



### Phigenics Receives Patents for *Legionella* Test

Phigenics, LLC received notice of allowance from the U.S. Patent and Trademark Office for the third in a series of three patents. The three new patents cover compositions and methods of use for the Phigenics Validation Test® viable *Legionella* and Total Heterotrophic Aerobic Bacteria field analytical system (the PVT).

The PVT field analytical system provides more accurate results much faster and more conveniently compared to any other analytical method for viable *Legionella* and total heterotrophic aerobic bacteria.

Results are more accurate because PVT eliminates the need to ship water samples to an analytical laboratory. During transit to an analytical laboratory, changes occur in the microbial composition and chemistry of water samples. Therefore, results from analyses of water samples that are many hours or days removed from the water systems from which they were taken are unpredictably different compared to results from analyses done immediately at the site; these differences can be very significant. Inaccurate and misleading information about the water system can result from analyses of water samples that have been aged during transit to a laboratory. PVT entirely eliminates these inaccuracies.

All PVT results are delivered faster than results from other methods because water sample transit time is eliminated and because of Phigenics, LLC proprietary techniques to quickly detect and enumerate *Legionella* on the PVT field sampler.

All PVT results are provided more conveniently compared to other methods because of proprietary innovations in the use of field sample reagents, treatment protocols, data reporting and report archiving. Additionally, Phigenics, LLC offers enhanced data analysis through its proprietary phiMetrics© web-enabled data management service.

Phigenics, LLC is an ELITE (Environmental *Legionella* Isolation Techniques Evaluation)-certified proficient laboratory. Results using the new PVT method have passed the CDC ELITE proficiency test in every panel and for every

sample analyzed since the beginning of the program, a score of 100% correct.

The ELITE program administered by the Centers for Disease Control and Prevention, is a proficiency certification that provides a standardized means to quantitatively assess performance of isolation, detection and enumeration technique. Test samples from CDC are lyophilized (freeze-dried) preparations that may contain *Legionella* and other microorganisms commonly found in water. The ELITE program does not assess the effect of variations due to the aging of water samples because the standardized test panels sent to laboratories are stabilized by freeze-drying.

Phigenics, LLC is an EPA-certified laboratory for standardized Total Heterotrophic Aerobic Bacteria methods. Total counts are useful for assessing the general microbial quality (not safety) of water samples and these data are increasingly used in building water system management. Water sample transit to the laboratory ages the sample and spoils results in many cases. For many of the field methods in common use, mishandling and misinterpretation of results is very common. The PVT field analytical system eliminates this variation and, thereby, returns total heterotrophic aerobic bacteria results which are much more accurate and reliable compared to other methods. For further information call (630) 717-7546 or email [info@phigenics.com](mailto:info@phigenics.com).

### BWA Water Additives Launches New Line of Antiscalants

BWA Water Additives launched a new set of antiscalants specifically designed for their environmentally-conscious customers.

Belclene 800 and 810: The Belclene 800 family of products is “the most environmentally friendly, highly effective calcium carbonate antiscalant” in the industry. Designed for cooling and process waters, Belclene 800 and 810 offer the same world class performance customers have come to expect, with the lowest environmental impact in the industry (based on biodegradability and phosphorus content).

Belclene 810 is 45% more biodegradable than the next leading inhibitor. Moreover, unlike its next closest competitor, Belclene 810 delivers both better scale inhibition and twice the chlorine stability. Belclene 810's biodegradability, coupled with its superior calcium carbonate scale inhibition and chlorine stability, make it an ideal component of any green cooling water treatment formulation.

**Bellacide 303:** Bellacide 303 is a new addition to the line of industrial water treatment biocides, built off the same platform as the highly successful Bellacide 350 and 350.

BWA's Bellacide 303 is one of several highly effective biocides designed for customers who seek a high-performance product for their cooling and process water applications.

Unlike other biocides on the market, Bellacide 303 is a pre-synergized biocide that combines algacidal and biodispersant properties with incomparable synergy with halogens, all for an end-use cost that is as much as 33% less.

**BWA WaterCycle:** In first quarter 2011, BWA introduced its new chemical inhibitor modeling software "BWA WaterCycle." BWA WaterCycle was jointly developed with French Creek Software, the creator of WaterCycle, a leading scale and corrosion modeling software for the water treatment industry.

BWA WaterCycle will allow customers to easily and confidently develop scale control packages for their cooling and process water customers. For more information, contact BWA Water Additives at (800) 600-4523.

#### **APTech Group Announced as Finalist in Cincinnati Business Courier's 2011 Green Business Awards**

APTech Group, Inc. has been selected as one of the Cincinnati Business Courier's 2011 Green Business Awards finalists in the Green Market Strategy category.

The Cincinnati Business Courier, in partnership with the U.S. Green Building Council Cincinnati Regional Chapter, created the Green Business Awards to honor and recognize people, companies and organizations that are demonstrating leadership in sustainable practices in a variety of facilities and projects.

"We are proud and humbled to be among the finalists for the Courier's Green Market Strategy award. It is gratifying to be recognized for efforts that are consistent with APTech's ongoing commitment to develop and manufacture sustainable products for the water treatment industry," said James Heimert, CEO of APTech Group.

APTech's EnduroSolv® Water Treatment products enable cleaner, greener and safer cooling tower, closed loop systems and boiler water treatment solutions. EnduroSolv® is a proprietary form of solid water treatment chemicals that allow the mixing of several chemical components into one chemical, without the addition of hazardous chemicals. The resulting solid products are less expensive to ship and safer to store and use than traditional liquid water treatment chemicals. APTech offers a complete line of EnduroSolv® products, utilizing best of breed, proven water treatment chemistry combinations designed to correct most types of raw water problems, such as varying ranges of hardness, pH, and alkalinity.

EnduroSolv® products are supplied and serviced by over 100 distributors in the US. Additionally, EnduroSolv® products are exported to Canada, South America, China and Europe. APTech Group was nominated for the EPA's 2010 Presidential Green Chemistry Award. For more information contact Tim Barngrover at (513) 761-8111 or visit [www.endurosolv.com](http://www.endurosolv.com).

#### **APTech Group Announces EnduroSolv® Distributor/ Partner of the Year**

APTech Group, Inc. is pleased to announce that Water Treatment Services, Inc. of Little Rock, AR, is the winner of the 2010 EnduroSolv® Distributor/Partner of the Year Award.

The EnduroSolv® Distributor/Partner of the Year Award honors an exemplary EnduroSolv® Distributor/Partner that has exhibited strong sales growth of EnduroSolv® products during the past year, innovative online and offline promotional efforts, success in enlarging the geographic territory served by the distributor/partner, pro-actively partnering with APTech Group to produce case studies and references, and enthusiastic, timely follow up on sales leads provided.

"Chad and his EnduroSolv® Team are excellent examples of the innovators that our industry needs. They've consistently demonstrated agility in how they approach the marketplace, while maintaining a highly professional, technical approach to water treatment. I think I speak for all of the EnduroSolv® Partners in wishing them congratulations," said James Heimert, CEO of APTech Group.

"We are very excited and honored to be chosen as this year's EnduroSolv® Distributor/Partner of the Year. We have been committed to converting our existing and new customers over to solids for the past couple of years and