

Rare Biomarkers Specimen Collection And Stabilization Market Size, Share, & Trends Analysis Report By Biomarker & Product (Tubes, Isolation Kits), By End Use, By Region, And Segment Forecasts, 2020 - 2027

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Abstracts

The global rare biomarkers specimen collection and stabilization market size is expected to reach USD 60.7 billion by 2027, expanding at a CAGR of 10.6% over the forecast period, according to a new report by Grand View Research, Inc. Expanding potential applications of circulating rare biomarkers has created lucrative opportunities for the technology developers that are engaged in the introduction of products to support the effective and rapid collection and stabilization of these rare biomarkers specimen. Furthermore, the emergence of liquid biopsy for cancer screening, diagnosis, prognosis, and treatment monitoring has significantly enhanced the competition and capabilities in the market for rare biomarkers specimen collection and stabilization, thereby aiding in revenue growth.

Given the potential of circulating biomarkers, both as high-value therapy delivery systems and as potential diagnostics, researchers are adopting more sensitive, rapid, and flexible analytical tools. Key players are developing novel technologies and products for collection and stabilization of these rare biomarkers specimen to expand research possibilities. Despite a substantial number of advantages, there are still challenges to overcome their clinical application.

Although most of the isolation methods are highly specific and sensitive, thus far, there is lack of sufficient evidence on the use and efficacy of the products in clinical samples. This hampers the clinical use of rare biomarkers specimen because differences in analytical sensitivity between these methods play a very crucial role. However, an

increase in studies on the clinical utility of these rare biomarkers specimen is anticipated to effectively address the clinical implementation-related challenges.

Further key findings from the report suggest:

Currently, cfDNA and CTCs have collectively accounted for the major revenue share in 2019

Presence of commercially approved products for clinical-use is one of the high impact rendering drivers for these segments

Circulating RNA-based biomarkers are estimated to account for the lowest market penetration owing to the absence of commercial products for clinical practice

Furthermore, isolation of circulating RNAs poses challenges with regard to the purity and quality of samples. This has hampered the revenue growth of this segment to a considerable extent

The frequent purchase rate and wide availability of commercial products has led to the large revenue share of isolation kits and reagents under exosomes/extracellular vesicles and Circulating Cell Free RNA (ccfRNA) / miRNA segments

Relatively less usage and purchase rate along with low product penetration of blood collection tubes in this space has slowed revenue growth in this segment

In 2019, oncology was estimated as the key application under exosomes/extracellular vesicles and Circulating Cell Free RNA (ccfRNA) / miRNA collection and stabilization segment

Presence of approved liquid biopsy tests coupled with an exponential increase in cancer-related research programs has contributed to the dominance of the oncology segment

Research entities were the key end-users of the market for rare biomarkers specimen collection and stabilization in 2019 due to the presence of a relatively high number of products for research use

North America led the market owing to the presence of key biotechnology and diagnostic laboratories in U.S.

Furthermore, defined regulatory structure for approval of novel assays has also contributed to the large share of this region

Some players operating in the rare biomarkers specimen collection and stabilization market are QIAGEN; Bio-Techne Corporation; Biocept, Inc.; GILUPI GmbH; and Norgen Biotek Corp

Key players are implementing various strategies to strengthen their product portfolios and offer diverse technologically advanced isolation products across various end-use settings.

Contents

CHAPTER 1 EXECUTIVE SUMMARY

1.1 Market Summary

CHAPTER 2 RESEARCH METHODOLOGY

2.1 Information Procurement

2.2 Information or Data Analysis

2.3 Market Scope & Segment Definition

2.3.1 Biomarker & Products

2.3.1.1 Circulating Cell-Free DNA (ccfDNA)

2.3.1.2 Circulating Tumor Cells (CTCs)

2.3.1.3 Exosomes/Extracellular Vesicles

2.3.1.4 Circulating Cell Free RNA (ccfRNA)/miRNA

2.3.2 End Use

2.3.2.1 Research

2.3.2.2 Diagnostics

2.4 Market Model

2.4.1 Ancillary market study

2.4.1.1 CTC market, by technology

2.4.1.2 CTC market, by product

2.4.1.3 CTCs market, by application

2.4.2 Rare biomarkers specimen collection & stabilization market study

2.4.2.1 Market study, by biomarkers

2.4.2.2 Exosomes & ccfRNA/miRNA, by product, specimen, nucleic acid, & application

2.4.3 Market study, by end use

2.4.4 Regional analysis

CHAPTER 3 MARKET VARIABLES, TRENDS & SCOPE

3.1 Market segmentation

3.2 Rare Biomarkers Specimen Collection & Stabilization Market: Industry Pyramid Analysis

3.3 Penetration and Growth Prospect Mapping for Biomarker, 2019

3.4 Market Dynamics

3.4.1 Market driver analysis

- 3.4.1.1 Technological advancements in biomarker isolation
- 3.4.2 Expanding applications of rare biomarkers specimen
- 3.4.3 Growing awareness About early and rapid cancer diagnosis
- 3.4.4 Rise in investments in liquid biopsy and prenatal tests
- 3.5 Market Restraint Analysis
 - 3.5.1 Technical challenges in biomarker isolation
 - 3.5.2 Challenges associated with clinical implementation
- 3.6 Market Opportunity Analysis
 - 3.6.1 Growth in government and non-government initiatives for exosome research
- 3.7 Pricing Analysis
 - 3.7.1 Conclusion
- 3.8 Technology Mapping
- 3.9 SWOT analysis, by factor (Political & legal, economic, and technological)
- 3.10 Porter's Five Forces Analysis
- 3.11 Major deals and strategic alliances analysis
 - 3.11.1 New product launch
 - 3.11.2 Mergers and acquisitions
 - 3.11.3 Partnerships

CHAPTER 4 BIOMARKER & PRODUCT BUSINESS ANALYSIS

- 4.1 Market: Biomarker & Product Movement Analysis
- 4.2 Circulating Cell Free DNA (ccfDNA)
 - 4.2.1 Market, 2015 - 2027 (USD Million)
- 4.3 Circulating Tumor Cells (CTC)
 - 4.3.1 Market, 2015 - 2027 (USD Million)
- 4.4 Exosomes/Extracellular Vesicles
 - 4.4.1 Market, 2015 - 2027 (USD Million)
 - 4.4.2 Exosomes/extracellular vesicles collection & stabilization market, by product
 - 4.4.2.1 Isolation kits & reagents
 - 4.4.2.1.1 Market for exosomes/extracellular vesicles collection & stabilization, 2015 - 2027 (USD Million)
 - 4.4.2.2 Blood collection tubes
 - 4.4.2.2.1 Market for exosomes/extracellular vesicles collection & stabilization, 2015 - 2027 (USD Million)
 - 4.4.2.3 Systems
 - 4.4.2.3.1 Market for exosomes/extracellular vesicles collection & stabilization, 2015 - 2027 (USD Million)
 - 4.4.3 Market, By specimen

