

# Domestic Water Systems

## LEGIONELLA TESTING FOR DOMESTIC WATER SYSTEMS



### Facts

Domestic water systems can be divided into two types: a water storage tank, and mains water. The former carries higher risks. Water sitting in a cold-water tank can cause a build-up of biofilm on the tank walls. If Legionella is left to breed in biofilms, then it can infect and re-infect showers and taps which are fed from the tank.

Showers are the main source of Legionella dispersal in domestic water systems. If showers are not being used regularly e.g. between tenancies or holidays, this can present a high-risk scenario. Bacteria can grow in the biofilms which form when the shower is not being used, and the shower itself is a perfect means of dispersal of the aerosols that spread Legionella bacteria.

Other potential Legionella sources include domestic spa pools within or in close proximity to the property, domestic swimming pools, garden hose pipes, pressure washing devices, and glasshouse watering systems and humidifiers.

### Recommended Test Kit



Single Test Kit

### How to manage the risk of Legionella in Domestic Water Systems

Domestic water systems such as showerheads should be cleaned between each occupancy. Microbiologists also recommend that homeowners returning from holiday 'flush out' showers for several minutes. 'Hold your breath, turn the shower on and leave the bathroom. And don't go back in for a while as contaminated droplets can remain airborne for up to 30 minutes.' However, it is important to understand that the whole water system can harbour Legionella and that while the shower head is the main source of dispersal the Legionella can grow anywhere in the system, particularly in cold water tanks. Still, even if you take precautions, how can you be sure that your water system is actually Legionella free and is not posing a risk to you, your family or your guests?

The easiest way to get a peace of mind is to use the Single Legionella test. The test is the only Legionella test in the world that can be fully conducted on-site and does not require any in-depth training or experience. It works just like a pregnancy test- you put the water sample on a test and wait 25 minutes to receive the result. One line indicates that Legionella has not been detected and two lines mean that Legionella is present in your water system. If the problem is identified you are advised to contact water management professional who will be able to disinfect your water system and ensure that you, your family and your guests are safe.

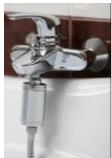
Remember that Legionnaires' disease is now killing ~1 in every 10 people who are infected.

We have several "Point of Use" and "Point of Entry" solutions to prevent you being infected by the Legionella bacterium.

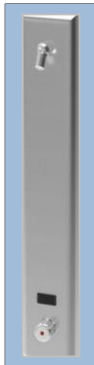
#### "Point of Use" solutions



Hand shower with integrated Legionella filter



Inline/Tap Legionella filter



Stainless Steel shower panel with integrated self-cleaning Legionella filter

#### "Point of Entry" solution



Innovation Award

Self-cleaning Legionella filter

**LEGIONELLA – DON'T RISK IT. TEST IT.**