

Sepsis Diagnostics Market Analysis: Key Trends, Share, Growth Drivers, And Forecast 2025-2034

The Business Research Company's Sepsis Diagnostics Market Analysis: Key Trends, Share, Growth Drivers, And Forecast 2025-2034

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Market Size, Trends, And Global Forecast 2025-2034

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It will grow to \$1.47 billion in 2029 at a compound annual growth rate (CAGR) of 8.2%.”

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The sepsis diagnostics market has evolved dramatically in recent years marking significant growth trends.

Impressively, the market capitalization is projected to surge from \$0.99 billion in 2024 to \$1.07 billion in 2025, rendering a compound annual growth rate CAGR of 8.3%.

This growth can be largely attributed to an increasing incidence of sepsis, growing awareness regarding early diagnosis, rising healthcare expenditure, increasing

prevalence of hospital-acquired infections, and a flourishing adoption of point-of-care testing.

What Is The Projected Size Of Sepsis Diagnostics Market In The Next Few Years?

Near-term projections illuminate a robust growth trajectory of the sepsis diagnostics market in the forthcoming years. The market size is expected to surge supremely to \$1.47 billion in 2029 at a compound annual growth rate CAGR of 8.2%. The key market factors driving this rapid expansion include rising demand for rapid diagnostics, escalating investments in healthcare infrastructure, burgeoning focus on personalized medicine, an increasing prevalence of antimicrobial resistance, and a rising adoption tide of next-generation sequencing. Major trends

in the forecast period comprise integration of AI in diagnostics, cutting-edge advancements in biomarkers, molecular diagnostics, a stride shift towards automated and digital diagnostic platforms, and sweeping advancements of artificial intelligence in diagnostics.

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What is Driving the Sepsis Diagnostics Market?

The rising prevalence of hospital-acquired infections is poised to add impetus to the growth of the sepsis diagnostics market going forward. Hospital-acquired infections HAIs are infections that develop during or after a patient's stay in a healthcare facility, typically 48 hours or after admission, and were not present at the time of admission. The increasing occurrence of HAIs can be chalked up to an increase in antibiotic resistance due to rampant overuse and misuse of antibiotics in healthcare settings. This has given rise to resistant bacteria that render infections increasingly harder to treat. Sepsis diagnostics play an instrumental role in early detection of hospital-acquired infections by identifying pathogens and biomarkers, thus enabling timely treatment and reducing complications. Hence, the rising number of hospital-acquired infections propels the sepsis diagnostics market's growth trajectories.

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Who Are The Industrial Giants In The Sepsis Diagnostics Market?

The sepsis diagnostics market is governed by renowned companies like Siemens Healthcare GmbH, F. Hoffmann-La Roche AG, Thermo Fisher Scientific Inc., Abbott Laboratories, Danaher Corporation, Becton, Dickinson and Company, Koninklijke Philips N.V., GE Healthcare, Wolters Kluwer N.V., bioMérieux S.A., Bruker Corporation, DiaSorin S.p.A., Cepheid Inc., Seegene Inc., Luminex Corporation, T2 Biosystems Inc., Cytovale Inc., Accelerate Diagnostics Inc., Immunexpress Inc., and Sepsis Alliance.

Who are the Innovators Paving the Way to the Future of Sepsis Diagnostics Market?

Key market participants are keenly focusing on innovative developments such as culture-free diagnostic solutions, which drastically drive the sepsis diagnostics market's growth by enabling speedy and accurate detection of sepsis thus bypassing the need for traditional blood cultures. These solutions lean on advanced technologies such as polymerase chain reaction PCR, next-generation sequencing NGS, or immunoassays for rapid pathogen identification directly from patient samples such as blood, saliva, or tissue.

How Is The Global Sepsis Diagnostics Market Segmented?

The sepsis diagnostics market as covered in this report is segmented and broken down by:

- 1 By Product: Instruments, Blood Culture Media, Assay Kits And Reagents, Software
- 2 By Technology: Microbiology, Molecular Diagnostics, Immunoassays, Flow Cytometry, Other Technologies
- 3 By Pathogen: Bacterial Sepsis, Fungal Sepsis, Viral Sepsis, Other Pathogens
- 4 By Method: Automated Diagnostics, Conventional Diagnostics
- 5 By End-Users: Hospitals And Clinics, Pathology And Reference Laboratories, Research Institutes

Subsegments:

By Instruments: Automated Analyzers, Point-Of-Care PoC Testing Devices, Microfluidic-Based Devices, Polymerase Chain Reaction PCR Instruments, Flow Cytometers

By Blood Culture Media: Aerobic Blood Culture Media, Anaerobic Blood Culture Media, Mycobacteria Blood Culture Media, Pediatric Blood Culture Media, Fungal Blood Culture Media

By Assay Kits And Reagents: Enzyme-Linked Immunosorbent Assay ELISA Kits, Polymerase Chain Reaction PCR Assay Kits, Immunoassay Reagents, Molecular Diagnostic Reagents, Biosensor-Based Assay Kits

By Software: Data Management Software, Laboratory Information Systems LIS, Artificial Intelligence AI-Based Diagnostic Tools, Predictive Analytics Software, Cloud-Based Diagnostic Platforms.

Where Does The Largest Sepsis Diagnostics Market Reside?

North America emerged as the largest region in the sepsis diagnostics market in 2024. However, Asia-Pacific is anticipated to be the fastest-growing region in the forecast period. The regions covered in the sepsis diagnostics market report are Asia-Pacific, Western Europe, Eastern Europe, North America, South America, Middle East, and Africa.

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Oliver Guirdham

The Business Research Company

+44 20 7193 0708

info@tbrc.info

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