

Global CT/NG Testing Market Size Study & Forecast by Product (Assays, Kits & Analyzers), Test Type (Laboratory, Point-of-care Testing) and Regional Forecasts 2022-2032

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Abstracts

The global CT/NG Testing Market was valued at approximately USD 1.85 billion in 2024 and is projected to expand at a robust compound annual growth rate (CAGR) of 8.60% over the forecast period from 2025 to 2035. CT/NG testing, which refers to the diagnostic processes for Chlamydia trachomatis and Neisseria gonorrhoeae infections, plays a critical role in sexual health management worldwide. These infections, if left untreated, can lead to severe reproductive health complications, driving the demand for precise and rapid diagnostic solutions. The market growth is propelled by rising awareness about sexually transmitted infections, government initiatives for sexual health screening, and technological advancements in diagnostic platforms.

The accelerating prevalence of sexually transmitted infections globally, combined with the growing adoption of advanced diagnostic technologies such as nucleic acid amplification tests (NAATs), polymerase chain reaction (PCR), and immunodiagnosics, has notably intensified the demand for CT/NG testing kits and analyzers. The shift towards point-of-care testing is transforming clinical workflows by enabling faster diagnosis and timely treatment, thereby reducing transmission rates and healthcare costs. Additionally, expanding healthcare infrastructure, especially in emerging economies, along with an increasing number of diagnostic laboratories and hospital-based testing facilities, fuels market expansion. However, the market growth might face headwinds due to reimbursement challenges and regulatory complexities in certain regions.

Geographically, North America dominates the CT/NG testing market, owing largely to its

well-established healthcare infrastructure, widespread adoption of cutting-edge diagnostic technologies, and robust public health initiatives targeting STI control. The U.S., in particular, accounts for a significant share due to heightened government funding and awareness campaigns. Europe follows closely, with countries like Germany, the UK, and France leading due to comprehensive sexual health programs and strong laboratory networks. The Asia Pacific region is expected to witness the fastest growth during the forecast period, driven by increasing healthcare investments, rising prevalence of STIs, and improving diagnostic capabilities in populous nations such as China and India. Latin America and the Middle East & Africa are emerging markets with growing awareness and infrastructure development contributing to steady growth.

Major market players included in this report are:

Hologic, Inc.

Roche Diagnostics

Abbott Laboratories

Becton, Dickinson and Company

Thermo Fisher Scientific Inc.

Siemens Healthineers

Quidel Corporation

BD Diagnostics

PerkinElmer, Inc.

BioMérieux SA

Ortho Clinical Diagnostics

Gen-Probe, Inc.

Alere Inc.

Biomerica, Inc.

Siemens Healthcare Diagnostics

Global CT/NG Testing 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 Product:

Assays

Kits

Analyzers

By Test Type:

Laboratory Testing

Point-of-care Testing

By Technology:

NAAT (Nucleic Acid Amplification Tests)

PCR (Polymerase Chain Reaction)

Immunodiagnosics

By End User:

Diagnostic Labs

Hospitals & Clinics

By Region:

North America

U.S.

Canada

Europe

UK

Germany

France

Spain

Italy

Rest of Europe

Asia Pacific

China

India

Japan

Australia

South Korea

Rest of Asia Pacific

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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