

# **Rare Biomarkers Specimen Collection and Stabilization Market Size, Trends, Analysis, and Outlook By Biomarker (Circulating Cell Free DNA, Circulating Tumor Cells, Exosomes/Extracellular Vesicles, Circulating Cell Free RNA (ccfRNA) / miRNA)), By Application (NIPT, Oncology, Transcriptomics, Pharmacogenomics, Transplant Rejection, Population Screening, Cardiovascular Diseases, Others), By End-User (Research, Diagnostics), by Region, Country, Segment, and Companies, 2024-2030**

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## **Abstracts**

The global Rare Biomarkers Specimen Collection and Stabilization market size is poised to register 11.63% growth from 2024 to 2030, presenting significant growth prospects for companies operating in the industry. The industry study analyzes the global Rare Biomarkers Specimen Collection and Stabilization market across By Biomarker (Circulating Cell Free DNA, Circulating Tumor Cells, Exosomes/Extracellular Vesicles, Circulating Cell Free RNA (ccfRNA) / miRNA)), By Application (NIPT, Oncology, Transcriptomics, Pharmacogenomics, Transplant Rejection, Population Screening, Cardiovascular Diseases, Others), By End-User (Research, Diagnostics).

The Rare Biomarkers Specimen Collection and Stabilization Market is witnessing growth driven by increasing demand for biomarker discovery and personalized medicine, rising investment in biobanking and specimen repositories, and advancements in specimen collection and stabilization technologies. Rare biomarkers,

including genetic, protein, and metabolite markers, play a crucial role in disease diagnosis, prognosis, and treatment response prediction. Key trends include the development of specimen collection devices and kits for non-invasive sample collection and preservation, integration of stabilization agents and storage solutions for long-term specimen viability and integrity, and customization of specimen collection protocols for specific biomarker analysis workflows and clinical research applications. Additionally, increasing collaboration between biotech companies and academic research institutions, expansion of biorepository networks and sample sharing initiatives, and regulatory approvals for novel biomarker assays and diagnostic tests contribute to market growth.

### Rare Biomarkers Specimen Collection and Stabilization Market Drivers, Trends, Opportunities, and Growth Opportunities

This comprehensive study discusses the latest trends and the most pressing challenges for industry players and investors. The Rare Biomarkers Specimen Collection and Stabilization market research analyses the global market trends, key drivers, challenges, and opportunities in the industry. In addition, the latest Future of Rare Biomarkers Specimen Collection and Stabilization survey report provides the market size outlook across types, applications, and other segments across the world and regions. It provides data-driven insights and actionable recommendations for companies in the Rare Biomarkers Specimen Collection and Stabilization industry.

### Key market trends defining the global Rare Biomarkers Specimen Collection and Stabilization demand in 2024 and Beyond

The industry continues to remain an attractive hub for opportunities for both domestic and global vendors. As the market evolves, factors such as emerging market dynamics, demand from end-user sectors, a growing patient base, changes in consumption patterns, and widening distribution channels continue to play a major role.

### Rare Biomarkers Specimen Collection and Stabilization Market Segmentation- Industry Share, Market Size, and Outlook to 2030

The Rare Biomarkers Specimen Collection and Stabilization industry comprises a wide range of segments and sub-segments. The rising demand for these product types and applications is supporting companies to increase their investment levels across niche segments. Accordingly, leading companies plan to generate a large share of their future revenue growth from expansion into these niche segments. The report presents the

market size outlook across segments to support Rare Biomarkers Specimen Collection and Stabilization companies scaling up production in these sub-segments with a focus on expanding into emerging countries.

Key strategies adopted by companies within the Rare Biomarkers Specimen Collection and Stabilization industry

Leading Rare Biomarkers Specimen Collection and Stabilization companies are boosting investments to capitalize on untapped potential and future possibilities across niche market segments and surging demand conditions in key regions. Further, companies are leveraging advanced technologies to unlock opportunities and achieve operational excellence. The report provides key strategies opted for by the top 10 Rare Biomarkers Specimen Collection and Stabilization companies.

Rare Biomarkers Specimen Collection and Stabilization Market Study- Strategic Analysis Review

The Rare Biomarkers Specimen Collection and Stabilization market research report dives deep into the qualitative factors shaping the market, empowering you to make informed decisions-

**Industry Dynamics:** Porter's Five Forces analysis to understand bargaining power, competitive rivalry, and threats that impact long-term strategy formulation.

