zynnon
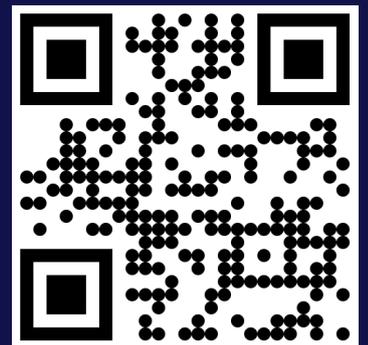For smarter health

Bactify™

Semi-Automated Microbial Detection System

Intended Use

The Bactify assay is a semi-automated microbial detection system for the detection of bacteria, yeast and fungi in human blood. It is used in the diagnosis of bloodstream infections and sepsis

Key Benefits

- Reduces result time by nearly 50% - 15 hours versus 33 hours using traditional manual methods

- Enables early microbial detection or infection alerts, facilitating faster clinical actions

- Decreases technician workload and improves overall laboratory turnaround time

Technical Specifications

- **Technology used:** Headspace analysis of metabolic Volatile Organic Compounds (VOCs) released by microorganisms during growth

- **Parameters measured:** Concentrations of CO_2, O_2 and other gases such Azote, Hydrogen, Ammonia, Acetone, Hydrogen sulfide, Methane

- **Time to Results:** Ranging from 12 to 48 hours (pathogen- and inoculum- dependent)

- **Operator Time:** 5 minutes every 24 hours (bottle headspace sampling)

- **Throughput:** 50 tests per shift

- **Dimensions:** 28x20x33cm (11×7.9×13 inches)

- **Weight:** 4.5kg (9.92 pounds)

- **Power Supply:** 110-230 VAC

Regulatory

- **Regulatory Status:** WHO Prequalification pending. CE mark and FDA in progress.

Clinical Applications

- **Early detection of bloodstream infections:** Detects bacterial/yeast/fungal growth in blood/sterile fluids for rapid intervention

- **Critical care monitoring:** ICU, immunocompromised, pediatric, neonatal patients

- **Guiding empiric therapy:** Provides early indication for initiating or adjusting antibiotics

- **Infection control:** Provides alerts for isolation protocols or outbreak investigations

- **Pathogen coverage:** Targets 90% of pathogens responsible for sepsis

Support and Services

- **Training:** On-site and online training sessions for medical staff

- **Technical Support:** Hotline, Remote, Clinical Applications and email supports

- **Warranty:** 1-year standard warranty with optional extended coverage

- **Maintenance:** Preventive maintenance, Full Service Agreement, Customized Service offering

Contact Information

- +41 77 525 74 70
- contact@zynnon.com
- www.zynnon.com