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.

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

Specifications

<table>
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<tr>
<th>Principle of Operation</th>
<th>Patented Polymer Partition™ test technology senses fluorescent indicator of enzyme activity of target organism, excludes water sample from optical path for high turbidity resistance.</th>
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</table>
| Target Organisms       | • Broad-spectrum *E. coli* (glucuronidase enzyme).  
                          • Total Coliforms (galactosidase enzyme).  
                          • Other tests in development. |
| Available Tests        | Up to 16 simultaneous tests for *E. coli* 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 >10⁶ 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.  
                          10⁰ CFU in 100 ml detected within 12 hrs.  
                          10⁴ CFU in 100 ml detected within 8 hrs.  
                          10⁶ CFU in 100 ml detected within 2-4 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 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
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.

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ECTA™ is a trademark of Veolia Water Solutions & Technologies Group

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