



BACT/ALERT® VIRTUO®

The Next Dimension in Blood Culture Detection



PIONEERING DIAGNOSTICS



BACT/ALERT® VIRTUO®

The Next Dimension in Blood Culture Detection VIRTUO IS THE FIRST FULLY-AUTOMATED BLOOD CULTURE SYSTEM.

REFINING AND
REDESIGNING
YOUR WORKFLOW,
MAXIMIZING
LABORATORY
EFFICIENCY.

LOAD & GO

Motion-activated loading bay with optical sensors.

Conveyor and carousel feed BACT/ALERT bottles into instrument.

BLOOD LEVEL DETECTION

Directly senses fill level on *BACT/ALERT bottles* in real **time**.*

Immediate notification of *improper fill volume*.

CAP standard MIC.22640 compliant.

SMART SCANNING

Automatically scans bottles for *full traceability*.

AUTOMATED UNLOADING

Put your skills where they're needed most.

Final *negative BACT/ALERT bottles* removed *automatically* or *on demand*.

Shatter-resistant *BACT/ALERT bottles* for worry free unloading.

SYSTEM PERFORMANCE

Advanced growth detection algorithms for *results up to 20% faster*.^{1,2}



▶ VIRTUO seamlessly integrates your **blood culture workflow** to provide efficient and actionable results.

- Motion-activated "load and go" loading so any skill level can load BACT/ALERT bottles.
- Intuitive touchscreen design for enhanced ease of use.
- Automated unloading with removable waste container.
- VIRTUO helps you redesign your workflow by reducing hands-on time and increasing efficiency.



ONE PART OF BIOMÉRIEUX'S COMPLETE APPROACH TO THE SEPSIS PATHWAY AND ANTIMICROBIAL STEWARDSHIP.



*excluding BACT/ALERT PF PLUS bottles



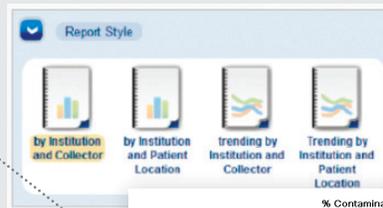
CONNECT YOUR LAB FOR SMARTER INSIGHTS WITH MYLA®

MYLA is the data management platform that allows users to streamline their blood culture workflow and results through improvements in equipment connectivity, lab processes, and information management.

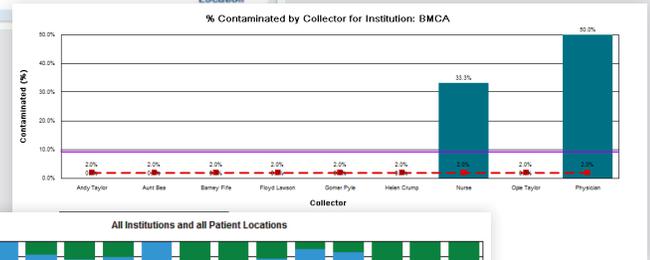
Streamline Your Blood Culture Workflow



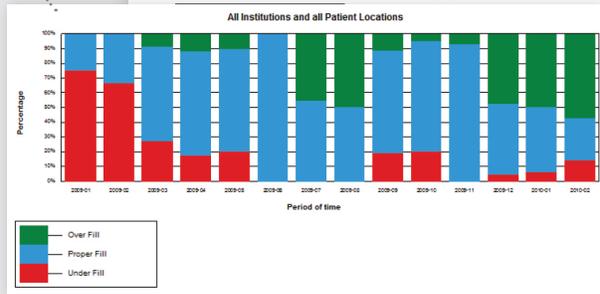
- Blood Culture Contamination Monitoring
- Blood Volume Collection Trends
- Positive vs. Negative Analysis
- Time to Detection of Isolates
- Blood Culture Utilization



Choose from a library of ready to use reports or build your own.

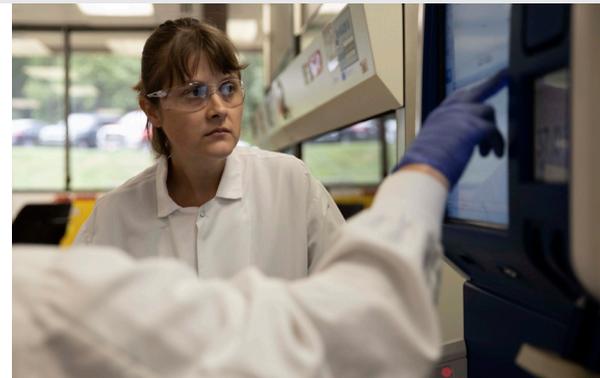


IMPROVE SAMPLE COLLECTION BY IDENTIFYING THE ROOT CAUSE OF QUALITY ISSUES.



ANTIMICROBIAL STEWARDSHIP

bioMérieux is committed to fighting infectious diseases to provide solutions and services to help curb antibiotic resistance worldwide. As a pioneer in the field of *in vitro* diagnostics for more than 50 years, bioMérieux provides diagnostic solutions which determine the cause of disease and contamination to improve patient health and ensure consumer safety. bioMérieux is a partner you can work with to enhance your antimicrobial stewardship efforts-providing faster,³ more accurate,⁴ and actionable results that can help improve health outcomes and deliver measurable downstream savings.



REFERENCE: 1. Altun O, Almuhayawi M, Lüthje P, Taha R, Ullberg M, Özenci V. **Controlled evaluation of the new BACT/ALERT VIRTUO blood culture system for detection and time to detection of bacteria and yeast.** *J Clin Microbiol.* 2016;54(4):1148-1151. 2. Liotti F, Menchinelli G., De Angelis G, et al. **Laboratory evaluation of the BACT/ALERT VIRTUO automated blood culture system.** ECCMID 2016. ePoster P0958. 3. Beaudoin MC, Gervais P, Ruest A, et al. **Comparative evaluation of BACT/ALERT Standard, BACT/ALERT PLUS, BACTEC FX, and VersaTREK blood culture systems with simulated adult and paediatric bacteremia conditions.** ECCMID 2015. Poster EP056. 4. Fiori B, D'Inzeo T, Di Florio V, et al. **Performance of Two Resin-Containing Blood Culture Media in Detection of Bloodstream Infections and in Direct Matrix-Assisted Laser Desorption Ionization-Time of Flight Mass Spectrometry (MALDI-TOF MS) Broth Assays for Isolate Identification: Clinical Comparison of the Bact/Alert Plus and Bactec Plus Systems.** *J Clin Microbiol.* 2014;52(10):3558-3567.