



SCIENCE & ENGINEERING

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Legionella Pneumophila

RPC is pleased to offer testing for *Legionella Pneumophila* in potable and non-potable water samples from our new laboratory in the Moncton region.

Legionella Pneumophila Testing

Legionella represent a genus of bacteria present in the environment. *Legionella* is commonly found in both natural bodies of water (ponds, lakes, streams) and in man-made water systems such as air conditioners, cooling towers, whirlpools/spas and decorative fountains. There are over 50 known species of *Legionella* with *Legionella Pneumophila* (LP) being the primary human pathogen known to cause Legionnaire's Disease. Testing strategies for routine LP monitoring are an essential way to monitor proliferation of the bacteria and reduce risk of human contraction.

LP testing at RPC is employed via the IDEXX Legiolert testing platform. This testing platform utilizes a bacterial enzyme detection technology that is sensitive and specific for LP detection. The test platform provides accurate confirmation of LP in just 7 days.

Reporting

Our laboratory is offering tests for both potable and non-potable water samples with the following reporting levels:

Potable Water	≥ 1 LP organism / 100ml (if 100ml sample provided) ≥ 10 LP organisms / 100ml (if 10ml sample provided)
<i>Potable examples: Drinking water, drinking fountains, bathroom faucets/sinks, showers, eyewash stations, bath taps and ice machines</i>	
Non-potable Water	≥ 100 organism / 100ml (10ml sample required)
<i>Non-potable examples: Cooling towers, evaporative condensers, chilled-water return tanks, air conditioners, whirlpools, spas, pools, baths, decorative fountains, car washes, untreated waters (surface water) and rainwater harvest storage tanks</i>	

Sampling Requirements

120ml or 250ml sterile plastic bottle (with sodium thiosulfate preservative)

Accreditation

RPC's Analytical Services Laboratories hold ISO 17025 accreditation with the Standards Council of Canada (SCC) and are accredited for specific environmental tests as listed in the scope of accreditation approved by the SCC. Visit the quality section of our website to view RPC's complete scope. RPC's Quality Management System is also certified to the ISO 9001:2015 standard. The IDEXX LP test method is a previously validated platform. RPC scientists have verified method performance and are ISO 17025 accredited for LP testing.

Contact

For more information about *Legionella Pneumophila* Testing or to speak with a microbiology specialist, please call RPC's Moncton office at (506) 855-6472.