

Biopreservation Market by Product (Media [Cryopreservation, Hypothermic]), Equipment (Freezers, Refrigerators, Incubators, Centrifuge, Accessories), Biospecimen (Tissues, Organs, Stem Cells), Application (Research, Therapeutic) - Global Forecast to 2029

<https://marketpublishers.com/r/B508852499ADEN.html>

Date: May 2024

Pages: 301

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

ID: B508852499ADEN

Abstracts

The global Biopreservation market is projected to reach USD 7.1 billion by 2029 from USD 4.4 billion in 2024, at a CAGR of 9.8% during the forecast period. The growth of this market is majorly driven by rise in demand for preserving biological materials in healthcare, research, and industrial application, growing prevalence of chronic diseases, and technological advancements. However, technical challenges, quality control, energy consumption and environmental impact could restrain the growth of the Biopreservation market.

“Biopreservation Media segment accounted for the highest market share in the Biopreservation market, by product, during the forecast period.”

Based on product, the Biopreservation market is segmented into biopreservation media, biopreservation equipment, and accessories. The biopreservation media segment accounted for the largest market share in 2023. This is attributed to the growing advancements in biotechnology and pharmaceutical companies, rise in demand for regenerative medicine, globalization of clinical trials, and expansion of cell & gene therapies.

“Human Tissue Samples accounted for the larger market share in the Biopreservation market, by biospecimen, during the forecast period.”

The Biopreservation market is segmented into human tissue samples, organs, stem cells, and other biospecimens. The human tissue samples segment accounted for the largest market share in 2023. This can be attributed to the rise in expansion of biobanking initiatives, growth in personalized medicine, and growing investments in biomedical research.

“Biobanks accounted for the highest CAGR during the forecast period.”

Based on the end user, the Biopreservation market is segmented biobanks, gene banks, hospitals, and other end users such as research institutes and universities, pharmaceutical companies, and contract research organizations. The biobanks segment accounted for the largest share of the biopreservation market in 2023. Growth in clinical research & trials, increasing collaborative research initiatives, and rise in funding from the government are supporting the growth of this end-user segment.

“The North America segment accounted for the highest market share in the Biopreservation market, by region, during the forecast period.”

Based on the region, the Biopreservation market is divided into North America, Europe, the Asia Pacific, Latin America, the Middle East & Africa, and GCC. North America region accounted for the largest share of the global Biopreservation market in 2023. This large share of North America is due to the strong healthcare system, presence of leading biotech and pharmaceutical companies, and innovation in cryopreservation and cryobanking.

Breakdown of supply-side primary interviews by company type, designation, and region:

By Company Type: Tier 1 (20%), Tier 2 (45%), and Tier 3 (35%)

By Designation: C-level (30%), Director-level (20%), and Others (50%)

By Region: North America (34%), Asia- Pacific (27%), Europe (23%), Latin America- (7%) and MEA-(5%), and GCC (4%).

Prominent companies include Thermo Fisher Scientific Inc. (US), Merck KGaA (Germany), PHC Holdings Corporation (Japan), Azenta, Inc. (US), Sartorius AG (Germany), Avantor, Inc. (US), ThermoGenesis Holdings, Inc. (US), Bio-Techne

Corporation (US), BioLife Solutions Inc. (US), and Cryoport Inc. (US).

Research Coverage

This research report categorizes the Biopreservation market by product, biospecimen, application, end user, and region. The scope of the report covers detailed information regarding the major factors, such as drivers, restraints, challenges, and opportunities, influencing the growth of the Biopreservation market. A detailed analysis of the key industry players has been done to provide insights into their business overview, solutions, services; key strategies; Contracts, partnerships, and agreements. New product launches, mergers and acquisitions, and recent developments associated with the Biopreservation market. Competitive analysis of upcoming startups in the Biopreservation market ecosystem is covered in this report.