- 4.4.3.1 Serum/Plasma
 - 4.4.3.1.1 Market, 2015 - 2027 (USD Million)
- 4.4.3.2 Other specimens
 - 4.4.3.2.1 Market, 2015 - 2027 (USD Million)
- 4.4.4 Exosomes/extracellular vesicles collection & stabilization market, By nucleic acid
 - 4.4.4.1 RNA
 - 4.4.4.1.1 Market, 2015 - 2027 (USD Million)
 - 4.4.4.2 DNA
 - 4.4.4.2.1 Market, 2015 - 2027 (USD Million)
 - 4.4.4.3 Other component
 - 4.4.4.3.1 Market, 2015 - 2027 (USD Million)
- 4.4.5 Exosomes/extracellular vesicles collection & stabilization market, by application
 - 4.4.5.1 NIPT (research)
 - 4.4.5.1.1 Market for NIPT (research), 2015 - 2027 (USD Million)
 - 4.4.5.2 Oncology (research and diagnostics)
 - 4.4.5.2.1 Market for oncology (research and diagnostics), 2015 - 2027 (USD Million)
 - 4.4.5.2.2 Oncology (research)
 - 4.4.5.2.2.1 Market for oncology (research), 2015 - 2027 (USD Million)
 - 4.4.5.2.3 Oncology (diagnostics)
 - 4.4.5.2.3.1 Market for oncology (diagnostics), 2015 - 2027 (USD Million)
 - 4.4.5.2.3.2 Oncology screening
 - 4.4.5.2.3.3 Market for oncology screening, 2015 - 2027 (USD Million)
 - 4.4.5.2.3.4 Treatment monitoring
 - 4.4.5.2.3.5 Market for treatment monitoring, 2015 - 2027 (USD Million)
 - 4.4.5.3 Transcriptomics (research)
 - 4.4.5.3.1 Market for transcriptomics (research), 2015 - 2027 (USD Million)
 - 4.4.5.4 Pharmacogenomics (research)
 - 4.4.5.4.1 Market for pharmacogenomics (research), 2015 - 2027 (USD Million)
 - 4.4.5.5 Transplant rejection (research)
 - 4.4.5.5.1 Market for transplant rejection (research), 2015 - 2027 (USD Million)
 - 4.4.5.6 Population screening (research)
 - 4.4.5.6.1 Market for Population screening (research), 2015 - 2027 (USD Million)
 - 4.4.5.7 Cardiovascular diseases (research)
 - 4.4.5.7.1 Market for Cardiovascular diseases (research), 2015 - 2027 (USD Million)
 - 4.4.5.8 Other applications
 - 4.4.5.8.1 Market for other applications (research), 2015 - 2027 (USD Million)
- 4.5 Circulating Cell Free RNA (ccfRNA) / miRNA
 - 4.5.1 Market, 2015 - 2027 (USD Million)
 - 4.5.2 Market, By Product

4.5.2.1 Isolation kits & reagents

4.5.2.1.1 Market for Circulating Cell Free RNA (ccfRNA) / miRNA collection & stabilization, 2015 - 2027 (USD Million)

4.5.2.2 Blood collection tubes

4.5.2.2.1 Market for Circulating Cell Free RNA (ccfRNA) / miRNA collection & stabilization, 2015 - 2027 (USD Million)

4.5.3 Market, by application

4.5.3.1 NIPT (research)

4.5.3.1.1 Market for NIPT (research), 2015 - 2027 (USD Million)

4.5.3.2 Oncology (research)

4.5.3.2.1 Market for oncology (research), 2015 - 2027 (USD Million)

4.5.3.3 Transcriptomics (research)

4.5.3.3.1 Market for transcriptomics (research), 2015 - 2027 (USD Million)

4.5.3.4 Pharmacogenomics (research)

4.5.3.4.1 Market for Pharmacogenomics (research), 2015 - 2027 (USD Million)

4.5.3.5 Transplant rejection (research)

4.5.3.5.1 Market for Transplant rejection (research), 2015 - 2027 (USD Million)

4.5.3.6 Population screening (research)

4.5.3.6.1 Market for Population screening (research), 2015 - 2027 (USD Million)

4.5.3.7 Cardiovascular diseases (research)

4.5.3.7.1 Market for Cardiovascular diseases (research), 2015 - 2027 (USD Million)

4.5.3.8 Other applications

4.5.3.8.1 Market for other applications (research), 2015 - 2027 (USD Million)

CHAPTER 5 END-USE BUSINESS ANALYSIS

5.1 Market: End-use Movement Analysis

5.2 Research

5.2.1 Market for research, 2015 - 2027 (USD Million)

5.2.2 Research Labs/CROs

5.2.2.1 Market for research Labs/CROs, 2015 - 2027 (USD Million)

5.2.3 Academic Institutes

5.2.3.1 Market for Academic Institutes, 2015 - 2027 (USD Million)

5.3 Diagnostics

5.3.1 Market for diagnostics, 2015 - 2027 (USD Million)

5.3.2 Laboratories

5.3.2.1 Market for laboratories, 2015 - 2027 (USD Million)

5.3.3 Hospitals

5.3.3.1 Market for hospitals, 2015 - 2027 (USD Million)

5.3.4 Prenatal clinic

5.3.4.1 Market for prenatal clinics, 2015 - 2027 (USD Million)

CHAPTER 6 REGIONAL BUSINESS ANALYSIS

6.1 Market: Regional Movement Analysis

6.2 North America

6.2.1 Market estimates and forecast, 2015 - 2027 (USD Million)

6.2.2 U.S.

6.2.2.1 Market estimates and forecast, by biomarker & product, 2015 - 2027 (USD Million)

6.2.2.2 Market estimates and forecast, by end use, 2015 - 2027 (USD Million)

6.2.3 Canada

6.2.3.1 Market estimates and forecast, by biomarker & product, 2015 - 2027 (USD Million)

6.2.3.2 Market estimates and forecast, by end use, 2015 - 2027 (USD Million)

6.3 Europe

6.3.1 Europe rare biomarkers specimen collection & stabilization market estimates and forecast, 2015 - 2027 (USD Million)

6.3.2 Germany

6.3.2.1 Germany rare biomarkers specimen collection & stabilization market estimates and forecast, by biomarker & product, 2015 - 2027 (USD Million)

6.3.2.2 Germany rare biomarkers specimen collection & stabilization market estimates and forecast, by end use, 2015 - 2027 (USD Million)

6.3.3 U.K.

6.3.3.1 U.K. rare biomarkers specimen collection & stabilization market estimates and forecast, by biomarker & product, 2015 - 2027 (USD Million)

6.3.3.2 U.K. rare biomarkers specimen collection & stabilization market estimates and forecast, by end use, 2015 - 2027 (USD Million)

6.3.4 Spain

6.3.4.1 Spain rare biomarkers specimen collection & stabilization market estimates and forecast, by biomarker & product, 2015 - 2027 (USD Million)

6.3.4.2 Spain rare biomarkers specimen collection & stabilization market estimates and forecast, by end use, 2015 - 2027 (USD Million)

6.3.5 France

6.3.5.1 France rare biomarkers specimen collection & stabilization market estimates and forecast, by biomarker & product, 2015 - 2027 (USD Million)

6.3.5.2 France rare biomarkers specimen collection & stabilization market estimates and forecast, by end use, 2015 - 2027 (USD Million)

6.3.6 Italy

6.3.6.1 Italy rare biomarkers specimen collection & stabilization market estimates and forecast, by biomarker & product, 2015 - 2027 (USD Million)

