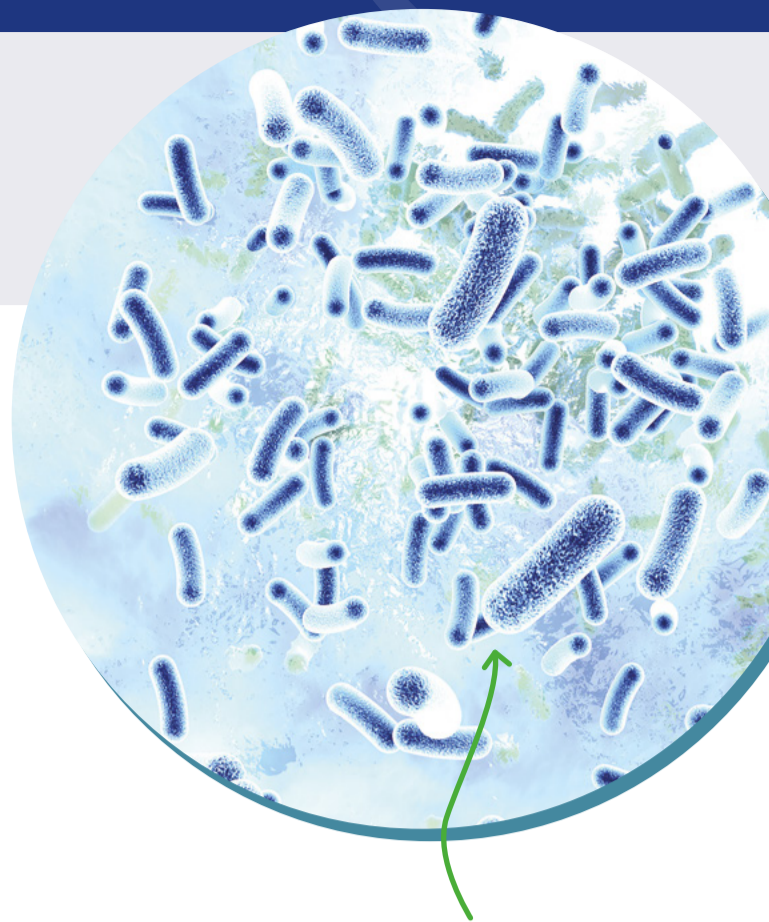


TOP TIPS

FOR REDUCING LEGIONELLA GROWTH IN YOUR BUSINESS

hydrosense®

Reduce Legionnaires' disease risk and minimise negative business impacts such as shutdowns, bad press and fines with our top tips for reducing Legionella in business and industrial settings.



LEGIONELLA BACTERIA CAN TRAVEL 50 TIMES ITS OWN LENGTH PER SECOND¹ AND DOUBLES EVERY 24 HOURS².



1 TRAIN AND APPOINT A RESPONSIBLE PERSON

UK Legionella guidance (ACOP L8) states that a lack of training is one of the biggest factors contributing to outbreaks of Legionnaires' disease and has made it clear that training should be a part of the precautions taken by managers to keep themselves, their staff and their customers safe.



2 CREATE A SCHEMATIC OF YOUR SYSTEM

This schematic will allow the trained responsible person or a consultant to assess and identify risk areas in your systems where further action or increased monitoring may be necessary.



3 MAINTAIN ACCURATE RECORDS

Keeping good records of control measures and testing (temp checks, dosing regimes, test frequency etc).

LEGIONELLA CAN TRAVEL SEVERAL KILOMETRES FROM ITS SOURCE - COOLING TOWERS ARE A MAJOR RISK³.



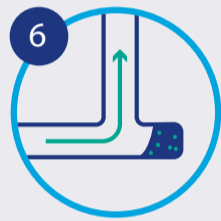
4 IMPLEMENT AND MAINTAIN WATER TEMPERATURE CONTROLS

Ensure your water is not within the range of 20 to 45 degrees Celsius. If there are areas in the system where maintaining high/ low temperatures is impossible, dosing of the system should be considered.



5 KEEP IT CLEAN, KEEP IT FUNCTIONAL

Regularly clean the water system and carry out frequent maintenance checks on equipment such as filters or pumps. Don't forget to check and remove any build-up of sludge, rust or slime from storage tanks.



6 REMOVE DEAD LEGS AND PREVENT STAGNATION

Areas of stagnation, such as dead legs and outlets which are not in regular use, can promote the growth of biofilm and Legionella growth. These areas should be removed where possible or flushed at regular intervals.

