

BIOMÉRIEUX

# BACT/ALERT® VIRTUO®

AUTOMATED BLOOD CULTURE DETECTION



PIONEERING DIAGNOSTICS

## BACT/ALERT® VIRTUO®

Give your laboratory and patients the care they deserve.

BACT/ALERT VIRTUO delivers fully automated blood culture processing, providing faster<sup>1</sup> and more accurate results to support better patient care.<sup>2</sup>

### LOAD AND GO

**Simplify bottle loading** and minimize hands-on time—for all skill levels.

**Motion-activated** loading bay with optical sensors.

**Direct conveyor and carousel** feed BACT/ALERT bottles into instrument.

### BLOOD LEVEL DETECTION

**Ensure sample quality** with real-time fill alerts.

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

**Immediate notification** of improper fill volume. CAP standard MIC.22640 compliant.

### SMART SCANNING

**Minimize errors** and ensure confidence in results.

BACT/ALERT VIRTUO automatically scans bottles for **full traceability**.

### AUTOMATED UNLOADING

**Put your skills where they're needed most.**

**Automatic or on demand final removal** of negative BACT/ALERT bottles.

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

### SYSTEM PERFORMANCE

**Boost lab efficiency** and support clinical decisions.

**Results up to 20% faster** with advanced growth detection algorithms.<sup>1,2</sup>



Up to  
**20%**  
faster

\*excluding BACT/ALERT PF PLUS bottles

## BACT/ALERT® VIRTUO®



REFINING AND  
REDESIGNING  
YOUR WORKFLOW,  
MAXIMIZING  
LABORATORY  
EFFICIENCY.

▶ BACT/ALERT seamlessly integrates your **blood culture workflow** to provide efficient and actionable results.

- Optimize your core lab or decentralized clinical setting.<sup>4,5,6,7</sup>
- Support consistent microbial growth with advanced internal thermal controls.
- Move to pathogen identification (ID) and antimicrobial susceptibility testing (AST) more quickly to gain valuable time for high-risk patients.<sup>1,2</sup>

BACT/ALERT VIRTUO IS ESSENTIAL TO THE BIOMÉRIEUX APPROACH TO SEPSIS MANAGEMENT AND ANTIMICROBIAL STEWARDSHIP



## AWARD-WINNING SUPPORT YOU CAN RELY ON

Exceptional service is part of the foundation that helps us lead with compassion, going beyond industry standards to achieve our goal of making the world a healthier place.



Consistently receives IMV ServiceTrak™ awards for customer satisfaction, system performance, and OEM service performance.

### Technical Support Center

First point of contact for customers who have a question

- ★ 4.9/5 Customer Satisfaction Rating<sup>8</sup>
- 📞 US Based front-line 24/7 telephone support
- 🎧 Resolve 82% of inquiries over the phone<sup>8</sup>
- ✓ Remote troubleshooting and software updates through VILINK®

### Field Applications

Provides on-site training and technical support to help ensure optimal use of bioMérieux instruments

- ★ 4.9/5 Customer Satisfaction Rating<sup>8</sup>
- 🎓 All team members are **degreed Medical Technologists** or **Microbiologists**
- 👥 **More than 40** Field Application Specialists across the U.S.

### Order Fulfillment

Finalizes and implements new contracts and satisfies orders for existing customers

- ★ 4.9/5 Customer Satisfaction Rating<sup>8</sup>
- ✓ 24/7 ordering available through bioMérieux DIRECT and EDI

### Field Service

Trained on all bioMérieux instruments to keep your lab up and running

- ★ 4.9/5 Customer Satisfaction Rating<sup>8</sup>
- 📅 On-site support **7 days a week**
- 🕒 95% first time fix on site<sup>8</sup>
- 👥 **More than 90** Field System Engineers across the U.S.

