

Clinical Microbiology Market Size, Share & Trends Analysis Report By Product, By Application (Bloodstream, Respiratory, Gastrointestinal, Periodontal, STD, UTI), By Region, And Segment Forecasts, 2018 - 2025

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Abstracts

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The global clinical microbiology market size is expected to reach USD 16.7 billion by 2025, according to a new report by Grand View Research, Inc. It is projected to expand at a CAGR of 6.7% over the forecast period. Clinical microbiology depends on technical and skilled workforce to process and interpret results of clinical specimens. Clinical staff have been complaining about poor Turnaround Time (TAT) of tests. However, with technological advancements, a number of laboratory instruments and equipment are being replaced with automated devices to minimize human error and dependency on skilled workforce.

In addition, automation has benefits such as reduced TAT and use of labor and lab space, thereby reducing overall cost associated with these tests. Manufacturers are focusing on introduction of automatic specimen processing, plate reading, and organism identification. GE Healthcare, PerkinElmer, and Thermo Fisher are some of the key players offering automated systems in the diagnostics industry.

Rising cases of hospital-acquired infections (HAI) is also fueling demand for clinical microbiology for diagnosis and monitoring. As high-income countries are stepping up their pursuit of countering hospital-acquired infections, middle- and low-income countries are recognizing the threat. Introduction of automated systems and innovative designs is expected to intensify market competition and change market dynamics over

the forecast period.

The World Health Organization (WHO) is particularly active in countries such as Ethiopia, Burkina Faso, Nigeria, Algeria, and Senegal, where occurrence of HAIs ranged between 2.5% and 14.8%. This has led to increased demand for HAI diagnostics in these countries. Countries such as India, Sri Lanka, Pakistan, and Bhutan are also actively participating in HAI awareness programs. India and China are projected to be the main countries driving demand for HAI diagnostics instruments and tests in future.

Further key findings from the study suggest:

Owing to rapid adoption of technology and automation of work flow, laboratory instruments are expected to form the fastest growing segment over the forecast period

Reagents captured the largest revenue share in 2016 owing to repeat purchase of reagents

In 2015, North America dominated the global market. Continuous research on infectious disease treatment and subsequent grants from government healthcare agencies are contributing to development of a strong ecosystem in the region

Asia Pacific is expected to emerge as the fastest growing region during the forecast period owing to rising geriatric population in India, China, and Japan. This has resulted in high prevalence of re-emerging infectious diseases such as tuberculosis, cholera, and typhoid

The clinical microbiology market is presently dominated by a few key participants such as bioMérieux S.A.; Cepheid Inc.; Danaher Corporation; and Bruker Corporation

Other prominent players operating in the market include Becton Dickinson & Company; Hologic Inc.; Roche Diagnostics; and Alere Inc.

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