

# **Global Gonorrhea Diagnostic Market Size study, by Test Type (Nucleic Acid Amplification, Gram Stain, Enzyme-linked Immunosorbent Assay, Gonorrhea Culture, and Rapid Test), by Sample Type (Blood, Lymph Fluid, Urine, Throat Swab, and Penis/Vaginal Swab), by End-User (Hospitals, Pathology Labs, and Point of Care Testing) and Regional Forecasts 2022-2032**

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## **Abstracts**

The Global Gonorrhea Diagnostic Market is valued at approximately USD 8.13 billion in 2023 and is poised to grow at a compound annual growth rate (CAGR) of 8.50% during the forecast period from 2024 to 2032. Gonorrhea, a sexually transmitted bacterial infection caused by *Neisseria gonorrhoeae*, continues to be a pressing global health challenge due to rising antimicrobial resistance and asymptomatic presentations. Prompt and accurate diagnosis is essential to curb transmission, manage symptoms, and initiate effective treatment regimens. With the proliferation of advanced diagnostic modalities and increasing public health initiatives to combat STDs, the demand for sensitive, rapid, and accessible gonorrhea diagnostic solutions is witnessing a notable surge across healthcare systems worldwide.

A significant market catalyst is the escalating emphasis on early detection through comprehensive sexual health screenings. Increasing patient awareness, governmental support, and the integration of gonorrhea testing into regular health check-ups have amplified the reach of diagnostic efforts. Molecular diagnostics such as nucleic acid amplification tests (NAATs) have emerged as the gold standard, enabling high sensitivity and specificity. In parallel, innovations in point-of-care testing kits are

revolutionizing decentralized diagnostics by enabling rapid results without sophisticated laboratory infrastructure. These dynamics are fueling widespread adoption, especially in low-resource settings and rural healthcare networks.

Nonetheless, the market faces several structural and operational challenges. These include inconsistent screening protocols across nations, limited access to affordable diagnostics in low- and middle-income countries, and societal stigma around STD testing which discourages individuals from seeking early care. Moreover, technical limitations in traditional methods like Gram staining and culture techniques continue to pose diagnostic bottlenecks, especially for extragenital infections. Despite these hurdles, the growing burden of untreated infections has galvanized governments, NGOs, and private players to intensify investment in high-throughput, automated, and non-invasive diagnostic platforms.

Geographically, North America dominates the gonorrhea diagnostic landscape due to robust public health policies, comprehensive insurance coverage, and the presence of major diagnostic manufacturers. Europe follows suit, propelled by strong surveillance systems and collaborative STD screening programs across EU nations. Meanwhile, Asia Pacific is anticipated to exhibit the fastest growth during the forecast period. Countries like China and India are aggressively enhancing their public health diagnostics infrastructure, supported by rising awareness, urbanization, and international health agency support. Similarly, Latin America and the Middle East & Africa are progressively expanding access to laboratory services through mobile units and public-private partnerships.

**Major market player included in this report are:**

Thermo Fisher Scientific Inc.

Abbott Laboratories

Becton, Dickinson and Company

Roche Diagnostics

Bio-Rad Laboratories, Inc.

Cepheid (Danaher Corporation)

Siemens Healthineers

Hologic, Inc.

Quidel Corporation

bioMérieux SA

OraSure Technologies, Inc.

Qiagen N.V.

Sysmex Corporation

Gen-Probe Inc.

Trinity Biotech Plc

**The detailed segments and sub-segment of the market are explained below:**

By Test Type

Nucleic Acid Amplification

Gram Stain

Enzyme-linked Immunosorbent Assay (ELISA)

Gonorrhea Culture

Rapid Test

By Sample Type

Blood

Lymph Fluid

Urine

Throat Swab

Penis/Vaginal Swab

#### By End-User

Hospitals

Pathology Labs

Point of Care Testing

#### By Region:

##### North America

U.S.

Canada

##### Europe

UK

Germany

France

Spain

Italy

ROE

## Asia Pacific

China

India

Japan

Australia

South Korea

RoAPAC

## Latin America

Brazil

Mexico

## Middle East & Africa

Saudi Arabia

South Africa

RoMEA

## **Years considered for the study are as follows:**

Historical year – 2022

Base year – 2023

Forecast period – 2024 to 2032

### **Key Takeaways:**

Market Estimates & Forecast for 10 years from 2022 to 2032.

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.

### **Companies Mentioned**

Thermo Fisher Scientific Inc.

Abbott Laboratories

Becton, Dickinson and Company

Roche Diagnostics

Bio-Rad Laboratories, Inc.

Cepheid (Danaher Corporation)

Siemens Healthineers

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