

SHARK TANK

Emerging Technologies: Fluidion Alert Bacteria Analyzers

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Fluidion Alert Products



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Analyzers

Fluidion analyzers cover a large range of water quality parameters, from water microbiology to multi-parameter chemistry, and are fully operational out-of-the-box. They can operate on battery and are IoT-enabled, transmitting all data wirelessly to our Data Analytics interface for centralized management of monitoring operations.



ALERT System V2

The ALERT System V2 is an autonomous in-situ analyzer for detecting E.coli and coliforms. Remotely controllable, it provides accurate, real-time water quality data and alerts, simplifying monitoring operations in any aquatic environment.



ALERT Lab

The ALERT Lab is a portable, remote-controlled analyzer that measures E.coli and other bacteria. It provides rapid, on-site bacterial enumeration for source water and environmental monitoring in labs or field locations.



ALERT One

The ALERT One is a compact portable analyzer for measuring bacterial contamination (E.coli, total coliforms, fecal coliforms) in a single sample of drinking or surface water. It works autonomously in any field location, powered from a universal USB-C port.



e-CHEM V2

The e-CHEM® Chemical Analyzer is a miniaturized, autonomous system for multi-parameter drinking water analysis using microfluidic technology. It can operate for several weeks in a row on a single battery charge while communicating wirelessly.

Our Role

- First purchaser in southeastern US
- Offered opportunity early 2024 to become product distributor
- Benefits to you:
 - Tech support from those you know
 - Users that can relate to your challenges firsthand
- Still services provider first and foremost
- These products are not always the right solution



FLUIDION BACTERIAL ANALYZERS



Woolpert distributes and supports innovative tools for better managing invaluable water resources critical to human and environmental health. As a user and Southeastern distributor of Fluidion bacterial analyzers, Woolpert redefines the state of water quality surveillance through cutting-edge monitoring solutions that empower data-driven decision-making, without the need for traditional lab testing.

The revolutionary Fluidion bacterial analyzers are dedicated to the fully automated sampling and analysis of water, suitable for industrial, urban, recreational, and environmental applications. Prepared to meet your unique needs, these analyzers were designed for a range of commonly used bacterial indicator parameters.

HOW CAN WOOLPERT HELP?

Woolpert distributes and supports these products through the StormOps division or can provide turnkey services:

- Data analysis/interpretation
- Product distribution
- Installation (ALERT System V2)
- Reporting
- Operation
- Technical support



ALERT SYSTEM V2

The Industry's Only Fully Automated
In-Situ Microbiology Lab

Remotely measure bacterial
concentration in-situ with wireless
communication to initiate samples or to
receive real-time alerts.



ALERT LAB

Analysis Lab

Simplify your laboratory troubles with
portable bacteria analysis initiated
anywhere—at a field location, in a
moving vehicle, or at your workstation.



ALERT ONE

The Stand-alone Emergency Response
Unit for Water Quality

Easily ensure public health under all
circumstances and in any location
through compact, portable bacterial
analysis from a single sample of water.



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Alert Lab

- Measures *in situ* concentrations of bacteria after incubation – *E. coli*, Enterococci, Fecal Coliform
 - Capacity to analyze 6 samples, with addition of reagent
 - Includes built-in datalogger/modem – transmits to dashboard for operation
 - Individual and immediate sample incubation
 - Battery powered for field use
 - Similar analytical approach to standard lab methods
 - Results in 6-10 hours
 - Reagent syringes – reagent best if used in 90 days
 - Passed WHO and Unicef verification
 - Measures free bacteria (cells) and bacteria absorbed to sediment



Alert One

- Measures *in situ* concentrations of bacteria after incubation – *E. coli* or Enterococci
 - Capacity to analyze single sample with addition of reagent
 - Operation through display on unit
 - Internal sample incubation
 - Battery powered for field use
 - Similar analytical approach to standard lab methods
 - Reduces delays in results from several days to hours (6-10 hrs)
 - Reagent syringes – reagent best if used in 90 days
 - Passed WHO and Unicef verification
 - Measures free bacteria (cells) and bacteria absorbed to sediment



Most Emerging Tech??

- First and only technology in the world that provides bacteria enumeration in the field
- No more commercial labs
- No holding time restrictions, sample preservation, drop-off limitations, and chain of custody forms
- No more long delays in receipt of results