6.3.6.2 Italy rare biomarkers specimen collection & stabilization market estimates and forecast, by end use, 2015 - 2027 (USD Million)

6.3.7 Netherlands

6.3.7.1 Netherlands rare biomarkers specimen collection & stabilization market estimates and forecast, by biomarker & product, 2015 - 2027 (USD Million)

6.3.7.2 Netherlands rare biomarkers specimen collection & stabilization market estimates and forecast, by end use, 2015 - 2027 (USD Million)

6.4 Asia Pacific

6.4.1 Asia Pacific rare biomarkers specimen collection & stabilization market estimates and forecast, 2015 - 2027 (USD Million)

6.4.2 Japan

6.4.2.1 Japan rare biomarkers specimen collection & stabilization market estimates and forecast, by biomarker & product, 2015 - 2027 (USD Million)

6.4.2.2 Japan rare biomarkers specimen collection & stabilization market estimates and forecast, by end use, 2015 - 2027 (USD Million)

6.4.3 China

6.4.3.1 China rare biomarkers specimen collection & stabilization market estimates and forecast, by biomarker & product, 2015 - 2027 (USD Million)

6.4.3.2 China rare biomarkers specimen collection & stabilization market estimates and forecast, by end use, 2015 - 2027 (USD Million)

6.4.4 India

6.4.4.1 India rare biomarkers specimen collection & stabilization market estimates and forecast, by biomarker & product, 2015 - 2027 (USD Million)

6.4.4.2 India rare biomarkers specimen collection & stabilization market estimates and forecast, by end use, 2015 - 2027 (USD Million)

6.4.5 South Korea

6.4.5.1 South Korea rare biomarkers specimen collection & stabilization market estimates and forecast, by biomarker & product, 2015 - 2027 (USD Million)

6.4.5.2 South Korea rare biomarkers specimen collection & stabilization market estimates and forecast, by end use, 2015 - 2027 (USD Million)

6.4.6 Singapore

6.4.6.1 Singapore rare biomarkers specimen collection & stabilization market estimates and forecast, by biomarker & product, 2015 - 2027 (USD Million)

6.4.6.2 Singapore rare biomarkers specimen collection & stabilization market estimates and forecast, by end use, 2015 - 2027 (USD Million)

6.4.7 Australia

6.4.7.1 Australia rare biomarkers specimen collection & stabilization market estimates and forecast, by biomarker & product, 2015 - 2027 (USD Million)

6.4.7.2 Australia rare biomarkers specimen collection & stabilization market estimates and forecast, by end use, 2015 - 2027 (USD Million)

6.4.8 South East Asia

6.4.8.1 South East Asia rare biomarkers specimen collection & stabilization market estimates and forecast, by biomarker & product, 2015 - 2027 (USD Million)

6.4.8.2 South East Asia rare biomarkers specimen collection & stabilization market estimates and forecast, by end use, 2015 - 2027 (USD Million)

6.5 Latin America

6.5.1 Latin America rare biomarkers specimen collection & stabilization market estimates and forecast, 2015 - 2027 (USD Million)

6.5.2 Brazil

6.5.2.1 Brazil rare biomarkers specimen collection & stabilization market estimates and forecast, by biomarkers & product, 2015 - 2027 (USD Million)

6.5.2.2 Brazil rare biomarkers specimen collection & stabilization market estimates and forecast, by end use, 2015 - 2027 (USD Million)

6.6 Middle East and Africa

6.6.1 Middle-East and Africa rare biomarkers specimen collection & stabilization market estimates and forecast, 2015 - 2027 (USD Million)

6.6.2 South Africa

6.6.2.1 Market estimates and forecast, by biomarker & product, 2015 - 2027 (USD Million)

6.6.2.2 Market estimates and forecast, by end use, 2015 - 2027 (USD Million)

CHAPTER 7 COMPANY PROFILE

7.1 Company Profiles

7.1.1 Agena Bioscience

7.1.1.1 Company overview

7.1.1.2 Product benchmarking

7.1.1.3 Strategic initiatives

7.1.2 ANGLE plc

7.1.2.1 Company overview

7.1.2.2 Financial Performance

7.1.2.3 Product benchmarking

7.1.2.4 Strategic initiatives

7.1.3 AS ONE INTERNATIONAL

7.1.3.1 Company overview

- 7.1.3.2 Product benchmarking
- 7.1.4 BioChain Institute, Inc.
 - 7.1.4.1 Company overview
 - 7.1.4.2 Product benchmarking
- 7.1.5 Biolidics Limited
 - 7.1.5.1 Company overview
 - 7.1.5.2 Financial Performance
 - 7.1.5.3 Product benchmarking
 - 7.1.5.4 Strategic initiatives
- 7.1.6 Biomatrix
 - 7.1.6.1 Company overview
 - 7.1.6.2 Financial Performance
 - 7.1.6.3 Product benchmarking
 - 7.1.6.4 Strategic initiatives
- 7.1.7 Bio-Techne Corporation
 - 7.1.7.1 Company overview
 - 7.1.7.2 Advanced Cell Diagnostics, Inc.
 - 7.1.7.2.1 Company overview
 - 7.1.7.3 Novus Biologicals, LLC
 - 7.1.7.3.1 Company overview
 - 7.1.7.4 Financial Performance
 - 7.1.7.5 Product benchmarking
 - 7.1.7.6 Strategic initiatives
- 7.1.8 BioVision, Inc.
 - 7.1.8.1 Company overview
 - 7.1.8.2 Product benchmarking
 - 7.1.8.3 Strategic initiatives
- 7.1.9 Caltag Medsystems Limited
 - 7.1.9.1 Company overview
 - 7.1.9.2 Cytomark Ltd.
 - 7.1.9.2.1 Company overview
 - 7.1.9.3 Product benchmarking
- 7.1.10 OraSure Technologies Inc.
 - 7.1.10.1 Company overview
 - 7.1.10.2 DNA Genotek, Inc.
 - 7.1.10.2.1 Company overview
 - 7.1.10.3 Financial Performance
 - 7.1.10.4 Product benchmarking
 - 7.1.10.5 Strategic initiatives

- 7.1.11 Epic Sciences
 - 7.1.11.1 Company overview
 - 7.1.11.2 Product benchmarking
 - 7.1.11.3 Strategic initiatives
- 7.1.12 EpiGentek Group Inc.
 - 7.1.12.1 Company overview
 - 7.1.12.2 Product benchmarking
 - 7.1.12.3 Strategic initiatives
- 7.1.13 F. Hoffmann-La Roche Ltd
 - 7.1.13.1 Company overview
 - 7.1.13.2 Financial Performance
 - 7.1.13.3 Product benchmarking
 - 7.1.13.4 Strategic initiatives
- 7.1.14 Fluxion Biosciences, Inc.
 - 7.1.14.1 Company overview
 - 7.1.14.2 Product benchmarking
 - 7.1.14.3 Strategic initiatives
- 7.1.15 Geno Technology Inc., USA.
 - 7.1.15.1 Company overview
 - 7.1.15.2 Product benchmarking
- 7.1.16 Genomax Technologies Pte Ltd.
 - 7.1.16.1 Company overview
 - 7.1.16.2 Product benchmarking
 - 7.1.16.3 Strategic initiatives
- 7.1.17 GILUPI GmbH
 - 7.1.17.1 Company overview
 - 7.1.17.2 Product benchmarking
 - 7.1.17.3 Strategic initiatives
- 7.1.18 Norgen Biotek Corp.
 - 7.1.18.1 Company overview
 - 7.1.18.2 Product benchmarking
 - 7.1.18.3 Strategic initiatives
- 7.1.19 Promega Corporation
 - 7.1.19.1 Company overview
 - 7.1.19.2 Financial Performance
 - 7.1.19.3 Product benchmarking
 - 7.1.19.4 Strategic initiatives
- 7.1.20 Rarecells Diagnostics SAS
 - 7.1.20.1 Company overview