Key Benefits of Buying the Report:

The report will help the market leaders/new entrants in this market with information on the closest approximations of the revenue numbers for the overall Biopreservation market and the subsegments. This report will help stakeholders understand the competitive landscape and gain more insights to position their businesses better and plan suitable go-to-market strategies. The report also helps stakeholders understand the pulse of the market and provides them with information on key market drivers, restraints, challenges, and opportunities.

The report provides insights on the following pointers:

Analysis of key drivers (Growing healthcare expenditure, Increasing R&D investments, Advances in biobanking and growing trend of conserving cord blood stem cells of newborns, Rising investments in regenerative medicine research, Increasing demand for personalized medicine), restraints (High cost of advanced techniques, Stability issues due to tissue injury during freezing and thawing, Issues related to biospecimen sample management), opportunities (Asia offers significant growth opportunities, Rising demand for organ transplants and cell & gene therapy), and challenges (Increasing demand for room temperature storage technologies, Storage and transportation logistics) influencing the growth of the Biopreservation market

Product Development/Innovation: Detailed insights on upcoming technologies, research & development activities, and new product & service launches in the

Biopreservation market.

Market Development: Comprehensive information about lucrative markets – the report analyses the Biopreservation market across varied regions.

Market Diversification: Exhaustive information about new products, untapped geographies, recent developments, and investments in the Biopreservation market

Competitive Assessment: In-depth assessment of market ranking, growth strategies, and product offerings of leading players like Thermo Fisher Scientific Inc. (US), Merck KGaA (Germany), PHC Holdings Corporation (Japan), Azenta, Inc. (US), among others in the Biopreservation market strategies.

Contents

1 INTRODUCTION

1.1 STUDY OBJECTIVES

1.2 MARKET DEFINITION

TABLE 1 INCLUSIONS AND EXCLUSIONS OF STUDY

1.3 STUDY SCOPE

1.3.1 MARKET SEGMENTATION

1.3.2 REGIONAL SCOPE

1.3.3 YEARS CONSIDERED

1.4 CURRENCY CONSIDERED

1.5 STAKEHOLDERS

1.6 LIMITATIONS

1.7 SUMMARY OF CHANGES

2 RESEARCH METHODOLOGY

2.1 RESEARCH DATA

FIGURE 1 BIOPRESERVATION MARKET: RESEARCH DESIGN METHODOLOGY

2.1.1 SECONDARY DATA

2.1.1.1 Secondary sources

2.1.2 PRIMARY DATA

TABLE 2 KEY DATA FROM PRIMARY SOURCES

FIGURE 2 KEY INDUSTRY INSIGHTS

2.1.2.1 Breakdown of primary interviews

FIGURE 3 BREAKDOWN OF PRIMARY INTERVIEWS: SUPPLY-SIDE AND DEMAND-SIDE PARTICIPANTS

FIGURE 4 BREAKDOWN OF PRIMARY INTERVIEWS: BY COMPANY TYPE, DESIGNATION, AND REGION

FIGURE 5 BREAKDOWN OF PRIMARY INTERVIEWS: BY END USER, DESIGNATION, AND REGION

2.2 MARKET SIZE ESTIMATION

2.2.1 TOTAL MARKET SIZE: BIOPRESERVATION MARKET

2.2.1.1 Approach 1: Bottom-up approach

FIGURE 6 BOTTOM-UP APPROACH: REVENUE-BASED APPROACH

2.2.1.2 Approach 2: Number of biopreservation equipment in biobanks

2.2.1.3 Approach 3: Secondary data and primary interviews

2.2.1.4 Growth forecast

2.2.1.5 CAGR projections

FIGURE 7 CAGR PROJECTIONS: SUPPLY-SIDE ANALYSIS

2.2.2 TOP-DOWN APPROACH

FIGURE 8 BIOPRESERVATION MARKET: TOP-DOWN APPROACH

2.3 MARKET BREAKDOWN AND DATA TRIANGULATION

FIGURE 9 DATA TRIANGULATION METHODOLOGY

2.4 MARKET SHARE ANALYSIS

2.5 STUDY ASSUMPTIONS

2.6 RISK ASSESSMENT

2.7 IMPACT OF RECESSION

3 EXECUTIVE SUMMARY

FIGURE 10 BIOPRESERVATION MARKET, BY PRODUCT, 2024 VS. 2029 (USD BILLION)

