

Point of Care (PoC) Molecular Diagnostics Market Analysis By Application, (Infectious Diseases, Oncology, Hematology, Prenatal Testing, Endocrinology), By Technology (PCR-based, Microarray-based, Hybridization-based, Genetic Sequencing-based), By Test Location, (Over-the-counter, Point-of-care), By End-use (Decentralized Labs, Hospitals, Home-care, Assisted Living Facilities) And Segment Forecasts To 2024

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Abstracts

Global point of care molecular diagnostics market is anticipated to reach USD 3.9 billion by 2024, according to a new report by Grand View Research, Inc. Ongoing research & development to miniaturize molecular diagnostics testing that provides enhanced near patient testing with high accuracy & lesser turnaround times are major factors expected to reinforce the high growth potential for POC MDx products.

Growing demand for CLIA tests that are, by definition, portable and safe enough to be used in non-laboratory settings such as pharmacy clinics, physician offices, and home-care settings, is expected to drive demand in the market over the forecast period. Ongoing research and development is continually supported and funded by a number of major international entities including the national governments of developed countries and high-value private funding agencies such as the Bill & Melinda Gates Foundation.

Furthermore, a growing portfolio of point-of-care testing capabilities that, had initially been focused on screening, testing, and diagnosis of infectious diseases in low-income developing countries, has been developing at a rapid pace over the past decade to

expand its potential market to a broader range of medical faculties. Consequently, POC and molecular diagnosis tests are available and/or are under development for cardiology monitoring, oncology testing, and hematology testing.

Recent advances in the development of microfluidics and genetic sequencing instrumentation pave the way for development of cost-effective, highly accurate and rapid testing platforms, which are able to be used as true POC systems. This is a key factor that significantly contributes towards the favorably funded, high growth potential environment prevalent in the point of care molecular diagnostics market.

Further key findings from the report suggest:

Application of POC MDx tests for infectious diseases accounted for over 45% of market revenue in 2015. The large share can be accounted for by the presence of an extensive portfolio of the concerned tests with a number of major market entities. Furthermore, growing disease burden of infectious diseases in developing as well as developed countries is another factor that reinforces the dominance of this segment.

PCR-based POC tests accounted for the largest share of the market in 2015. Widespread usage of PCR-based techniques for molecular diagnosis and commercialization of POC real time PCR products such as the cobas LIAT by Roche have provided this segment with ample opportunities for revenue generation and are expected to maintain a favorable market environment over the forecast period.

North America was observed to be the most lucrative region on this market and estimated to account for over 40% of the global revenue. presence of a technologically advanced medical framework, sophisticated insurance & copayment system & high R&D investment by governments and private funding organizations for the development of POC MDx tests are major factors responsible for the region's dominant market position.

Key players operating in this industry include Johnson & Johnson, Danaher Corp., Cepheid, Bio-Rad Laboratories, bioMerieux, Becton Dickinson, Roche Diagnostics, Bayer Healthcare, Alere Inc (Abbott), Abbott Laboratories among others.

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