HIV Diagnostics Market - Global Industry Size, Share, Trends, Opportunity, and Forecast, Segmented By Product (Consumables, Instruments, Software and Services), By Test Type (Antibody Tests(HIV-1 Screening Tests, HIV-1 Antibody Confirmatory Tests, HIV-2 & Group O Diagnostic Tests), Viral Load Tests, CD4 Test, Others), By Mode (Self-Test, Lab-based), By End-use (Diagnostic Laboratories, Hospitals & Clinics, Home Settings), By Region and Competition, 2020-2030F

https://marketpublishers.com/r/H2993A87DCEEEN.html
Date: April 2025
Pages: 182
Price: US$ 4,500.00 (Single User License)
ID: H2993A87DCEEEN

Abstracts

Global HIV Diagnostics market was valued at USD 4.53 billion in 2024 and is projected to reach USD 7.47 billion by 2030, growing at a compound annual growth rate (CAGR) of 8.68%. Since the emergence of AIDS in the early 1980s, the HIV diagnostics landscape has evolved significantly. Advances in diagnostic technologies, increased public awareness, and broader access to testing have all played pivotal roles in the global response to the HIV/AIDS epidemic. Today, the HIV diagnostics sector represents a dynamic and rapidly advancing industry, offering renewed hope for improved disease management and, ultimately, eradication.

HIV (Human Immunodeficiency Virus) compromises the immune system by targeting CD4 cells, critical to defending against infections. Without timely treatment, HIV can progress to AIDS (Acquired Immunodeficiency Syndrome), increasing vulnerability to opportunistic infections and certain cancers. Despite ongoing efforts, the global HIV/AIDS epidemic remains a pressing public health concern, with millions affected

worldwide. According to UNAIDS, approximately 38 million individuals were living with HIV as of 2019. While progress has been made in reducing infection rates and AIDS-related mortality, persistent challenges underscore the importance of accessible, accurate diagnostics in mitigating the virus's impact.

Market Drivers

Rising HIV Prevalence Fueling Demand for Diagnostics

The growing global prevalence of HIV/AIDS continues to be a major driver of the HIV diagnostics market. As per the World Health Organization (WHO), around 39.9 million people were living with HIV at the end of 2023, with Sub-Saharan Africa remaining the most affected region, accounting for over two-thirds of global cases. However, HIV continues to affect populations worldwide, reinforcing the universal demand for reliable diagnostic solutions.

Despite preventive measures and treatment advancements, the incidence of new HIV infections remains concerning. In 2023 alone, an estimated 1.3 million individuals acquired HIV. Contributing factors include limited access to preventive education, lack of contraceptive availability, and ongoing social stigma, which impedes testing and treatment efforts. The growing global population also means a rise in the absolute number of individuals living with HIV, thereby intensifying the need for early detection and clinical management.

Timely diagnosis is essential for initiating antiretroviral therapy (ART), which improves quality of life and reduces the risk of transmission. Early detection also helps prevent disease progression to AIDS, subsequently lowering mortality rates. In 2023, AIDS-related illnesses claimed approximately 630,000 lives worldwide. As such, the increasing burden of HIV has bolstered the demand for robust diagnostic tools, reinforcing their role in treatment planning, prevention, and public health management.

Market Challenges

Barriers to Accessibility and Awareness

Despite advancements, significant challenges persist, particularly in low- and middle-income countries where healthcare systems often lack the resources necessary for effective HIV diagnosis. In many rural and underserved areas, diagnostic services are limited due to poor infrastructure, inadequate transportation, and a shortage of trained medical personnel. These systemic gaps lead to late diagnoses and delayed treatment initiation.

Even in areas where diagnostic tools are available, factors such as inconsistent electricity supply, inadequate refrigeration for test kits, and substandard sanitary conditions compromise test accuracy. Moreover, social stigma, fear of discrimination, and misinformation continue to deter individuals from seeking testing. Misperceptions about personal risk and reluctance to discuss sexual health further hinder diagnosis efforts. In regions where comprehensive sex education is lacking, knowledge gaps contribute to the continued spread of HIV.