**Strategic Insights:** Provides valuable perspectives on key players and their approaches based on comprehensive strategy analysis.

**Internal Strengths and Weaknesses:** Develop targeted strategies to leverage strengths, address weaknesses, and capitalize on market opportunities.

**Future Possibilities:** Prepare for diverse outcomes with in-depth scenario analysis. Explore potential market disruptions, technology advancements, and economic changes.

Rare Biomarkers Specimen Collection and Stabilization Market Size Outlook- Historic and Forecast Revenue in Three Cases

The Rare Biomarkers Specimen Collection and Stabilization industry report provides a detailed analysis and outlook of revenue generated by companies from 2018 to 2023. Further, with actual data for 2023, the report forecasts the market size outlook from 2024 to 2030 in three case scenarios- low case, reference case, and high case scenarios.

### Rare Biomarkers Specimen Collection and Stabilization Country Analysis and Revenue Outlook to 2030

The report analyses 22 countries worldwide including the key driving forces and market size outlook from 2021 to 2030. In addition, region analysis across Asia Pacific, Europe, the Middle East, Africa, North America, and South America is included in the study. For each of the six regions, the market size outlook by segments is forecast for 2030.

### North America Rare Biomarkers Specimen Collection and Stabilization Market Size Outlook- Companies plan for focused investments in a changing environment

The US continues to remain the market leader in North America, driven by a large consumer base, the presence of well-established providers, and a strong end-user industry demand. Leading companies focus on new product launches in the changing environment. The US economy is expected to grow in 2024 (around 2.2% growth in 2024), potentially driving demand for various Rare Biomarkers Specimen Collection and Stabilization market segments. Similarly, Strong end-user demand is encouraging Canadian Rare Biomarkers Specimen Collection and Stabilization companies to invest in niche segments. Further, as Mexico continues to strengthen its trade relations and invest in technological advancements, the Mexico Rare Biomarkers Specimen Collection and Stabilization market is expected to experience significant expansion, offering lucrative opportunities for both domestic and international stakeholders.

### Europe Rare Biomarkers Specimen Collection and Stabilization Market Size Outlook- Companies investing in assessing consumers, categories, competitors, and capabilities

The German industry remains the major market for companies in the European Rare Biomarkers Specimen Collection and Stabilization industry with consumers in Germany, France, the UK, Spain, Italy, and others anticipated to register a steady demand throughout the forecast period, driving the overall market prospects. In addition, the proactive approach of businesses in identifying and leveraging new growth prospects positions the European Rare Biomarkers Specimen Collection and Stabilization market for an upward trajectory, fostering both domestic and international interest. Leading

brands operating in the industry are emphasizing effective marketing strategies, innovative product offerings, and a keen understanding of consumer preferences.

**Asia Pacific Rare Biomarkers Specimen Collection and Stabilization Market Size Outlook-** an attractive hub for opportunities for both local and global companies

The increasing prevalence of indications, robust healthcare expenditure, and increasing investments in healthcare infrastructure drive the demand for Rare Biomarkers Specimen Collection and Stabilization in Asia Pacific. In particular, China, India, and South East Asian Rare Biomarkers Specimen Collection and Stabilization markets present a compelling outlook for 2030, acting as a magnet for both domestic and multinational manufacturers seeking growth opportunities. Similarly, with a burgeoning population and a rising middle class, India offers a vast consumer market. Japanese and Korean companies are quickly aligning their strategies to navigate changes, explore new markets, and enhance their competitive edge. Our report utilizes in-depth interviews with industry experts and comprehensive data analysis to provide a comprehensive outlook of 6 major markets in the region.

**Latin America Rare Biomarkers Specimen Collection and Stabilization Market Size Outlook-** Continued urbanization and rising income levels

Rising income levels contribute to greater purchasing power among consumers, spurring consumption and creating opportunities for market expansion. Continued urbanization and rising income levels are expected to sustainably drive consumption growth in the medium to long term.