- 7.1.20.2 Financial Performance
- 7.1.20.3 Product benchmarking
- 7.1.21 SiO2 Materials Science
 - 7.1.21.1 Company overview
 - 7.1.21.2 Product benchmarking
- 7.1.22 QIAGEN
 - 7.1.22.1 Company overview
 - 7.1.22.2 PreAnalytiX GmbH
 - 7.1.22.2.1 Company overview
 - 7.1.22.3 Financial Performance
 - 7.1.22.4 Product benchmarking
 - 7.1.22.5 Strategic initiatives
- 7.1.23 RareCyte, Inc.
 - 7.1.23.1 Company overview
 - 7.1.23.2 Product benchmarking
 - 7.1.23.3 Strategic initiatives
- 7.1.24 siemens Healthineers
 - 7.1.24.1 Company overview
 - 7.1.24.2 Financial Performance
 - 7.1.24.3 Product benchmarking
 - 7.1.24.4 Strategic initiatives
- 7.1.25 STEMCELL Technologies Inc.
 - 7.1.25.1 Company overview
 - 7.1.25.2 Financial Performance
 - 7.1.25.3 Product benchmarking
 - 7.1.25.4 Strategic initiatives
- 7.1.26 Streck, Inc.
 - 7.1.26.1 Company overview
 - 7.1.26.2 Product benchmarking
- 7.1.27 Thermo Fisher Scientific, Inc.
 - 7.1.27.1 Company overview
 - 7.1.27.2 Financial Performance
 - 7.1.27.3 Product benchmarking
 - 7.1.27.4 Strategic initiatives
- 7.1.28 Vortex Biosciences
 - 7.1.28.1 Company overview
 - 7.1.28.2 Product benchmarking
 - 7.1.28.3 Strategic initiatives
- 7.1.29 VyCAP B.V.

- 7.1.29.1 Company overview
- 7.1.29.2 Product benchmarking
- 7.1.30 LifeSpan BioSciences, Inc
 - 7.1.30.1 Company overview
 - 7.1.30.2 Product benchmarking
 - 7.1.30.3 Strategic initiatives
- 7.1.31 MagBio Genomics Inc.
 - 7.1.31.1 Company overview
 - 7.1.31.2 Product benchmarking
 - 7.1.31.3 Strategic initiatives
- 7.1.32 Menarini Silicon Biosystems
 - 7.1.32.1 Company overview
 - 7.1.32.2 Product benchmarking
 - 7.1.32.3 Strategic initiatives
- 7.1.33 MyBioSource.com
 - 7.1.33.1 Company overview
 - 7.1.33.2 Product benchmarking
- 7.1.34 Precision for Medicine, Inc.
 - 7.1.34.1 Company overview
 - 7.1.34.2 ApoCell, Inc.
 - 7.1.34.2.1 Company overview
 - 7.1.34.3 Product benchmarking
 - 7.1.34.4 Strategic initiatives

List Of Tables

LIST OF TABLES

Table 1 Products for CTC analysis by application

Table 2 Exosome isolation products, by specimen type

Table 3 Product classification with regard to usage type

Table 4 Distribution network for EpiGentek Group, Inc.'s EpiQuik Circulating Cell-Free DNA isolation kit

Table 5 Examples of CTC isolation technologies other than CellSearch system

Table 6 Liquid biopsy developing or commercializing companies

Table 7 Funding initiatives by NIH for exosome projects

Table 8 Blood collection tubes: Pricing analysis, by company

Table 9 Kits & reagents: Pricing analysis, by company

Table 10 Comparison of conventional and microfluidics-based exosome isolation techniques

Table 11 Products for CTC detection & enrichment

Table 12 Methodological variables in processing and analysis of ccfDNA

Table 13 Comparative analysis of qEV and SmartSEC

Table 14 Clinically relevant exosomal nucleic acid markers for breast cancer, as per the research studies

Table 15 Comparison of circulating miRNA, DNA, and Biopsy

Table 16 Selected circulating cfRNA biomarkers in cancer

Table 17 North America rare biomarkers specimen collection & stabilization market estimates & forecasts, by biomarker, 2015 - 2027 (USD Million)

Table 18 North America exosomes/extracellular vesicles collection & stabilization market estimates & forecasts, by product, 2015 - 2027 (USD Million)

Table 19 North America exosomes/extracellular vesicles collection & stabilization market estimates & forecasts, by specimen type, 2015 - 2027 (USD Million)

Table 20 North America exosomes/extracellular vesicles collection & stabilization market estimates & forecasts, by nucleic acid & other biomolecules, 2015 - 2027 (USD Million)

Table 21 North America exosomes/extracellular vesicles collection & stabilization market estimates & forecasts, by application, 2015 - 2027 (USD Million)

Table 22 North America exosomes/extracellular vesicles collection & stabilization market for oncology estimates & forecasts, by application, 2015 - 2027 (USD Million)

Table 23 North America exosomes/extracellular vesicles collection & stabilization market for oncology diagnostics estimates & forecasts, by application, 2015 - 2027 (USD Million)

Table 24 North America Circulating Cell Free RNA (ccfRNA) / miRNA collection & stabilization market estimates & forecasts, by product, 2015 - 2027 (USD Million)

Table 25 North America Circulating Cell Free RNA (ccfRNA) / miRNA collection & stabilization market estimates & forecasts, by application, 2015 - 2027 (USD Million)

Table 26 North America Circulating Cell Free RNA (ccfRNA) / miRNA collection & stabilization market for oncology estimates & forecasts, by application, 2015 - 2027 (USD Million)

Table 27 North America rare biomarkers specimen collection & stabilization market estimates & forecasts, by end use, 2015 - 2027 (USD Million)

Table 28 North America exosomes/extracellular vesicles collection & stabilization market for research settings estimates & forecasts, by end use, 2015 - 2027 (USD Million)

Table 29 North America exosomes/extracellular vesicles collection & stabilization market for diagnostics settings estimates & forecasts, by end use, 2015 - 2027 (USD Million)

Table 30 U.S. rare biomarkers specimen collection & stabilization market estimates & forecasts, by biomarker, 2015 - 2027 (USD Million)

Table 31 U.S. exosomes/extracellular vesicles collection & stabilization market estimates & forecasts, by product, 2015 - 2027 (USD Million)

Table 32 U.S. exosomes/extracellular vesicles collection & stabilization market estimates & forecasts, by specimen type, 2015 - 2027 (USD Million)

Table 33 U.S. exosomes/extracellular vesicles collection & stabilization market estimates & forecasts, by nucleic acid & other biomolecules, 2015 - 2027 (USD Million)

