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PATHOGENS  
LABORATORY**<sup>®</sup>  
THE LEGIONELLA EXPERTS<sup>®</sup>

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## **Legionella Controlled with Monochloramine in Hospital Hot Water System, Says First US Study**

Evaluation of A New Monochloramine Generation System for Controlling Legionella In Building Hot Water Systems *is the first field trial and published study in the US to evaluate the efficacy of a monochloramine generation system to control Legionella in a hospital hot water distribution system. Prior to this technology, monochloramine had only been used at the municipal level in cold water.*

October 27, 2014 (Pittsburgh)—*Legionella* is effectively controlled with a new onsite monochloramine generation system in a hospital hot water system, says a study in November's *Infection Control and Hospital Epidemiology* available online.

[Evaluation of A New Monochloramine Generation System for Controlling Legionella in Building Hot Water Systems](#) is the first field trial and published study in the US to evaluate the efficacy of a monochloramine generation system to control *Legionella* in a hospital hot water distribution system. Prior to this technology, monochloramine had been only used at the municipal level in cold water.

According to Janet E. Stout, PhD, director of Special Pathogens Laboratory, who led the team of researchers that conducted the 29-month study, "This prospective collaboration provides important objective scientific evidence that demonstrates that onsite generation of monochloramine was effective and that treating only the hot water prevented further cases of Legionnaires' disease. "

Researchers installed the system (Sanikill, a product of Sanipur [Italy]) at a Pittsburgh 459-bed hospital. Early results, publically reported at the Association of Water Technologies annual conference in 2012, reported a rapid and significant reduction of *Legionella* within the first week of application. Throughout the study, *Legionella* was controlled. There was no significant increase in microbial population and none of the negative effects associated with monochloramine use in municipal cold water systems.

"Monochloramine is a promising new technology and viable alternative to historic disinfection methods, especially chlorine, " says Dr. Stout.

[Read more.](#)

### **Special Pathogens Laboratory**

[Special Pathogens Laboratory](#), The Legionella Experts<sup>®</sup>, specializes in the detection, control, and remediation of *Legionella* and other waterborne pathogens in building and utility water systems. Internationally recognized for clinical and environmental expertise in Legionnaires' disease, SPL provides laboratory and consulting services to public, private and commercial sectors, especially water treatment, healthcare, hospitality and real estate industries. SPL's laboratory is A2LA and NELAP accredited, and CDC-ELITE and PHA certified for proficiency in *Legionella* testing.

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