FIGURE 11 BIOPRESERVATION MARKET, BY BIOSPECIMEN, 2024 VS. 2029 (USD BILLION)

FIGURE 12 BIOPRESERVATION MARKET, BY APPLICATION, 2024 VS. 2029 (USD BILLION)

FIGURE 13 BIOPRESERVATION MARKET, BY END USER, 2024 VS. 2029 (USD BILLION)

FIGURE 14 GEOGRAPHICAL SNAPSHOT OF BIOPRESERVATION MARKET

4 PREMIUM INSIGHTS

4.1 BIOPRESERVATION MARKET OVERVIEW

FIGURE 15 RISING INVESTMENTS IN REGENERATIVE MEDICINE RESEARCH TO DRIVE MARKET

4.2 ASIA PACIFIC: BIOPRESERVATION MARKET, BY BIOSPECIMEN AND COUNTRY (2023)

FIGURE 16 HUMAN TISSUE SAMPLES SEGMENT ACCOUNTED FOR LARGEST SHARE OF ASIA PACIFIC BIOPRESERVATION MARKET IN 2023

4.3 BIOPRESERVATION MARKET: GEOGRAPHIC GROWTH OPPORTUNITIES

FIGURE 17 CHINA TO REGISTER HIGHEST GROWTH RATE DURING FORECAST PERIOD

4.4 BIOPRESERVATION MARKET: REGIONAL MIX

FIGURE 18 ASIA PACIFIC MARKET TO WITNESS HIGHEST GROWTH FROM 2024 TO 2029

4.5 BIOPRESERVATION MARKET: DEVELOPED VS. DEVELOPING MARKETS

FIGURE 19 DEVELOPING MARKETS TO REGISTER HIGHER GROWTH DURING FORECAST PERIOD

5 MARKET OVERVIEW

5.1 INTRODUCTION

5.2 MARKET DYNAMICS

FIGURE 20 BIOPRESERVATION MARKET DYNAMICS: DRIVERS, RESTRAINTS, OPPORTUNITIES, AND CHALLENGES

5.2.1 DRIVERS

5.2.1.1 Growing healthcare expenditure

5.2.1.2 Increasing R&D investments

5.2.1.3 Advances in biobanking and growing trend of conserving cord blood stem cells of newborns

5.2.1.4 Rising investments in regenerative medicine research

5.2.1.5 Increasing demand for personalized medicine

FIGURE 21 PERCENTAGE OF FDA-APPROVED PERSONALIZED MEDICINES (2015–2022)

5.2.2 RESTRAINTS

5.2.2.1 High cost of advanced techniques

5.2.2.2 Stability issues due to tissue injury during freezing and thawing

5.2.2.3 Issues related to biospecimen sample management

5.2.3 OPPORTUNITIES

5.2.3.1 Asia offers significant growth opportunities

5.2.3.2 Rising demand for organ transplants and cell & gene therapy

5.2.4 CHALLENGES

5.2.4.1 Increasing demand for room temperature storage technologies

5.2.4.2 Storage and transportation logistics

5.3 PRICING ANALYSIS

TABLE 3 AVERAGE SELLING PRICE TREND OF KEY PLAYERS, BY PRODUCT

TABLE 4 AVERAGE SELLING PRICE TREND, BY REGION

5.4 PATENT ANALYSIS

FIGURE 22 PATENT ANALYSIS FOR CRYOGENIC STORAGE SYSTEMS (JANUARY 2014–DECEMBER 2023)