**Middle East and Africa Rare Biomarkers Specimen Collection and Stabilization Market Size Outlook-** continues its upward trajectory across segments

Robust demand from Middle Eastern countries including Saudi Arabia, the UAE, Qatar, Kuwait, and other GCC countries supports the overall Middle East Rare Biomarkers Specimen Collection and Stabilization market potential. Fueled by increasing healthcare expenditure of individuals, growing population, and high prevalence across a few markets drives the demand for Rare Biomarkers Specimen Collection and Stabilization.

**Rare Biomarkers Specimen Collection and Stabilization Market Company Profiles**

The global Rare Biomarkers Specimen Collection and Stabilization market is characterized by intense competitive conditions with leading companies opting for

aggressive marketing to gain market shares. The report presents business descriptions, SWOT analysis, growth strategies, and financial profiles. Leading companies included in the study are Agilent Technologies Inc, Bio-Rad Laboratories Inc, Charles River Laboratories, Eurofins Scientific, F. Hoffmann-La Roche Ltd, Merck KGaA, PerkinElmer Inc, QIAGEN, Siemens Healthcare GmbH, Thermofischer Scientific Inc

## Recent Rare Biomarkers Specimen Collection and Stabilization Market Developments

The global Rare Biomarkers Specimen Collection and Stabilization market study presents recent market news and developments including new product launches, mergers, acquisitions, expansions, product approvals, and other updates in the industry.

## Rare Biomarkers Specimen Collection and Stabilization Market Report Scope

Parameters: Revenue, Volume Price

Study Period: 2023 (Base Year); 2018- 2023 (Historic Period); 2024- 2030 (Forecast Period)

Currency: USD; (Upon request, can be provided in Euro, JPY, GBP, and other Local Currency)

## Qualitative Analysis

Pricing Analysis

Value Chain Analysis

SWOT Profile

Market Dynamics- Trends, Drivers, Challenges

Porter's Five Forces Analysis

Macroeconomic Impact Analysis

Case Scenarios- Low, Base, High

Market Segmentation:

By Biomarker

Circulating Cell Free DNA

Circulating Tumor Cells

Exosomes/Extracellular Vesicles

Circulating Cell Free RNA (ccfRNA) / miRNA

By Exosomes/Extracellular Vesicles

Product

-Isolation Kits & Reagents

-Blood Collection Tubes

-Systems

Specimen Type

-Serum/Plasma

-Others

Nucleic Acid & Others

-RNA

-DNA

-Others

By Circulating Cell Free RNA/miRNA

Product

-Isolation Kits & Reagents

-Blood Collection Tubes

By Application

NIPT

Oncology

Transcriptomics

Pharmacogenomics

Transplant Rejection

Population Screening

Cardiovascular Diseases

Others

By End-User

Research

-Research Labs/CROs

-Academic Institutes

Diagnostics

-Laboratories

-Hospitals

-Prenatal Clinics



## Geographical Segmentation:

North America (3 markets)

Europe (6 markets)

Asia Pacific (6 markets)

Latin America (3 markets)

Middle East Africa (5 markets)

## Companies

Agilent Technologies Inc

Bio-Rad Laboratories Inc

Charles River Laboratories

Eurofins Scientific

F. Hoffmann-La Roche Ltd

Merck KGaA

PerkinElmer Inc

QIAGEN

Siemens Healthcare GmbH

ThermoFischer Scientific Inc

Formats Available: Excel, PDF, and PPT

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Circulating Cell Free DNA

Circulating Tumor Cells

Exosomes/Extracellular Vesicles

Circulating Cell Free RNA (ccfRNA) / miRNA

#### By Exosomes/Extracellular Vesicles

##### Product

-Isolation Kits & Reagents

-Blood Collection Tubes

-Systems

##### Specimen Type

-Serum/Plasma

-Others

##### Nucleic Acid & Others

-RNA

-DNA

-Others

#### By Circulating Cell Free RNA/miRNA

##### Product

-Isolation Kits & Reagents

-Blood Collection Tubes

#### By Application

NIPT

Oncology

Transcriptomics

Pharmacogenomics

Transplant Rejection

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Bio-Rad Laboratories Inc

Charles River Laboratories

Eurofins Scientific

F. Hoffmann-La Roche Ltd

Merck KGaA

PerkinElmer Inc

QIAGEN

Siemens Healthcare GmbH

ThermoFischer Scientific Inc

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