

Welcome to the Safe World of TECTA™ Technology

Rapid Microbial Detection

E. coli
Detected!



Features & Benefits

- Rapid alerting with no fixed incubation delay
- High reliability with minimal handling of samples
- No sample preparation or visual interpretation of results required
- Initiate a test anytime, with automatic reporting of results that are sent directly via email notification to any device immediately upon detection
- Simple operation that does not require specialized personnel
- High dynamic range eliminates need for multiple dilutions
- Direct testing of turbid samples
- Industry-standard enzyme indicators of target bacteria
- Self-contained desktop packaging with touch-screen control

TECTA-B16 AUTOMATED MICROBIOLOGY DETECTION SYSTEM

U.S. EPA Approved



- > The TECTA™ B16 is a complete, self-contained automated microbiology testing system capable of providing laboratory-grade results on-site with unprecedented time-to-result performance.
- > Full automation of the test analysis and interpretation processes eliminates the need for subjective, visual interpretation of results. An objective, written test report is produced for each sample tested.
- > Extreme ease-of-use means that even non-technical personnel can initiate testing and perform all required quality assurance procedures to ensure laboratory-grade test results.



TECTA-B16 Automated Microbiology Detection System

Rapid, automatic microbiological testing with unprecedented ease-of-use and time-to-result performance.

Specifications

Principle of Operation	Patented Polymer Partition™ test technology senses fluorescent indicator of enzyme activity of target organism, excludes water sample from optical path for high turbidity resistance.
Target Organisms	<ul style="list-style-type: none">• Broad-spectrum <i>E. coli</i> (glucuronidase enzyme)• Total Coliforms (galactosidase enzyme)• Fecal Coliforms (galactosidase enzyme)
Available Tests	Up to 16 simultaneous tests for <i>E. coli</i> , Total Coliform and Fecal Coliform presence/absence with count estimation for level of severity indication on positive results.
Sample Handling	Manual sample acquisition with Direct-to-Test™ capability eliminates sample handling and mixing of reagents.
Range	Dynamic range of <1 to >10 ⁶ CFU in 100 ml without requirement for sample dilution.
Operating Modes	Fully automatic interpretation and alarms, with optional remote alarms by email, or SMS message (data connection required). Automatic system confirmation and calibration. Run Mode – Incubation and interpretation in 2-18 hours. Read Mode – Interpretation of pre-incubated samples in 60 seconds.
Typical Detection Times	< 1 CFU in 100 ml detected within 18 hrs. 10 ² CFU in 100 ml detected within 10hrs. 10 ⁴ CFU in 100 ml detected within 8hrs. 10 ⁶ CFU in 100 ml detected within 2-6hrs.
User Interface	7-inch (17.7 cm) front touch-screen display controls all functions. USB port for keyboard (optional).
Power Supply	120 VAC / 220 VAC versions available (must specify).
Weight (installed)	Approximately 28 kg / 61.7 lb
Physical Dimensions	Height: 344 mm / 13.5 inches Maximum height (open for cleaning): 625 mm / 24.6 inches Width: 480 mm / 18.8 inches Depth (front to back): 623 mm / 24.5 inches



ORDERING INFORMATION

TECTA™ B16
Automated microbiology testing system with 16 simultaneous tests.

CONSUMABLES

All test 100 ml, sample Direct-to-Test™, pre-filled with media and reagents (48 tests / box).

TECTA™ CCA
Combined *E. coli* and Total Coliform test.

TECTA™ FCA
Fecal Coliform test

TECTA™ ECA
Rapid *E. coli* test

Additional tests under development.



TECTA is the first automated microbiological testing system to have been approved by U.S. EPA for regulatory compliance testing of municipal drinking water systems required under the Total Coliform Rule.

TECTA-PDS

www.tecta-pds.com or email info@tecta-pds.com

TECTA - PDS

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