Watch Water® LegioTest** with very simple on-site test helps to reopen their ideal building in order to protect the **health and safety of millions**.



ON - SITE TEST KIT FOR LEGIONELLA

LegioTest 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

*Center for Disease Control and Prevention



LEGIOTEST KIT CONTAINS

All required equipment to perform **1 test**

- Test any water system for Legionella pneumophila serogroup 1 (LpSG1), including hot and cold water systems and industrial and domestic water systems.
- With filtration step, the sensitivity of the water test is 100 CFU/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**
- 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.

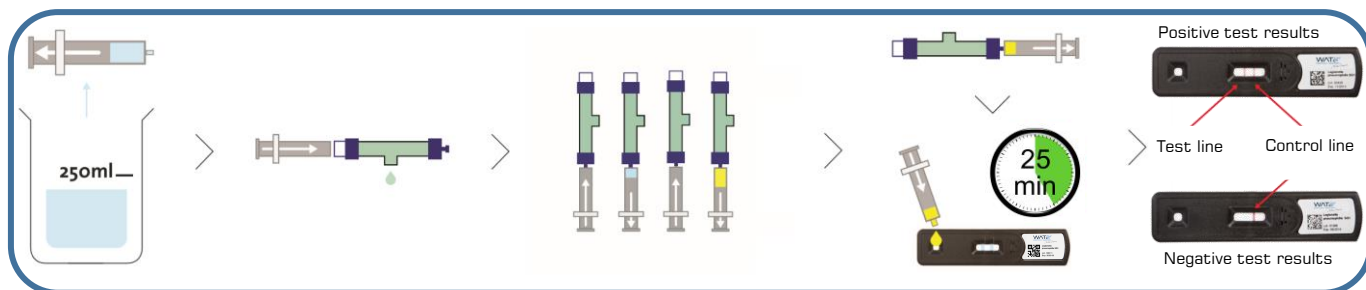


The **Watch Water[®] LegioTest** uses **Lateral Flow Immunochromatographic Assay (LFICA)** technology to detect the presence of cell surface antigens from Legionella bacteria.

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.





ON-SITE TEST KIT FOR LEGIONELLA

Bacteria detected Legionella pneumophila serogroup 1

Detection method Lateral flow immunochromatographic assay

Limit of detection As low as 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 have been 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, which is higher than found in most water samples.

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

The Watch Water LegioTest test has been shown to produce weak positive results with other legionella pneumophila serogroups at the cfu/mL stated in the above table

Test volume 100 μ 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 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 or THPS. It should not be used to test such systems.

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.

 Beware of fake products 

Disclaimer: The information and recommendation in this publication are true and based on data we believe to be reliable. They are offered in good faith but do not imply any warranty, liability or performance guarantee. Specifications are subject to change without notice. Watch Water[®] will not be liable under any circumstance for consequential or incidental damages, including but not limited to, lost profits resulting from the use of our products.