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BioSpec Global Solutions Inc.



### **AQUASURE™ 3000**

A single test, precision, portable incubator designed specifically for individual home and well owners to test their private water sources. AQUASURE™ 3000 is based on our STEPPI™ technology (patented) for onsite indoor testing of drinking water for microbials. Used in conjunction with the Test Kit, the AQUASURE™ 3000 provides a quick accurate test for the presence/absence of both Total Coliform and E.coli to World Health Organization (WHO) standards using globally approved methods (US Environmental Protection Agency and others.)

## MAIN FEATURES

- \_ Laboratory performance anywhere indoor at room temperature.
- \_ Detects within 24 hours or less both Total Coliform and E.coli to 1 CFU/100mls.
- \_ Utilizes standard 100mls-sample size.
- \_ Constant temperature profile at  $35 \pm 1.5$  °C for the entire incubation period.
- \_ Patented direct heating and temperature monitoring system for quick even heat distribution.
- \_ Factory preset calibration and total microprocessor control allows for one push button operation.
- \_ Built in microprocessor constantly monitors the operation for precision control of the water temperature.
- \_ Built in QC program ensures accuracy and reliability. Coloured LEDs displays instrument and test status.
  - Green LED - indicates normal operation
  - Yellow LED - Warns of power interruption
  - Red LED - Out of control conditions – Abort Test
- \_ Internal time clock tracks the incubation period and indicates when 24 hour incubation is over through flashing LEDs.
- \_ Clear plastic lid for easy viewing of colour change without opening the lid.
- \_ Good incubation profile at room temperature. Ideal for home testing.
- \_ Compact, portable, robust and lightweight for easy handling and shipping.
- \_ 12 VDC operation using standard household power outlets. Appropriate adaptors for 110 V or 220 V power outlets.

*“Bringing Innovations to the forefront”* BioSpec Global Solutions Inc.



### **ADVANTAGES**

By using the AQUASURE™ 3000 the risk of you and your family consuming tainted drinking water is greatly reduced. It provides the homeowners the control to identify and respond quickly to a microbial water quality problem, eliminating consumption of tainted water without any delays caused by testing in a laboratory.

The AQUASURE™ 3000 also eliminates the many false positives that result from loss of sample integrity caused by transportation, handling and holding time errors associated with offsite laboratory testing. Costly resampling and time delays are eliminated.

Note: Appropriate water/health professionals should be notified immediately when a positive result occurs regardless of the testing procedure used, laboratory or on-site.

## With Aquasure™ 3000 you derive the immediate benefit of:

- \_ More frequent microbial testing at the fraction of the cost.
- \_ Accurate, reliable testing at homes in rural areas where testing laboratories are not available.
- \_ 24/7 access to results, even during times when laboratories are closed; weekends and holidays.
- \_ Quicker response to emergency situations; floods, storms etc.
- \_ Eliminates delays in receiving analysis results, which currently affect the ability to take immediate preventive action.
- \_ Cost effective and more frequent testing for private homeowners and individuals.
- \_ A scientific, sterile testing at home (home mini-lab).
- \_ State of the art technology that is so easy to use, any individual can monitor their own drinking water with absolute confidence in the analysis.

## Accessories

- \_ Aqualite (optional) A long wavelength battery operated UV light source used with the Aquasure™ 3000 to determine the presence of E.coli (fluorescence).
- \_ Adapters 110VAC adapter (standard with the unit for 110 V power outlet countries)
- 220VAC adapter (standard with the unit for 220 V power outlet countries)

## Aquasure™ 3000 Specifications

Size: Height 20-cm Diam. 10.7-cm

Weight: 560 grams

Power: 12 VDC

Environment: Room Temperature