

TECTA - B16

AUTOMATED MICROBIOLOGY DETECTION SYSTEM

ENDETEC



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
- > 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



- 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> (<i>glucuronidase</i> enzyme). • Total Coliforms (<i>galactosidase</i> enzyme). • Other tests in development.
Available Tests	Up to 16 simultaneous tests for <i>E. coli</i> and Total 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	<p>Fully automatic interpretation and alarms, with optional remote alarms by email, or SMS message (data connection required). Automatic system confirmation and calibration.</p> <p>Run Mode – Incubation and interpretation in 2-18 hours.</p> <p>Read Mode – Interpretation of pre-incubated samples in 60 seconds.</p>
Typical Detection Times	<p><1 CFU in 100 ml detected within 18 hrs.</p> <p>10² CFU in 100 ml detected within 12 hrs.</p> <p>10⁴ CFU in 100 ml detected within 8 hrs.</p> <p>10⁶ CFU in 100 ml detected within 2-4 hrs.</p>
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	<p>Height: 344 mm / 13.5 inches</p> <p>Maximum height (open for cleaning): 625 mm / 24.6 inches</p> <p>Width: 480 mm / 18.8 inches</p> <p>Depth (front to back): 623 mm / 24.5 inches</p>

Ordering Information

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

Consumables

TECTA™ CCA
Combined *E. coli* and Total Coliform test, 100 ml, sample Direct-to-Test™, pre-filled with media and reagents (48 tests / box).

Additional tests under development.

ENDETEC is a trademark of Veolia Water Solutions & Technologies Group

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