Table 34 U.S. exosomes/extracellular vesicles collection & stabilization market estimates & forecasts, by application, 2015 - 2027 (USD Million)

Table 35 U.S. exosomes/extracellular vesicles collection & stabilization market for oncology estimates & forecasts, by application, 2015 - 2027 (USD Million)

Table 36 U.S. exosomes/extracellular vesicles collection & stabilization market for oncology diagnostics estimates & forecasts, by application, 2015 - 2027 (USD Million)

Table 37 U.S. Circulating Cell Free RNA (ccfRNA) / miRNA collection & stabilization market estimates & forecasts, by product, 2015 - 2027 (USD Million)

Table 38 U.S. Circulating Cell Free RNA (ccfRNA) / miRNA collection & stabilization market estimates & forecasts, by application, 2015 - 2027 (USD Million)

Table 39 U.S. Circulating Cell Free RNA (ccfRNA) / miRNA collection & stabilization market for oncology estimates & forecasts, by application, 2015 - 2027 (USD Million)

Table 40 U.S. rare biomarkers specimen collection & stabilization market estimates & forecasts, by end use, 2015 - 2027 (USD Million)

Table 41 U.S. exosomes/extracellular vesicles collection & stabilization market for research settings estimates & forecasts, by end use, 2015 - 2027 (USD Million)

Table 42 U.S. exosomes/extracellular vesicles collection & stabilization market for diagnostics settings estimates & forecasts, by end use, 2015 - 2027 (USD Million)

Table 43 Canada rare biomarkers specimen collection & stabilization market estimates & forecasts, by biomarker, 2015 - 2027 (USD Million)

Table 44 Canada exosomes/extracellular vesicles collection & stabilization market estimates & forecasts, by product, 2015 - 2027 (USD Million)

Table 45 Canada exosomes/extracellular vesicles collection & stabilization market estimates & forecasts, by specimen type, 2015 - 2027 (USD Million)

Table 46 Canada exosomes/extracellular vesicles collection & stabilization market estimates & forecasts, by nucleic acid & other biomolecules, 2015 - 2027 (USD Million)

Table 47 Canada exosomes/extracellular vesicles collection & stabilization market estimates & forecasts, by application, 2015 - 2027 (USD Million)

Table 48 Canada exosomes/extracellular vesicles collection & stabilization market for oncology estimates & forecasts, by application, 2015 - 2027 (USD Million)

Table 49 Canada exosomes/extracellular vesicles collection & stabilization market for oncology diagnostics estimates & forecasts, by application, 2015 - 2027 (USD Million)

Table 50 Canada Circulating Cell Free RNA (ccfRNA) / miRNA collection & stabilization market estimates & forecasts, by product, 2015 - 2027 (USD Million)

Table 51 Canada Circulating Cell Free RNA (ccfRNA) / miRNA collection & stabilization market estimates & forecasts, by application, 2015 - 2027 (USD Million)

Table 52 Canada Circulating Cell Free RNA (ccfRNA) / miRNA collection & stabilization market for oncology estimates & forecasts, by application, 2015 - 2027 (USD Million)

Table 53 Canada rare biomarkers specimen collection & stabilization market estimates & forecasts, by end use, 2015 - 2027 (USD Million)

Table 54 Canada exosomes/extracellular vesicles collection & stabilization market for research settings estimates & forecasts, by end use, 2015 - 2027 (USD Million)

Table 55 Canada exosomes/extracellular vesicles collection & stabilization market for diagnostics settings estimates & forecasts, by end use, 2015 - 2027 (USD Million)

Table 56 Europe rare biomarkers specimen collection & stabilization market estimates & forecasts, by biomarker, 2015 - 2027 (USD Million)

Table 57 Europe exosomes/extracellular vesicles collection & stabilization market estimates & forecasts, by product, 2015 - 2027 (USD Million)

Table 58 Europe exosomes/extracellular vesicles collection & stabilization market estimates & forecasts, by specimen type, 2015 - 2027 (USD Million)

Table 59 Europe exosomes/extracellular vesicles collection & stabilization market estimates & forecasts, by nucleic acid & other biomolecules, 2015 - 2027 (USD Million)

Table 60 Europe exosomes/extracellular vesicles collection & stabilization market estimates & forecasts, by application, 2015 - 2027 (USD Million)

Table 61 Europe exosomes/extracellular vesicles collection & stabilization market for

oncology estimates & forecasts, by application, 2015 - 2027 (USD Million)

Table 62 Europe exosomes/extracellular vesicles collection & stabilization market for oncology diagnostics estimates & forecasts, by application, 2015 - 2027 (USD Million)

Table 63 Europe Circulating Cell Free RNA (ccfRNA) / miRNA collection & stabilization market estimates & forecasts, by product, 2015 - 2027 (USD Million)

Table 64 Europe Circulating Cell Free RNA (ccfRNA) / miRNA collection & stabilization market estimates & forecasts, by application, 2015 - 2027 (USD Million)

Table 65 Europe Circulating Cell Free RNA (ccfRNA) / miRNA collection & stabilization market for oncology estimates & forecasts, by application, 2015 - 2027 (USD Million)

Table 66 Europe rare biomarkers specimen collection & stabilization market estimates & forecasts, by end use, 2015 - 2027 (USD Million)

Table 67 Europe exosomes/extracellular vesicles collection & stabilization market for research settings estimates & forecasts, by end use, 2015 - 2027 (USD Million)

Table 68 Europe exosomes/extracellular vesicles collection & stabilization market for diagnostics settings estimates & forecasts, by end use, 2015 - 2027 (USD Million)

Table 69 Germany rare biomarkers specimen collection & stabilization market estimates & forecasts, by biomarker, 2015 - 2027 (USD Million)

Table 70 Germany exosomes/extracellular vesicles collection & stabilization market estimates & forecasts, by product, 2015 - 2027 (USD Million)

Table 71 Germany exosomes/extracellular vesicles collection & stabilization market estimates & forecasts, by specimen type, 2015 - 2027 (USD Million)

Table 72 Germany exosomes/extracellular vesicles collection & stabilization market estimates & forecasts, by nucleic acid & other biomolecules, 2015 - 2027 (USD Million)

Table 73 Germany exosomes/extracellular vesicles collection & stabilization market estimates & forecasts, by application, 2015 - 2027 (USD Million)

Table 74 Germany exosomes/extracellular vesicles collection & stabilization market for oncology estimates & forecasts, by application, 2015 - 2027 (USD Million)

Table 75 Germany exosomes/extracellular vesicles collection & stabilization market for oncology diagnostics estimates & forecasts, by application, 2015 - 2027 (USD Million)

Table 76 Germany Circulating Cell Free RNA (ccfRNA) / miRNA collection & stabilization market estimates & forecasts, by product, 2015 - 2027 (USD Million)

Table 77 Germany Circulating Cell Free RNA (ccfRNA) / miRNA collection & stabilization market estimates & forecasts, by application, 2015 - 2027 (USD Million)

Table 78 Germany Circulating Cell Free RNA (ccfRNA) / miRNA collection & stabilization market for oncology estimates & forecasts, by application, 2015 - 2027 (USD Million)

Table 79 Germany rare biomarkers specimen collection & stabilization market estimates & forecasts, by end use, 2015 - 2027 (USD Million)

