

Global Multiplex Biomarker Imaging Market Size Study, by Component Type (Instruments, Software, Services), by Imaging Technique (Immunohistochemistry (IHC) Assay, Fluorescent in Situ Hybridization (FISH) Assay, Tissue Microarray (TMA) Assay), by Application (Research, Clinical Diagnostics), by End User (Translation Laboratories, Biopharmaceutical Companies, Academic Institutes) and Regional Forecasts 2022-2032

<https://marketpublishers.com/r/G79944FD9C46EN.html>

Date: August 2024

Pages: 200

Price: US\$ 4,950.00 (Single User License)

ID: G79944FD9C46EN

Abstracts

Global Multiplex Biomarker Imaging Market is valued at approximately USD 532.8 million in 2023 and is anticipated to grow with a healthy growth rate of more than 10.86% over the forecast period 2024-2032. Multiplex biomarker imaging is an advanced technique that allows simultaneous visualization of multiple biomarkers within a single tissue sample. By using different fluorescent or chemical labels, this method can identify and quantify various proteins, nucleic acids, or other molecules of interest, providing comprehensive spatial and molecular information. It is particularly valuable in research and clinical diagnostics for understanding complex biological processes, such as cancer, immune responses, and tissue heterogeneity, by revealing the intricate interactions between different cellular components in their native environment. The Global Multiplex Biomarker Imaging Market is driven by growing focus on personalized medicine mandates advanced imaging tools to customize therapies to individual patient profiles. Increased investment in biomedical research and healthcare infrastructure, along with strategic collaborations and partnerships, are expected to drive industry growth by fostering innovation and broadening application areas. In addition, technological advancements in high throughput imaging systems have

revolutionized the simultaneous study of multiple biomarkers with exceptional precision, thereby enhancing diagnostic accuracy and efficiency. The rising prevalence of complex diseases such as cancer and neurological disorders necessitates extensive biomarker analysis, which is crucial for developing targeted therapeutics. However, high cost of imaging systems is going to impede the overall demand for the market during the forecast period 2024-2032.

The key regions considered for the market study includes Asia Pacific, North America, Europe, Latin America, and Rest of the World. In 2023, North America was the largest region in the multiplex biomarker imaging market driven by an upsurge in clinical research on chronic diseases and various cancer types in the region. The Asia-Pacific region is anticipated to be the fastest-growing during the forecast period, fueled by rapid advancements in healthcare infrastructure and increasing research activities.

Major market players included in this report are:

PerkinElmer Inc.

Thermo Fisher Scientific, Inc.

Bio-Rad Laboratories, Inc.

Abcam plc.

Merck KGaA

Illumina Inc.

Leica BiosystemsNussloch GmbH

Ventana Medical Systems, Inc.

AushonBioSystems Ltd.

MicroConstants, Inc.

ToposNomos Ltd.

Agilent Technologies, Inc.

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

By Component Type:

- Instruments
- Software
- Services

By Imaging Technique:

- Immunohistochemistry (IHC) Assay
- Fluorescent in Situ Hybridization (FISH) Assay
- Tissue Microarray (TMA) Assay

By Application:

- Research
- Clinical Diagnostics

By End User:

- Translation Laboratories
- Biopharmaceutical Companies
- Academic Institutes

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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