

# ETI brings worlds' first on-site, qPCR testing for dangerous Legionella bacteria to its partner network.

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ETI (formerly Eastern Technologies Inc.) and its team of experienced water treatment professionals and consultants, have partnered with Spartan Bioscience Inc. a leading biotechnology company to bring immediate, on-site DNA legionella detection technology to their distribution partner network.

The team at ETI is always exploring innovative technologies in water management and water treatment. The US Centers for Disease Control and Prevention reported 550% increase in Legionnaires' cases since 2000. (1) This is in part due to reliance on lab-based culture tests that take 10-14 days, and are inaccurate due to shipping effects, while Legionella bacteria can grow to outbreak levels in 7 days.

The Spartan CUBE is the worlds first on-site DNA Legionella detection tool. Spartan is widely recognized for their precision medicine diagnostic solutions that they have since applied to Environmental Testing, specifically Legionella detection in 2016.

Through this strategic partnership, ETI members have access to Spartan technology and expert support to bring a new approach to detecting Legionella contamination to their valued customers. With Spartan's test, ETI partners will be able to detect Legionella contamination in real-time, on-site and provide immediate remediation for their clients, avoiding the two-week delay of traditional testing methods.

"Our organization has been following Spartan's technology and molecular legionella detection for some time now, and we are very excited to bring this innovative, proven solution to our members through a strategic partnership with Spartan," says Jim Booth, ETI's Director of Sales and Marketing. "Spartan's on-site DNA testing platform is unmatched. We're excited to offer our partners a complete and rapid Legionella testing solution."

ETI has approximately 200 water treatment members representing over 5,000 end user accounts that will now have access to this advanced testing.

## About ETI

Established in southeastern Pennsylvania in 1986, ETI (formerly Eastern Technologies, Inc.) and our team of experienced water treatment professionals have specialized in assisting regional water treatment companies achieve their goals. We provide a complete line of chemical formulations for boiler water, cooling water, potable water, process waters, fuel conditioning, and waste water treatments.

## About Spartan Bioscience

Spartan Bioscience is the leader in on-demand DNA testing. (2) The Spartan Cube, the world's smallest DNA testing platform, enables unprecedented portability and convenience in applications such as infectious disease, pharmacogenetics, and food and water safety testing. Spartan created the first on-site Legionella DNA test to prevent the risk of Legionnaires' disease outbreaks in buildings. It consists of the Spartan Cube and a single-use disposable test cartridge. Spartan's Legionella test is validated according to ISO 12869.(3) For more information, visit <https://environmental.spartanbio.com/> .

## Resources

1. Centers for Disease Control and Prevention (CDC). (2018). Legionnaires' disease history and patterns. April 30.
2. Ahmed S et al. (2019). *Journal of Water and Health*. 17(2): 237–253.
3. Roberts JD et al. (2012). *Lancet*. 379:1705–11.