Table 80 Germany exosomes/extracellular vesicles collection & stabilization market for

research settings estimates & forecasts, by end use, 2015 - 2027 (USD Million)

Table 81 Germany exosomes/extracellular vesicles collection & stabilization market for diagnostics settings estimates & forecasts, by end use, 2015 - 2027 (USD Million)

Table 82 U.K. rare biomarkers specimen collection & stabilization market estimates & forecasts, by biomarker, 2015 - 2027 (USD Million)

Table 83 U.K. exosomes/extracellular vesicles collection & stabilization market estimates & forecasts, by product, 2015 - 2027 (USD Million)

Table 84 U.K. exosomes/extracellular vesicles collection & stabilization market estimates & forecasts, by specimen type, 2015 - 2027 (USD Million)

Table 85 U.K. exosomes/extracellular vesicles collection & stabilization market estimates & forecasts, by nucleic acid & other biomolecules, 2015 - 2027 (USD Million)

Table 86 U.K. exosomes/extracellular vesicles collection & stabilization market estimates & forecasts, by application, 2015 - 2027 (USD Million)

Table 87 U.K. exosomes/extracellular vesicles collection & stabilization market for oncology estimates & forecasts, by application, 2015 - 2027 (USD Million)

Table 88 U.K. exosomes/extracellular vesicles collection & stabilization market for oncology diagnostics estimates & forecasts, by application, 2015 - 2027 (USD Million)

Table 89 U.K. Circulating Cell Free RNA (ccfRNA) / miRNA collection & stabilization market estimates & forecasts, by product, 2015 - 2027 (USD Million)

Table 90 U.K. Circulating Cell Free RNA (ccfRNA) / miRNA collection & stabilization market estimates & forecasts, by application, 2015 - 2027 (USD Million)

Table 91 U.K. Circulating Cell Free RNA (ccfRNA) / miRNA collection & stabilization market for oncology estimates & forecasts, by application, 2015 - 2027 (USD Million)

Table 92 U.K. rare biomarkers specimen collection & stabilization market estimates & forecasts, by end use, 2015 - 2027 (USD Million)

Table 93 U.K. exosomes/extracellular vesicles collection & stabilization market for research settings estimates & forecasts, by end use, 2015 - 2027 (USD Million)

Table 94 U.K. exosomes/extracellular vesicles collection & stabilization market for diagnostics settings estimates & forecasts, by end use, 2015 - 2027 (USD Million)

Table 95 Spain rare biomarkers specimen collection & stabilization market estimates & forecasts, by biomarker, 2015 - 2027 (USD Million)

Table 96 Spain exosomes/extracellular vesicles collection & stabilization market estimates & forecasts, by product, 2015 - 2027 (USD Million)

Table 97 Spain exosomes/extracellular vesicles collection & stabilization market estimates & forecasts, by specimen type, 2015 - 2027 (USD Million)

Table 98 Spain exosomes/extracellular vesicles collection & stabilization market estimates & forecasts, by nucleic acid & other biomolecules, 2015 - 2027 (USD Million)

Table 99 Spain exosomes/extracellular vesicles collection & stabilization market estimates & forecasts, by application, 2015 - 2027 (USD Million)

Table 100 Spain exosomes/extracellular vesicles collection & stabilization market for oncology estimates & forecasts, by application, 2015 - 2027 (USD Million)

Table 101 Spain exosomes/extracellular vesicles collection & stabilization market for oncology diagnostics estimates & forecasts, by application, 2015 - 2027 (USD Million)

Table 102 Spain Circulating Cell Free RNA (ccfRNA) / miRNA collection & stabilization market estimates & forecasts, by product, 2015 - 2027 (USD Million)

Table 103 Spain Circulating Cell Free RNA (ccfRNA) / miRNA collection & stabilization market estimates & forecasts, by application, 2015 - 2027 (USD Million)

Table 104 Spain Circulating Cell Free RNA (ccfRNA) / miRNA collection & stabilization market for oncology estimates & forecasts, by application, 2015 - 2027 (USD Million)

Table 105 Spain rare biomarkers specimen collection & stabilization market estimates & forecasts, by end use, 2015 - 2027 (USD Million)

Table 106 Spain exosomes/extracellular vesicles collection & stabilization market for research settings estimates & forecasts, by end use, 2015 - 2027 (USD Million)

Table 107 Spain exosomes/extracellular vesicles collection & stabilization market for diagnostics settings estimates & forecasts, by end use, 2015 - 2027 (USD Million)

Table 108 France rare biomarkers specimen collection & stabilization market estimates & forecasts, by biomarker, 2015 - 2027 (USD Million)

Table 109 France exosomes/extracellular vesicles collection & stabilization market estimates & forecasts, by product, 2015 - 2027 (USD Million)

Table 110 France exosomes/extracellular vesicles collection & stabilization market estimates & forecasts, by specimen type, 2015 - 2027 (USD Million)

Table 111 France exosomes/extracellular vesicles collection & stabilization market estimates & forecasts, by nucleic acid & other biomolecules, 2015 - 2027 (USD Million)

Table 112 France exosomes/extracellular vesicles collection & stabilization market estimates & forecasts, by application, 2015 - 2027 (USD Million)

Table 113 France exosomes/extracellular vesicles collection & stabilization market for oncology estimates & forecasts, by application, 2015 - 2027 (USD Million)

Table 114 France exosomes/extracellular vesicles collection & stabilization market for oncology diagnostics estimates & forecasts, by application, 2015 - 2027 (USD Million)

Table 115 France Circulating Cell Free RNA (ccfRNA) / miRNA collection & stabilization market estimates & forecasts, by product, 2015 - 2027 (USD Million)

Table 116 France Circulating Cell Free RNA (ccfRNA) / miRNA collection & stabilization market estimates & forecasts, by application, 2015 - 2027 (USD Million)

Table 117 France Circulating Cell Free RNA (ccfRNA) / miRNA collection & stabilization market for oncology estimates & forecasts, by application, 2015 - 2027 (USD Million)

Table 118 France rare biomarkers specimen collection & stabilization market estimates & forecasts, by end use, 2015 - 2027 (USD Million)

Table 119 France exosomes/extracellular vesicles collection & stabilization market for

research settings estimates & forecasts, by end use, 2015 - 2027 (USD Million)

Table 120 France exosomes/extracellular vesicles collection & stabilization market for diagnostics settings estimates & forecasts, by end use, 2015 - 2027 (USD Million)

Table 121 Italy rare biomarkers specimen collection & stabilization market estimates & forecasts, by biomarker, 2015 - 2027 (USD Million)

Table 122 Italy exosomes/extracellular vesicles collection & stabilization market estimates & forecasts, by product, 2015 - 2027 (USD Million)

Table 123 Italy exosomes/extracellular vesicles collection & stabilization market estimates & forecasts, by specimen type, 2015 - 2027 (USD Million)

Table 124 Italy exosomes/extracellular vesicles collection & stabilization market estimates & forecasts, by nucleic acid & other biomolecules, 2015 - 2027 (USD Million)

Table 125 Italy exosomes/extracellular vesicles collection & stabilization market estimates & forecasts, by application, 2015 - 2027 (USD Million)

Table 126 Italy exosomes/extracellular vesicles collection & stabilization market for oncology estimates & forecasts, by application, 2015 - 2027 (USD Million)

