

# **Global Fusion Biopsy Market Size Study, by Biopsy Route (Transrectal, Transperineal), by End-use (Hospitals, Diagnostic Centers, Ambulatory Care Centers), and Regional Forecasts 2022-2032**

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## **Abstracts**

The global fusion biopsy market, valued at approximately USD 618.8 million in 2023, is poised for substantial growth, projected to expand at a compound annual growth rate (CAGR) of 8.6% from 2024 to 2032. Fusion biopsy, a cutting-edge diagnostic technique, integrates real-time ultrasound imaging with pre-acquired MRI data to enhance the precision of biopsies, particularly for detecting prostate cancer. This method offers a significant improvement over traditional biopsy techniques by providing more accurate targeting of suspicious tissue, thereby reducing unnecessary biopsies and enhancing the detection rate of clinically significant cancers.

Several factors are driving the growth of the fusion biopsy market. The rising prevalence of prostate cancer globally is one of the most critical drivers. As prostate cancer diagnosis becomes more prevalent, the demand for advanced diagnostic tools, such as fusion biopsy systems, continues to grow. Furthermore, technological advancements in imaging and biopsy techniques are propelling the market forward. The integration of MRI with ultrasound not only enhances biopsy accuracy but also reduces patient discomfort, making the procedure less invasive and more acceptable to patients and healthcare providers alike. Moreover, increased investment in healthcare infrastructure, especially in developing regions, is further bolstering market growth. Governments and private sectors are investing heavily in upgrading and expanding healthcare facilities, which includes the adoption of advanced diagnostic equipment like fusion biopsy systems. This trend is particularly evident in emerging markets, where the development of healthcare infrastructure is rapidly progressing, presenting significant opportunities for market expansion. However, the market also faces challenges, particularly the high

cost associated with fusion biopsy equipment and procedures. The advanced technology used in these systems makes them expensive, which can limit their adoption, especially in cost-sensitive markets or regions with constrained healthcare budgets. Additionally, the need for specialized training to operate fusion biopsy systems poses another hurdle, particularly in developing regions where healthcare professionals may lack the necessary expertise.

Geographically, North America dominated the global fusion biopsy market in 2023, accounting for a revenue share of 41.90%. The region's dominance is expected to continue throughout the forecast period, driven by the presence of key players, the high incidence of prostate cancer, and a well-developed healthcare infrastructure. Meanwhile, the Asia Pacific region is anticipated to experience the fastest market growth, fueled by the rapid development of healthcare infrastructure, increasing awareness of prostate cancer, and rising adoption of advanced diagnostic technologies.

Major market players included in this report are:

Eigen Health

Koninklijke Philips N.V.

Hitachi, Ltd.

MedCom

ESAOTE SpA

KOELIS

Focal Healthcare

UC-Care Medical Systems Ltd.

GeoScan Medical

Company 10

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

By Biopsy Route:

Transrectal

Transperineal

By End-use:

Hospitals

Diagnostic Centers

Ambulatory Care Centers

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

RoLA

## 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.

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