

Welcome to the Safe World of TECTA™ Technology

Rapid Microbial Detection



E. coli
Detected!

U.S. EPA Approved

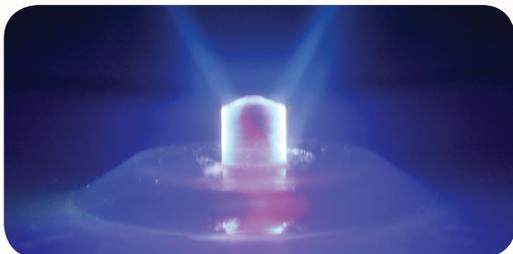
Features & Benefits

- 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™ B4 AUTOMATED MICROBIOLOGY DETECTION SYSTEM

- > The TECTA™ B4 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™ B4 Automated Microbiology Detection System

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

Specifications

Operating Principal	TECTA™ B4 is a directed enzyme-substrate method combined with a patented Polymer Partition technology which isolates the optical detection path from the water sample. This innovation allows continuous automated interpretation of the sample and provides robust results that are insensitive to water sample turbidity and colour.				
Target Organisms	<ul style="list-style-type: none"> • Broad-spectrum E. coli (glucuronidase enzyme) • Total Coliforms (galactosidase enzyme) • Fecal Coliforms (galactosidase enzyme) • Enterococcus (glucosidase enzyme) 				
Instrument Capacity	Up to 4 simultaneous tests for presence/absence with optional quantitative reporting in CFU per 100ml 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 ⁸ CFU in 100 ml without requirement for sample dilution.				
Operating Modes	Fully automated monitoring, interpretation and reporting of results. All results available locally or remotely via email (network 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		TECTAlert-ECA	TECTAlert-FCA	TECTAlert-CCA	TECTAlert-ENA
		E. coli	Fecal Coliform	Total Coliform & E. coli	Enterococcus
	< 1 CFU/100 ml	within 16 hrs	within 18 hrs	within 18 hrs	within 24 hrs
	100 CFU/100 ml	within 9 hrs	within 10 hrs	within 12 hrs	within 12 hrs
	1,000 CFU/100 ml	within 8 hrs	within 9 hrs	within 11 hrs	within 10 hrs
	10 ⁶ CFU/100 ml	within 4 hrs	within 5 hrs	within 7 hrs	within 4 hrs
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 7.8 Kg / 17 lbs				
Physical Dimensions	Height:	275 mm / 11 inches			
	Maximum height (open for cleaning):	525 mm / 21 inches			
	Width:	305 mm / 12 inches			
	Depth (front to back):	486 mm / 18 inches			



Ordering Information

TECTA™B4: Automated microbiology testing system with 4 simultaneous tests.

Test Cartridges

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

TECTAlert ECA: Rapid E. coli test

TECTAlert FCA: Fecal Coliform test

TECTAlert CCA: Combined E. coli and Total Coliform test.

TECTAlert ENA: Enterococcus test

Additional tests under development.



The TECTA™ System is the first automated microbiological testing system to have been approved by U.S. EPA for microbiological regulatory compliance testing required under the national primary drinking water regulations that are part of the Safe Drinking Water Act, including Total Coliform Rule, the Revised Total Coliform Rule,

TECTA-PDS

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

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