FIND OUT MORE ABOUT LEGIONELLA TESTING AT [HTTPS://HYDROSENSE-LEGIONELLA.COM/LEGIONELLA-TESTING/](https://hydrosense-legionella.com/legionella-testing/)



7 TREAT YOUR WATER SYSTEM

Water systems can be treated with a range of biocides, copper and silver ionisation, UV and Ultrasound technology. Treating and disinfecting your water system will help control free flowing Legionella and help to minimise growth of biofilm, where this bacteria can hide.



8 CHOOSE YOUR PIPE MATERIALS WISELY

Corrosion and biofilm formation is faster on some pipe materials (e.g. iron pipes) than on other materials (e.g. PVC). Avoid using materials that could encourage growth of Legionella.



9 FILTER YOUR WATER

Filtration of water entering a system can remove particulates and organic matter, reducing the rates of biofilm formation and Legionella growth. Any filter will need checking, cleaning or replacing regularly to ensure efficacy.



10 TEST FREQUENTLY

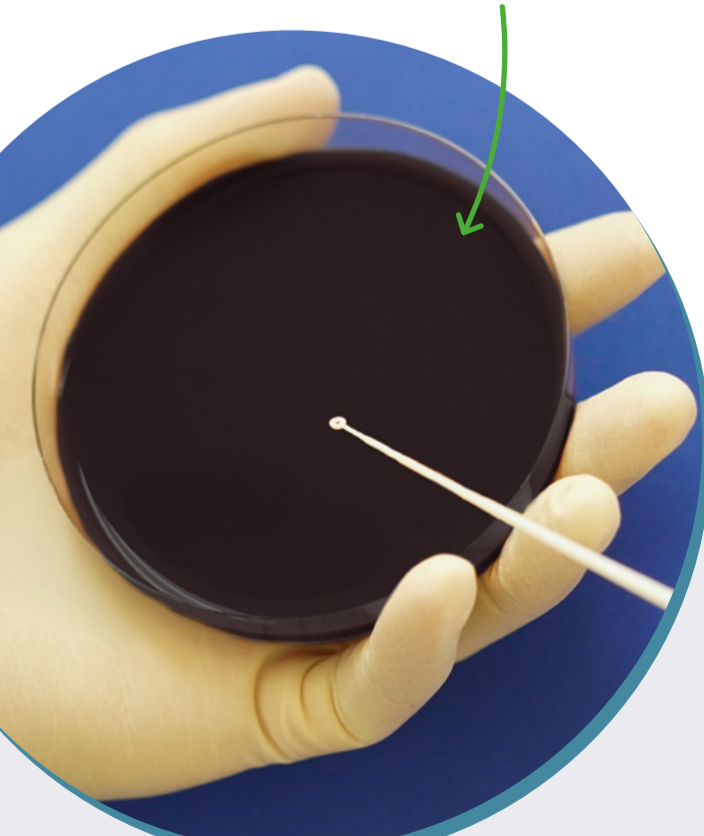
Test frequency should meet minimum requirements in your area. If your water system is aging or there are more vulnerable people in your facility, greater testing frequency could provide increased protection.



11 TEST FOR VBNC LEGIONELLA

Viable But Non Culturable (VBNC) Legionella have been proven to have the ability to infect human cells and can regain their reproductive abilities when conditions in a system improve, or when in contact with amoebae (found in biofilm or supply water) - resulting in rapid reinfection of water systems. Unfortunately, VBNC Legionella cannot be detected by the traditional laboratory culture testing method so it is important to use tests that can detect VBNC, like Hydrosense, on top of required lab culture tests.

VBNC LEGIONELLA WILL NEVER BE DETECTED BY TRADITIONAL LAB CULTURE TESTING METHODS⁵



12 MONITOR EXTERNAL INFLUENCES

Legionella bacteria can enter water as a result of construction, changes in municipal water quality and water main breaks. Additional control measures and checks may be required when these occur.



13 RECORD, REPORT, RESPOND

Keep detailed records of control measures and testing including, temperature checks, dosing regimes, test frequencies and results. This will support timely alerts, remedial action and proof of risk management.

Hydrosense PRO

World's first on-site ultra-rapid Legionella test to detect all *Legionella pneumophila* serogroups 1-15



Hydrosense PRO Ultra Legionella Swab test



Hydrosense PRO Ultra Legionella Water test



Hydrosense PRO Ultra Legionella Water Industrial Kit

Sources: ¹<https://bit.ly/3v8eOfy> ²<https://bit.ly/49Pw5fU> ³<https://bit.ly/49C3D0B> ⁴<https://bit.ly/3v7Uqnu> ⁵<https://bit.ly/2ksHwBs>