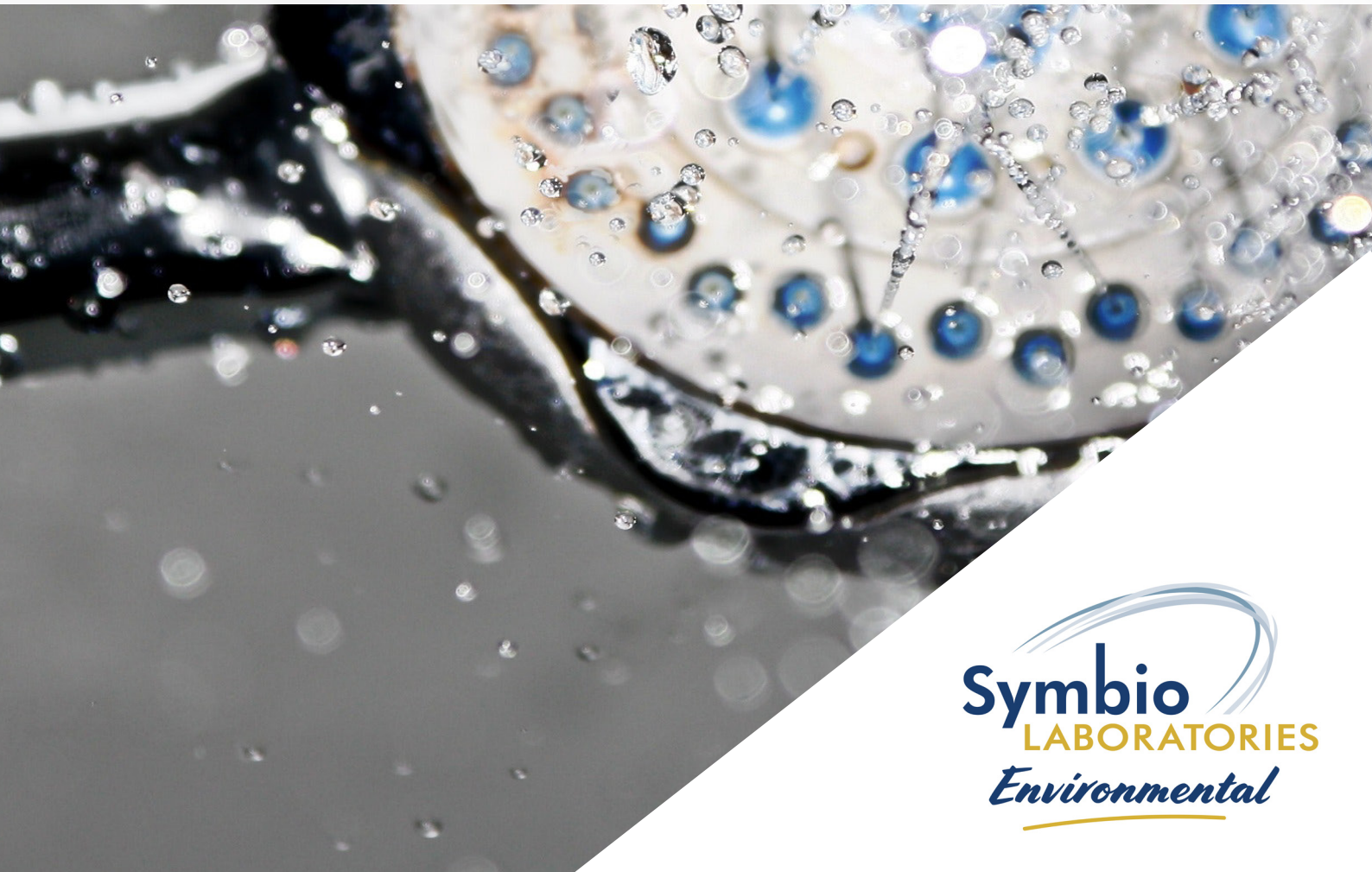


Legionella

Risk Management



*Helping your business manage the
risk of Legionnaires' Disease.*



Symbio
LABORATORIES
Environmental



Legionella bacteria, found naturally in soils and freshwater environments, such as lakes and streams, poses a small threat in natural environments.

When given the opportunity to enter a man-made water system, Legionella colonies can begin to amplify and aerosolise. These contaminated water droplets become airborne, risking individuals who breathe it in, to Legionnaires' Disease.

Water Sources Susceptible To Legionella Contamination

Legionella bacteria is able to grow in warm, stagnant water, where temperatures range from 20-50°C, with optimum growth occurring at a temperature of 37°C.

Most commonly Legionella bacteria can be found in the **plumbing systems of large buildings, such as hotels and hospitals**. Other sources where Legionella bacteria is commonly found include:

- Hotwater systems
- Cooling Towers
- Swimming Pools
- Spas
- Shower Heads & Sink Faucets
- Decorative Fountains & Water Features
- Nebulisers & Humidifiers
- Air Conditioning Units

Legionnaires' Disease

Legionnaires' Disease is not contagious but is a potentially fatal form of pneumonia that typically affects men more than women.

Individuals that are most susceptible to Legionnaires' Disease, include those that are:

- over the age of 45
- heavy drinkers or smokers
- elderly and infirm
- suffering from chronic respiratory or kidney disease
- affected by impaired immune systems, eg. transplant patients

Symbio's Capabilities

Symbio Laboratories are NATA accredited for the analysis of Legionella bacteria with a limit of detection as low as 1 cfu/mL.

Our laboratory is equipped to deliver a fast turnaround time for Legionella bacteria testing with preliminary reporting on day four of potential positive:

- No Detection - Final Legionella bacteria results available at day seven
- Positive Detection - Legionella bacteria results at day seven using MALDI-TOF technology

The Symbio Difference

Symbio Laboratories is an Australian owned and operated provider of analytical laboratory services with over 20 years of experience.

Quality Systems, Accreditations & Approvals

Symbio Laboratories' technical knowledge is backed by accreditations, approvals and comprehensive quality systems, including NATA accreditation, ISO/IEC/17025, DAWR/AQIS approved testing provider for export, APVMA licensed, and participation in internal and external proficiency programs.

Expert Advice, Technical & Testing Services.

The Symbio Laboratories team includes experienced professionals with direct industry experience, supported by fully equipped NATA accredited laboratories across Australia, dedicated IT support, expert customer service team, and an online eResults tool.

Feel confident in partnering with a highly trusted and experienced national laboratory.

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