

Global Precision Diagnostics & Medicine Market Size Study & Forecast by Type (Genetic Tests, Esoteric Tests, and Others) and Application (Oncology, Cardiovascular, Neurology, and Others) and Regional Forecasts 2022-2032

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Abstracts

The Global Precision Diagnostics & Medicine Market, valued at approximately USD 75.85 billion in 2024, is poised to surge with a compound annual growth rate (CAGR) of 13.10% from 2025 through 2035. Precision diagnostics and medicine encompass a transformative approach within healthcare that leverages advanced testing techniques—ranging from genetic to esoteric tests—to tailor therapeutic interventions precisely to patient profiles. This evolution facilitates early detection, personalized treatment plans, and improved patient outcomes, thereby driving the momentum of the market. The growing prevalence of chronic diseases, rapid advancements in molecular diagnostics, and increased healthcare expenditure across developed and emerging economies collectively bolster market expansion.

This escalating demand for precision diagnostics is closely tied to breakthroughs in genomic sequencing and biomarker identification, which enable clinicians to pinpoint disease etiologies with unprecedented accuracy. Oncology remains the foremost application segment, as the integration of precision medicine significantly refines cancer diagnosis and treatment paradigms. Meanwhile, cardiovascular and neurological disorders also present robust avenues for growth, propelled by increasing incidence rates and the urgent need for personalized healthcare solutions. Furthermore, expanding end-user adoption—spanning hospitals, clinical laboratories, and emerging homecare diagnostic platforms—reflects an evolving landscape where accessibility and patient-centric care remain paramount. Nevertheless, challenges such as regulatory complexities and high costs may temper market acceleration during the forecast

horizon.

Regionally, North America dominates the precision diagnostics and medicine arena, buoyed by its sophisticated healthcare infrastructure, substantial R&D investments, and a strong presence of key market players. The United States, in particular, leads in adopting cutting-edge diagnostic technologies and personalized therapies, supported by favorable reimbursement policies and robust regulatory frameworks. Europe follows closely, driven by rising healthcare awareness and governmental support across countries like Germany, the UK, and France. However, Asia Pacific is anticipated to witness the fastest growth, fueled by burgeoning healthcare infrastructure, rising disposable incomes, and increasing disease burden in populous countries such as China and India. Additionally, strategic collaborations and government initiatives aimed at advancing precision medicine are catalyzing market expansion in this region. Latin America and the Middle East & Africa, although comparatively nascent, are progressively investing in precision healthcare capabilities, offering promising prospects for future growth.

Major market players included in this report are:

Bayer AG

Thermo Fisher Scientific Inc.

Illumina, Inc.

F. Hoffmann-La Roche Ltd.

Abbott Laboratories

Agilent Technologies, Inc.

Becton, Dickinson and Company

Siemens Healthineers AG

PerkinElmer, Inc.

QIAGEN N.V.

Charles River Laboratories International, Inc.

Exact Sciences Corporation

Invitae Corporation

Guardant Health, Inc.

BD Diagnostics

Global Precision Diagnostics & Medicine Market Report Scope:

Historical Data – 2023, 2024

Base Year for Estimation – 2024

Forecast Period – 2025-2035

Report Coverage – Revenue forecast, Company Ranking, Competitive Landscape, Growth Factors, and Trends

Regional Scope – North America; Europe; Asia Pacific; Latin America; Middle East & Africa

Customization Scope – Free report customization (equivalent up to 8 analysts' working hours) with purchase. Addition or alteration to country, regional & segment scope*

The objective of the study is to define market sizes of different segments & countries in recent years and to forecast the values for the coming years. The report is designed to incorporate both qualitative and quantitative aspects of the industry within the countries involved in the study. The report also provides detailed information about crucial aspects, such as driving factors and challenges, which will define the future growth of the market. Additionally, it incorporates potential opportunities in micro-markets for stakeholders to invest, along with a detailed analysis of the competitive landscape and product offerings of key players. The detailed segments and sub-segments of the market are explained below:

By Type:

Genetic Tests

Esoteric Tests

Others

By Application:

Oncology

Cardiovascular

Neurology

Others

By End User:

Hospitals

Clinical Laboratories

Homecare

By Region:

North America

U.S.

Canada

Europe

UK

Germany

France

Spain

Italy

Rest of Europe (ROE)

Asia Pacific

China

India

Japan

Australia

South Korea

Rest of Asia Pacific (RoAPAC)

Latin America

Brazil

Mexico

Middle East & Africa

UAE

Saudi Arabia

South Africa

Rest of Middle East & Africa

Key Takeaways:

Market Estimates & Forecast for 10 years from 2025 to 2035.

Annualized revenues and regional level analysis for each market segment.

Detailed analysis of geographical landscape with Country level analysis of major regions.

Competitive landscape with information on major players in the market.

Analysis of key business strategies and recommendations on future market approach.

Analysis of competitive structure of the market.

Demand side and supply side analysis of the market.

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