Table 127 Italy exosomes/extracellular vesicles collection & stabilization market for oncology diagnostics estimates & forecasts, by application, 2015 - 2027 (USD Million)

Table 128 Italy Circulating Cell Free RNA (ccfRNA) / miRNA collection & stabilization market estimates & forecasts, by product, 2015 - 2027 (USD Million)

Table 129 Italy Circulating Cell Free RNA (ccfRNA) / miRNA collection & stabilization market estimates & forecasts, by application, 2015 - 2027 (USD Million)

Table 130 Italy Circulating Cell Free RNA (ccfRNA) / miRNA collection & stabilization market for oncology estimates & forecasts, by application, 2015 - 2027 (USD Million)

Table 131 Italy rare biomarkers specimen collection & stabilization market estimates & forecasts, by end use, 2015 - 2027 (USD Million)

Table 132 Italy exosomes/extracellular vesicles collection & stabilization market for research settings estimates & forecasts, by end use, 2015 - 2027 (USD Million)

Table 133 Italy exosomes/extracellular vesicles collection & stabilization market for diagnostics settings estimates & forecasts, by end use, 2015 - 2027 (USD Million)

Table 134 Netherlands rare biomarkers specimen collection & stabilization market estimates & forecasts, by biomarker, 2015 - 2027 (USD Million)

Table 135 Netherlands exosomes/extracellular vesicles collection & stabilization market estimates & forecasts, by product, 2015 - 2027 (USD Million)

Table 136 Netherlands exosomes/extracellular vesicles collection & stabilization market estimates & forecasts, by specimen type, 2015 - 2027 (USD Million)

Table 137 Netherlands exosomes/extracellular vesicles collection & stabilization market estimates & forecasts, by nucleic acid & other biomolecules, 2015 - 2027 (USD Million)

Table 138 Netherlands exosomes/extracellular vesicles collection & stabilization market estimates & forecasts, by application, 2015 - 2027 (USD Million)

Table 139 Netherlands exosomes/extracellular vesicles collection & stabilization market for oncology estimates & forecasts, by application, 2015 - 2027 (USD Million)

Table 140 Netherlands exosomes/extracellular vesicles collection & stabilization market for oncology diagnostics estimates & forecasts, by application, 2015 - 2027 (USD Million)

Table 141 Netherlands Circulating Cell Free RNA (ccfRNA) / miRNA collection & stabilization market estimates & forecasts, by product, 2015 - 2027 (USD Million)

Table 142 Netherlands Circulating Cell Free RNA (ccfRNA) / miRNA collection & stabilization market estimates & forecasts, by application, 2015 - 2027 (USD Million)

Table 143 Netherlands Circulating Cell Free RNA (ccfRNA) / miRNA collection & stabilization market for oncology estimates & forecasts, by application, 2015 - 2027 (USD Million)

Table 144 Netherlands rare biomarkers specimen collection & stabilization market estimates & forecasts, by end use, 2015 - 2027 (USD Million)

Table 145 Netherlands exosomes/extracellular vesicles collection & stabilization market for research settings estimates & forecasts, by end use, 2015 - 2027 (USD Million)

Table 146 Netherlands exosomes/extracellular vesicles collection & stabilization market for diagnostics settings estimates & forecasts, by end use, 2015 - 2027 (USD Million)

Table 147 Asia Pacific rare biomarkers specimen collection & stabilization market estimates & forecasts, by biomarker, 2015 - 2027 (USD Million)

Table 148 Asia Pacific exosomes/extracellular vesicles collection & stabilization market estimates & forecasts, by product, 2015 - 2027 (USD Million)

Table 149 Asia Pacific exosomes/extracellular vesicles collection & stabilization market estimates & forecasts, by specimen type, 2015 - 2027 (USD Million)

Table 150 Asia Pacific exosomes/extracellular vesicles collection & stabilization market estimates & forecasts, by nucleic acid & other biomolecules, 2015 - 2027 (USD Million)

Table 151 Asia Pacific exosomes/extracellular vesicles collection & stabilization market estimates & forecasts, by application, 2015 - 2027 (USD Million)

Table 152 Asia Pacific exosomes/extracellular vesicles collection & stabilization market for oncology estimates & forecasts, by application, 2015 - 2027 (USD Million)

Table 153 Asia Pacific exosomes/extracellular vesicles collection & stabilization market for oncology diagnostics estimates & forecasts, by application, 2015 - 2027 (USD Million)

Table 154 Asia Pacific Circulating Cell Free RNA (ccfRNA) / miRNA collection & stabilization market estimates & forecasts, by product, 2015 - 2027 (USD Million)

Table 155 Asia Pacific Circulating Cell Free RNA (ccfRNA) / miRNA collection & stabilization market estimates & forecasts, by application, 2015 - 2027 (USD Million)

Table 156 Asia Pacific Circulating Cell Free RNA (ccfRNA) / miRNA collection & stabilization market for oncology estimates & forecasts, by application, 2015 - 2027

(USD Million)

Table 157 Asia Pacific rare biomarkers specimen collection & stabilization market estimates & forecasts, by end use, 2015 - 2027 (USD Million)

Table 158 Asia Pacific exosomes/extracellular vesicles collection & stabilization market for research settings estimates & forecasts, by end use, 2015 - 2027 (USD Million)

Table 159 Asia Pacific exosomes/extracellular vesicles collection & stabilization market for diagnostics settings estimates & forecasts, by end use, 2015 - 2027 (USD Million)

Table 160 Japan rare biomarkers specimen collection & stabilization market estimates & forecasts, by biomarker, 2015 - 2027 (USD Million)

Table 161 Japan exosomes/extracellular vesicles collection & stabilization market estimates & forecasts, by product, 2015 - 2027 (USD Million)

Table 162 Japan exosomes/extracellular vesicles collection & stabilization market estimates & forecasts, by specimen type, 2015 - 2027 (USD Million)

Table 163 Japan exosomes/extracellular vesicles collection & stabilization market estimates & forecasts, by nucleic acid & other biomolecules, 2015 - 2027 (USD Million)

Table 164 Japan exosomes/extracellular vesicles collection & stabilization market estimates & forecasts, by application, 2015 - 2027 (USD Million)

Table 165 Japan exosomes/extracellular vesicles collection & stabilization market for oncology estimates & forecasts, by application, 2015 - 2027 (USD Million)

Table 166 Japan exosomes/extracellular vesicles collection & stabilization market for oncology diagnostics estimates & forecasts, by application, 2015 - 2027 (USD Million)

Table 167 Japan Circulating Cell Free RNA (ccfRNA) / miRNA collection & stabilization market estimates & forecasts, by product, 2015 - 2027 (USD Million)

Table 168 Japan Circulating Cell Free RNA (ccfRNA) / miRNA collection & stabilization market estimates & forecasts, by application, 2015 - 2027 (USD Million)

Table 169 Japan Circulating Cell Free RNA (ccfRNA) / miRNA collection & stabilization market for oncology estimates & forecasts, by application, 2015 - 2027 (USD Million)

Table 170 Japan rare biomarkers specimen collection & stabilization market estimates & forecasts, by end use, 2015 - 2027 (USD Million)

Table 171 Japan exosomes/extracellular vesicles collection & stabilization market for research settings estimates & forecasts, by end use, 2015 - 2027 (USD Million)

