



# BACT/ALERT® VIRTUO®

AUTOMATED SYSTEM FOR FASTER BLOOD CULTURE

The fastest patient results. **Delivered.**



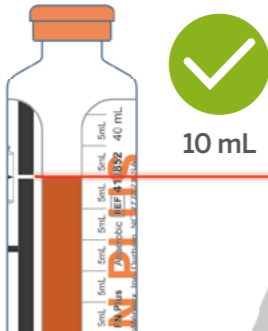
PIONEERING DIAGNOSTICS

# BACT/ALERT® VIRTUO®

## HOW FAST IS YOUR BLOOD CULTURE SOLUTION?

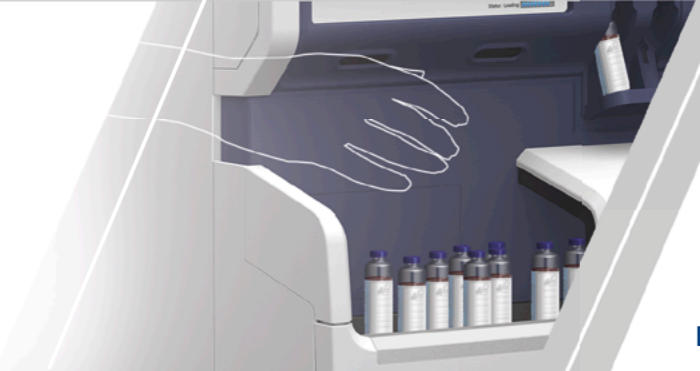
### WHY CHOOSE BETWEEN FAST AND ACCURATE?

Faster blood culture results are only relevant if they're also truly reliable.



### WHY CHOOSE BETWEEN PRODUCTIVITY AND RELIABILITY?

Discover automation that adapts to your lab organization.



LAB INFORMATICS SOLUTIONS

#### ACCURATE

Control process for reliability

- Blood Level Detection
- Act immediately when needed
- Monitor blood collection practices

#### RAPID

Put time on the patient's side

- New ultra-sensitive algorithms
- Earlier bacterial growth detection<sup>1,2,3,4</sup>
- FAN® PLUS MEDIA for superior antibiotic neutralization<sup>5,6</sup>

#### AUTOMATED

Streamline work, save time & costs

- “Load & Go” to easily manage bottles, less hands-on
- Optimize your workflow
- Manage bottles by anyone, anytime, anywhere

#### CUSTOMIZED

Fits your lab, your needs

- Achieve easy complete compliance
- Modular & scalable
- Empower your lab with MYLA® and VILINK®



# EMPOWERING LABS WITH FASTER, RELEVANT MICROBIOLOGY SOLUTIONS

At bioMérieux, we believe breakthrough blood culture technologies are essential for faster, accurate results. We've been your partner for over 50 years with innovations by microbiologists, for microbiologists. BACT/ALERT® VIRTUO® is part of our integrated approach to empower labs with solutions recognized for truly impacting better patient management.

## TIME IS OF THE ESSENCE IN SEPSIS DIAGNOSTIC MANAGEMENT

Having saved time with our blood culture offer, check out other ways we can help you improve sepsis patient outcomes.

**SAMPLE COLLECTION & TRANSPORTATION**  
reduced by 7 hours<sup>7</sup>



FAN® PLUS MEDIA & WORKFLOW

**BLOOD CULTURE**  
reduced by 3.5 hours<sup>8</sup>



BACT/ALERT® VIRTUO®

**PATHOGEN IDENTIFICATION**  
reduced by 23 hours<sup>9</sup>



VITEK®MS

**ANTIBIOTIC SUSCEPTIBILITY TESTING**  
reduced by 1 day<sup>10</sup>



VITEK®2

**SEPSIS SUSPICION: VIDAS® B-R-A-H-M-S PCT™**

**ANTIBIOTIC MANAGEMENT: VIDAS® B-R-A-H-M-S PCT™**

\*CE-IVD marked; FDA cleared

### REFERENCES

- 1- Liotti, F.M. et al. "Laboratory Evaluation of the BacT/ALERT® VIRTUO™ Automated Blood Culture System". ECCMID 2016 poster.
- 2 - Menchinelli, F. et al., "BacT/ALERT® VIRTUO: a New Automated Colorimetric Microbial Detection System for Detection of Bacteremia". AMCLI 2015 Poster.
- 3 - Mullis, D. et al. "Comparison of the bioMérieux Virtuo BacT/Alert Microbial Detection System to the BacT/Alert 3D". Dublin 2016 Poster.
- 4 - Chan, Y.-J. et al. "Comparison of the new generation of blood culture system with the BacT/ALERT® 3D system for the detection of bacteremia in patients from emergency room." ECCMID 2016 Poster.
- 5 - D. Lovren et al. "Antimicrobial binding and growth kinetics in BacT/ALERT FA Plus and BACTEC Aerobic/F Plus blood culture bottles", European journal of microbiology and infectious diseases, 2016; doi:10.1007/s10096-016-2759-9
- 6 - Shan L.H et al. "Evaluation study on Antimicrobial Neutralization with Automated Blood culture System sat laboratory, Sunway medical center", MEDLAB Asia Pacific 2016
- 7 - Internal Data- USA Performance Solutions Dept. based on 450+ customer assessments where the average time to arrival to the lab of an inoculated blood culture bottle has been equal to 10 hours, and has been reduced on average by 70%.
- 8 - Deol P. et al. BacT/ALERT VIRTUO: Rapid time to detection difference between the BacT/ALERT® VIRTUO™ and the BacT/ALERT® 3D 2016 : 26TH ECCMID #EV0459
- 9 - Potential pathogen ID reduction compared to VITEK 2 ID. (non binding data)
- 10 - Compared to conventional methods.