

BACT/ALERT® CULTURE MEDIA BOTTLES

Evidence You Can Trust. Reliable Performance for Detection of Bloodstream Infections.

In today's clinical practice, diagnosing bloodstream infections (BSI) is challenging:

Up to 2/3 of patients¹ have already received antibiotics, reducing pathogen detectability and blood culture efficiency. **BACT/ALERT® FAN® Plus bottles** offer the best neutralization performance for antimicrobials and is a reliable choice for BSI detection.²⁻⁶ With one offer for every need, you get:

- ✓ Aerobic, anaerobic, and pediatric bottles validated for blood and sterile biological body fluids*
- ✓ Enhanced diagnostic accuracy and faster detection⁷⁻⁹
- ✓ Streamlined blood culture workflow
- ✓ Reduced complexity of bottle management and blood sampling without additional steps or specialized bottles⁶



PROVEN PERFORMANCE. PEER-BACKED.



Neutralization with advanced technology¹⁰ **absorbs and neutralizes 30 antibiotics**, plus key antifungal and anti-cancer agents



Dual polymeric bead system drives 3 neutralization processes; **no binding saturation observed** even at very high antimicrobial concentrations⁶



Validated even for delayed bottles **loading up to 24 hours** after blood collection¹¹



Multilayer plastic bottles with unique gas barrier layering **preserves reagent stability** at expiry date to ensure media reliability and quality

*Except pediatric bottles for sterile biological body fluids.

THE BACT/ALERT® FAN® PLUS ADVANTAGE: Earlier Stewardship Decisions for BSI Management⁶

4.5
HOURS OVERALL
FASTER TIME TO
DETECTION⁶

8.7
HOURS FASTER
TIME TO DETECTION
FOR AEROBES⁹

UP TO **15.6**
HOURS FASTER
DETECTION FOR FIRST-LINE
COMBINED THERAPIES⁹

6-7
HOURS FASTER
ID/AST⁹

BACT/ALERT® FAN® PLUS: A REFERENCE IN BSI MANAGEMENT

- ✓ **Highest recovery performance** across 40+ drug-pathogen combinations, with nearly double recovery rate vs competitors under peak antibiotic pressure⁴⁻⁵
- ✓ **Earlier positive signal detection**, critical in sepsis and pre-treated patients, supporting faster clinical interventions⁹
- ✓ **100% recovery** of *C. auris*, *C. glabrata*, *C. parapsilosis* and resistant yeasts in Intensive Care Unit wards, even under high voriconazole and micafungin concentrations¹²
- ✓ **Broad and reliable pathogen spectrum, including fungi**, to support clinicians where diagnostic gaps are most costly^{6,7,12}



COLORIMETRY

- ✓ A permanent color change **eliminates the risk of false negatives when the bottle is not loaded** within the first hours after blood collection
- ✓ Safe handling in transit with unique **early detection algorithm reduces false negatives by 50%**¹⁴



EVERYTHING YOU NEED FROM BLOOD COLLECTION TO SUBCULTURE IN ONE COMPREHENSIVE OFFER.

As part of our complete blood culture product range, we offer a full set of secure holders and subculture devices for safe, easy blood collection and positive blood culture handling.



Pre-analytical

- ✓ **Adapter Caps** ensure safe and efficient blood culture sample collection into BACT/ALERT® bottles



Post-analytical

- ✓ **Subculture devices:** Drop or dual-method (drop + syringe) for safe, needle-free transfer to slides or media plates
- ✓ **Transfer cap:** Secure, needle-free device for moving samples from culture bottles to vacuum tubes, minimizing exposure risk

BACT/ALERT® STANDARD BOTTLES

Range without neutralization:

- ✓ **SA Aerobic bottle**
- ✓ **SN Anaerobic bottle** (including *C. acnes* detection)

The bottles can be used for blood and other sterile body fluids¹¹. Proven performance with or without supplementation by the largest user community¹⁴⁻¹⁶.



BACT/ALERT® MP BOTTLES

For Mycobacteria Detection in Biological Fluids:

- ✓ **Fast, Reliable Mycobacteria Detection:** Average time to detection of 11 days (compared to up to 8 weeks with conventional media)¹⁷.
- ✓ **Optimized Workflow:** Saves 1 hour by using room-temperature reagents¹⁷ and a secure crimp/seal system, making it suitable for P2 labs.
- ✓ **High performance:** Low false-positive (2.28%) and false-negative (0.13%) rates¹⁷.
- ✓ **A Standardized Process:** Ready-to-use MAS kit ensures consistent sputum preparation and high-quality results.

Sputum provides higher diagnostic yield in HIV-associated *M. tuberculosis* BSI (77% vs 45% for blood), making it the preferred sample type¹⁸.



BACT/ALERT® BPA and BPN bottles: the dedicated blood bank platelet testing solution, used exclusively on the BACT/ALERT® VIRTUO® System

Reliable quality control for platelets given their short shelf life and high risk of contamination.

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