5.5 VALUE CHAIN ANALYSIS

FIGURE 23 VALUE CHAIN ANALYSIS: MAJOR VALUE ADDED DURING MANUFACTURING & ASSEMBLY PHASES

5.6 SUPPLY CHAIN ANALYSIS

FIGURE 24 BIOPRESERVATION MARKET: SUPPLY CHAIN ANALYSIS

5.7 ECOSYSTEM ANALYSIS

FIGURE 25 BIOPRESERVATION MARKET: ECOSYSTEM ANALYSIS

5.7.1 BIOPRESERVATION MARKET: ROLE IN ECOSYSTEM

FIGURE 26 KEY PLAYERS IN BIOPRESERVATION MARKET

5.8 PORTER'S FIVE FORCES ANALYSIS

TABLE 5 BIOPRESERVATION MARKET: PORTER'S FIVE FORCES ANALYSIS

FIGURE 27 BIOPRESERVATION MARKET: PORTER'S FIVE FORCES ANALYSIS

5.8.1 THREAT OF NEW ENTRANTS

5.8.2 THREAT OF SUBSTITUTES

5.8.3 BARGAINING POWER OF SUPPLIERS

5.8.4 BARGAINING POWER OF BUYERS

5.8.5 INTENSITY OF COMPETITIVE RIVALRY

5.9 REGULATORY ANALYSIS

TABLE 6 NORTH AMERICA: LIST OF REGULATORY BODIES, GOVERNMENT AGENCIES, AND OTHER ORGANIZATIONS

TABLE 7 EUROPE: REGULATORY BODIES, GOVERNMENT AGENCIES, AND OTHER ORGANIZATIONS

TABLE 8 ASIA PACIFIC: LIST OF REGULATORY BODIES, GOVERNMENT AGENCIES, AND OTHER ORGANIZATIONS

TABLE 9 LATIN AMERICA: LIST OF REGULATORY BODIES, GOVERNMENT AGENCIES, AND OTHER ORGANIZATIONS

TABLE 10 REST OF THE WORLD: LIST OF REGULATORY BODIES, GOVERNMENT AGENCIES, AND OTHER ORGANIZATIONS

5.9.1 US

5.9.2 EUROPEAN UNION

5.10 TRADE ANALYSIS

TABLE 11 EXPORT DATA FOR HS CODE 841869, BY COUNTRY, 2019–2023 (USD MILLION)

TABLE 12 IMPORT DATA FOR HS CODE 841869, BY COUNTRY, 2019–2023 (USD MILLION)

5.11 TECHNOLOGY ANALYSIS

5.11.1 KEY TECHNOLOGIES

5.11.1.1 Cryopreservation

5.11.1.2 Hypothermic preservation

5.11.2 ADJACENT TECHNOLOGIES

5.11.2.1 Normothermic machine perfusion

5.12 KEY CONFERENCES AND EVENTS IN 2024–2025

TABLE 13 BIOPRESERVATION MARKET: DETAILED LIST OF KEY CONFERENCES AND EVENTS

5.13 TRENDS/DISRUPTIONS IMPACTING CUSTOMER'S BUSINESS

5.13.1 REVENUE SHIFT IN BIOPRESERVATION

5.14 KEY STAKEHOLDERS AND BUYING CRITERIA

5.14.1 KEY STAKEHOLDERS IN BUYING PROCESS

FIGURE 28 INFLUENCE OF STAKEHOLDERS ON BUYING PROCESS OF BIOPRESERVATION PRODUCTS, BY END USER

TABLE 14 INFLUENCE OF STAKEHOLDERS ON BUYING PROCESS OF BIOPRESERVATION PRODUCTS, BY END USER

5.14.2 BUYING CRITERIA

FIGURE 29 KEY BUYING CRITERIA FOR END USERS

TABLE 15 KEY BUYING CRITERIA, BY END USER

5.15 INVESTMENT AND FUNDING SCENARIO

FIGURE 30 BIOPRESERVATION MARKET: INVESTMENT & FUNDING SCENARIO

6 BIOPRESERVATION MARKET, BY PRODUCT

6.1 INTRODUCTION

TABLE 16 BIOPRESERVATION MARKET, BY PRODUCT, 2022–2029 (USD MILLION)