### Lab Integration

Supports middleware integration and remote service connectivity for bioMérieux devices

- ★ 5/5 Customer Satisfaction Rating<sup>8</sup>
- ✓ Specialties in IT Security, LIS Integration and Project Management
- 👥 **More than 25** specialized team members

### Service Sales

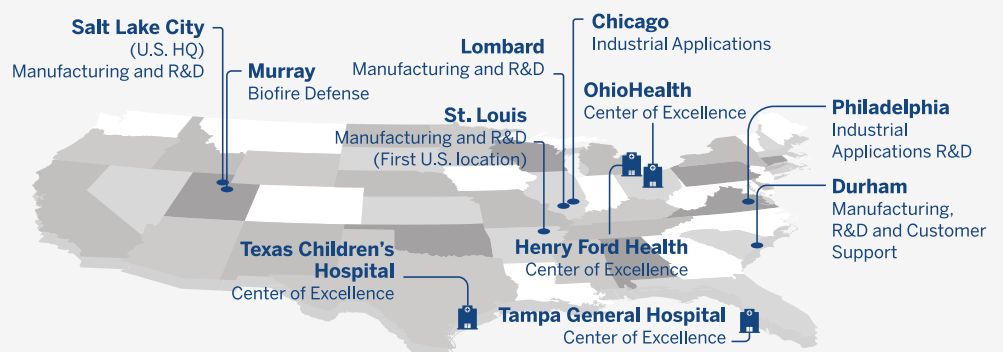
Services ranging from a la carte to fixed price service agreements to optimize instrument performance and minimize downtime

- 🕒 Automated PM scheduling
- ✓ Proactive Renewal notifications

## Driving Innovation from Coast to Coast – Delivering Worldwide

At bioMérieux, our U.S. operations power global health solutions. With manufacturing and R&D hubs strategically located across the country—from Salt Lake City and San Jose to St. Louis, Lombard, and Durham—we provide quality and innovation at every step.

From American manufacturing floors to international shipping lanes, we deliver trusted solutions to customers worldwide—because global health starts with strong local expertise.



# TRANSFORMING DATA INTO ACTIONABLE INSIGHTS

**MA**

**MAESTRIA™ is our next generation microbiology middleware to help you increase visibility over your laboratory operations, integrate continuous improvement processes, and significantly reduce time spent on non-value-added tasks.<sup>2</sup>**



## Key Performance Data

Monitor lab performance KPIs with MAESTRIA and target areas for improvement in your blood culture process.

- Contamination associated with culture collection
- Blood volume collected
- Positive vs. negative analysis
- Time-to-detection for blood culture isolates
- Blood culture utilization: number of bottles per set, per patient and/or ward



## Easy Access

- Blood culture data analytics and results consolidation
- Remote access, including bottle status remote notification



## Even More with MAESTRIA

- Monitor lab activities and KPIs
- Infection control and AMS statistical reporting
- Lab efficiency reporting

## ANTIMICROBIAL STEWARDSHIP

bioMérieux is an innovative diagnostics company with a Total Sepsis Solution, spanning blood culture collection, fast ID/AST, lab informatics, and support services.



To learn more, contact your sales representative or visit our [BACT/ALERT VIRTUO page](#).

### References:

1. Halperin, Av, et al. 2022. *Microbiology Spectrum*. 10(5), E01436-22.
2. Altun O, et al. *J Clin Microbiol*. 2016;54(4):1148-1151.
3. Menchinelli G, Liotti FM, Fiori B, et al. *Front Microbiol*. 2019;10:221.
4. Akan OA, Yildiz E., *Diagn Microbiol Infect Dis*. 2006 Mar; 54(3):193-6.
5. R. L. Sautter, et al. *J. Clin. Microbiol.*, Apr 2006; 44: 1245 - 1249.
6. Lieven B. van der Velden, et al. *J. Clin. Microbiol.*, Jan 2011; 49: 275 - 280.
7. Wilms MC, et al. *J Microbiol Methods*. 2009 Nov;79(2):194-8
8. BACT/ALERT® VIRTUO® achieved IMV ServiceTrak™ Best Service, Best System Performance, and Best Customer Satisfaction awards in the Blood Culture category for 2020, 2021, 2023, 2024, and 2025.