Cultural and language barriers, as well as insufficiently localized public health campaigns, further limit the effectiveness of outreach programs. Bridging these gaps requires a multifaceted strategy, including investment in healthcare infrastructure, community-based awareness initiatives, and integration of HIV testing into routine healthcare services. Closing the accessibility and awareness gap is crucial for improving early detection and reducing global HIV transmission rates.

Market Trends

Technological Innovation Driving Market Expansion

The HIV diagnostics market has been notably influenced by continuous advancements in testing technologies. One of the most transformative developments has been the rise of point-of-care testing (POCT) devices. These portable tools deliver rapid results—often within 30 minutes—enabling immediate clinical action and reducing transmission risks. POCT has been particularly valuable in resource-constrained environments lacking advanced laboratory infrastructure.

Nucleic acid testing (NAT) has further enhanced diagnostic accuracy by detecting the virus's genetic material directly, allowing for earlier identification and minimizing false-negative results. In parallel, next-generation sequencing (NGS) technologies have facilitated deeper understanding of HIV strain diversity, which is vital given the virus’s high mutation rate. This knowledge supports the development of more targeted diagnostics and therapies.

Modern serological assays, such as chemiluminescence immunoassays and multiplex bead-based platforms, offer improved sensitivity and specificity. These tests can differentiate between HIV-1 and HIV-2 and are less susceptible to false positives.

+357 96 030922
info@marketpublishers.com

Key Market Players

Thermo Fisher Scientific, Inc.

Alere Inc.

Abbott Laboratories inc.

Bristol-Myers Squibb Company

Janssen Global Services, LLC

Gilead Sciences, Inc.

Merck & Co. Inc.

VIIV Healthcare

Beckman Coulter, Inc.

Sysmex Europe SE

Zyomtronix, Inc.

Mylan N.V.

F. Hoffmann-La Roche Ltd.

Siemens Healthcare GmbH

Report Scope:

In this report, the Global HIV Diagnostics Market has been segmented into the following categories, in addition to the industry trends which have also been detailed below:

HIV Diagnostics Market, By Product:

+357 96 030922
info@marketpublishers.com

Consumables

Instruments

Software and Services

HIV Diagnostics Market, By Test Type:

Antibody Tests

Viral Load Tests

CD4 Test

Others

HIV Diagnostics Market, By Mode:

Self-Test

Lab-based

HIV Diagnostics Market, By End-use:

Diagnostic Laboratories

Hospitals & Clinics

Home Settings

HIV Diagnostics Market, By Region:

North America

United States

Canada

Mexico

+357 96 030922
info@marketpublishers.com

Europe

France

United Kingdom

Italy

Germany

Spain

Asia-Pacific

China

India

Japan

Australia

South Korea

South America

Brazil

Argentina

Colombia

Middle East & Africa

South Africa

Saudi Arabia

+357 96 030922
info@marketpublishers.com

UAE

Competitive Landscape

Company Profiles: Detailed analysis of the major companies present in the Global HIV Diagnostics Market.

Available Customizations:

Global HIV Diagnostics market report with the given market data, TechSci Research offers customizations according to a company's specific needs. The following customization options are available for the report:

Company Information

Detailed analysis and profiling of additional market players (up to five).

+357 96 030922
info@marketpublishers.com

Contents

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

7. EUROPE HIV DIAGNOSTICS MARKET OUTLOOK

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

I would like to order

Product name: HIV Diagnostics Market - Global Industry Size, Share, Trends, Opportunity, and Forecast, Segmented By Product (Consumables, Instruments, Software and Services), By Test Type (Antibody Tests(HIV-1 Screening Tests, HIV-1 Antibody Confirmatory Tests, HIV-2 & Group O Diagnostic Tests), Viral Load Tests, CD4 Test, Others), By Mode (Self-Test, Lab-based), By End-use (Diagnostic Laboratories, Hospitals & Clinics, Home Settings), By Region and Competition, 2020-2030F

Product link: https://marketpublishers.com/r/H2993A87DCEEEN.html

Price: US$ 4,500.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:
info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page https://marketpublishers.com/r/H2993A87DCEEEN.html