Table 172 Japan exosomes/extracellular vesicles collection & stabilization market for diagnostics settings estimates & forecasts, by end use, 2015 - 2027 (USD Million)

Table 173 China rare biomarkers specimen collection & stabilization market estimates & forecasts, by biomarker, 2015 - 2027 (USD Million)

Table 174 China exosomes/extracellular vesicles collection & stabilization market estimates & forecasts, by product, 2015 - 2027 (USD Million)

Table 175 China exosomes/extracellular vesicles collection & stabilization market estimates & forecasts, by specimen type, 2015 - 2027 (USD Million)

Table 176 China exosomes/extracellular vesicles collection & stabilization market estimates & forecasts, by nucleic acid & other biomolecules, 2015 - 2027 (USD Million)

Table 177 China exosomes/extracellular vesicles collection & stabilization market estimates & forecasts, by application, 2015 - 2027 (USD Million)

Table 178 China exosomes/extracellular vesicles collection & stabilization market for oncology estimates & forecasts, by application, 2015 - 2027 (USD Million)

Table 179 China exosomes/extracellular vesicles collection & stabilization market for oncology diagnostics estimates & forecasts, by application, 2015 - 2027 (USD Million)

Table 180 China Circulating Cell Free RNA (ccfRNA) / miRNA collection & stabilization market estimates & forecasts, by product, 2015 - 2027 (USD Million)

Table 181 China Circulating Cell Free RNA (ccfRNA) / miRNA collection & stabilization market estimates & forecasts, by application, 2015 - 2027 (USD Million)

Table 182 China Circulating Cell Free RNA (ccfRNA) / miRNA collection & stabilization market for oncology estimates & forecasts, by application, 2015 - 2027 (USD Million)

Table 183 China rare biomarkers specimen collection & stabilization market estimates & forecasts, by end use, 2015 - 2027 (USD Million)

Table 184 China exosomes/extracellular vesicles collection & stabilization market for research settings estimates & forecasts, by end use, 2015 - 2027 (USD Million)

Table 185 China exosomes/extracellular vesicles collection & stabilization market for diagnostics settings estimates & forecasts, by end use, 2015 - 2027 (USD Million)

Table 186 India rare biomarkers specimen collection & stabilization market estimates & forecasts, by biomarker, 2015 - 2027 (USD Million)

Table 187 India exosomes/extracellular vesicles collection & stabilization market estimates & forecasts, by product, 2015 - 2027 (USD Million)

Table 188 India exosomes/extracellular vesicles collection & stabilization market estimates & forecasts, by specimen type, 2015 - 2027 (USD Million)

Table 189 India exosomes/extracellular vesicles collection & stabilization market estimates & forecasts, by nucleic acid & other biomolecules, 2015 - 2027 (USD Million)

Table 190 India exosomes/extracellular vesicles collection & stabilization market estimates & forecasts, by application, 2015 - 2027 (USD Million)

Table 191 India exosomes/extracellular vesicles collection & stabilization market for oncology estimates & forecasts, by application, 2015 - 2027 (USD Million)

Table 192 India exosomes/extracellular vesicles collection & stabilization market for oncology diagnostics estimates & forecasts, by application, 2015 - 2027 (USD Million)

Table 193 India Circulating Cell Free RNA (ccfRNA) / miRNA collection & stabilization market estimates & forecasts, by product, 2015 - 2027 (USD Million)

Table 194 India Circulating Cell Free RNA (ccfRNA) / miRNA collection & stabilization market estimates & forecasts, by application, 2015 - 2027 (USD Million)

Table 195 India Circulating Cell Free RNA (ccfRNA) / miRNA collection & stabilization

market for oncology estimates & forecasts, by application, 2015 - 2027 (USD Million)

Table 196 India rare biomarkers specimen collection & stabilization market estimates & forecasts, by end use, 2015 - 2027 (USD Million)

Table 197 India exosomes/extracellular vesicles collection & stabilization market for research settings estimates & forecasts, by end use, 2015 - 2027 (USD Million)

Table 198 India exosomes/extracellular vesicles collection & stabilization market for diagnostics settings estimates & forecasts, by end use, 2015 - 2027 (USD Million)

Table 199 South Korea rare biomarkers specimen collection & stabilization market estimates & forecasts, by biomarker, 2015 - 2027 (USD Million)

Table 200 South Korea exosomes/extracellular vesicles collection & stabilization market estimates & forecasts, by product, 2015 - 2027 (USD Million)

List Of Figures

LIST OF FIGURES

- Fig. 1 Rare biomarkers specimen collection & stabilization market snapshot
- Fig. 2 Market research process
- Fig. 3 Information procurement
- Fig. 4 Industry pyramid analysis
- Fig. 5 Industry pyramid analysis
- Fig. 6 Market research approaches
- Fig. 7 Value-chain-based sizing & forecasting
- Fig. 8 Industry pyramid analysis
- Fig. 9 Industry pyramid analysis
- Fig. 10 Market model for CTCs market
- Fig. 11 Penetration of molecules in liquid biopsy market
- Fig. 12 Penetration of CTCs isolation & enrichment technologies
- Fig. 13 Penetration of molecules in liquid biopsy market
- Fig. 14 QFD modeling for market share assessment for exosome segment, by product type
- Fig. 15 QFD modeling for market share assessment for exosome segment, by nucleic acid type
- Fig. 16 Penetration of rare biomarkers specimen type, by end use settings
- Fig. 17 Penetration of rare biomarkers specimen within end use setting, 2019
- Fig. 18 Regional analysis for CTCs penetration in therapy selection
- Fig. 19 Regional analysis for CTCs penetration in disease diagnosis
- Fig. 20 Rare biomarkers specimen collection & stabilization market segmentation
- Fig. 21 Industry pyramid analysis
- Fig. 22 Penetration and growth prospect mapping for biomarker, 2019
- Fig. 23 Rare biomarkers specimen collection & stabilization market driver impact
- Fig. 24 In vitro diagnostic market restraint impact
- Fig. 25 SWOT analysis, by factor (Political & legal, economic, and technological)
- Fig. 26 Porter's Five Forces Analysis
- Fig. 27 Rare biomarkers specimen collection stabilization market: Biomarker & product outlook and key takeaways
- Fig. 28 Rare biomarkers specimen collection stabilization market: Biomarker & product movement analysis
- Fig. 29 Critical in vivo & ex-vivo pre-analytical factors in ccfDNA analysis
- Fig. 30 ccfDNA yield extracted serum & plasma in ng/ml
- Fig. 31 Global circulating Cell Free DNA (ccfDNA) collection & stabilization market,

2015 - 2027 (USD Million)

Fig. 32 Global Circulating Tumor Cells (CTC) collection & stabilization market, 2015 - 2027 (USD Million)

Fig. 33 Global exosomes/extracellular vesicles collection & stabilization market, 2015 - 2027 (USD Million)

Fig. 34 Global isolation kits & reagents market for exosomes/extracellular vesicles collection & stabilization, 2015 - 2027 (USD Million)

Fig. 35 Global blood collection tubes market for exosomes/extracellular vesicles collection & stabilization, 2015 - 2027 (USD Million)

Fig. 36 Global systems market for exosomes

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