6.2 BIOPRESERVATION MEDIA

TABLE 17 BIOPRESERVATION MEDIA MARKET, BY TYPE, 2022–2029 (USD MILLION)

TABLE 18 BIOPRESERVATION MEDIA MARKET, BY REGION, 2022–2029 (USD MILLION)

TABLE 19 NORTH AMERICA: BIOPRESERVATION MEDIA MARKET, BY COUNTRY, 2022–2029 (USD MILLION)

TABLE 20 EUROPE: BIOPRESERVATION MEDIA MARKET, BY COUNTRY, 2022–2029 (USD MILLION)

TABLE 21 ASIA PACIFIC: BIOPRESERVATION MEDIA MARKET, BY COUNTRY, 2022–2029 (USD MILLION)

TABLE 22 LATIN AMERICA: BIOPRESERVATION MEDIA MARKET, BY COUNTRY, 2022–2029 (USD MILLION)

6.2.1 CRYOPRESERVATION MEDIA

6.2.1.1 Largest and fastest-growing segment of biopreservation media market

TABLE 23 CRYOPRESERVATION MEDIA MARKET, BY REGION, 2022–2029 (USD MILLION)

TABLE 24 NORTH AMERICA: CRYOPRESERVATION MEDIA MARKET, BY COUNTRY, 2022–2029 (USD MILLION)

TABLE 25 EUROPE: CRYOPRESERVATION MEDIA MARKET, BY COUNTRY, 2022–2029 (USD MILLION)

TABLE 26 ASIA PACIFIC: CRYOPRESERVATION MEDIA MARKET, BY COUNTRY, 2022–2029 (USD MILLION)

TABLE 27 LATIN AMERICA: CRYOPRESERVATION MEDIA MARKET, BY COUNTRY, 2022–2029 (USD MILLION)

6.2.2 HYPOTHERMIC PRESERVATION MEDIA

6.2.2.1 Increase in organ transplants to support segment growth

TABLE 28 HYPOTHERMIC PRESERVATION MEDIA MARKET, BY REGION, 2022–2029 (USD MILLION)

TABLE 29 NORTH AMERICA: HYPOTHERMIC PRESERVATION MEDIA MARKET, BY COUNTRY, 2022–2029 (USD MILLION)

TABLE 30 EUROPE: HYPOTHERMIC PRESERVATION MEDIA MARKET, BY COUNTRY, 2022–2029 (USD MILLION)

TABLE 31 ASIA PACIFIC: HYPOTHERMIC PRESERVATION MEDIA MARKET, BY COUNTRY, 2022–2029 (USD MILLION)

TABLE 32 LATIN AMERICA: HYPOTHERMIC PRESERVATION MEDIA MARKET, BY COUNTRY, 2022–2029 (USD MILLION)

6.3 BIOPRESERVATION EQUIPMENT

TABLE 33 BIOPRESERVATION EQUIPMENT MARKET, BY TYPE, 2022–2029 (USD MILLION)

TABLE 34 BIOPRESERVATION EQUIPMENT MARKET, BY REGION, 2022–2029 (USD MILLION)

TABLE 35 NORTH AMERICA: BIOPRESERVATION EQUIPMENT MARKET, BY COUNTRY, 2022–2029 (USD MILLION)

TABLE 36 EUROPE: BIOPRESERVATION EQUIPMENT MARKET, BY COUNTRY, 2022–2029 (USD MILLION)

TABLE 37 ASIA PACIFIC: BIOPRESERVATION EQUIPMENT MARKET, BY COUNTRY, 2022–2029 (USD MILLION)

TABLE 38 LATIN AMERICA: BIOPRESERVATION EQUIPMENT MARKET, BY COUNTRY, 2022–2029 (USD MILLION)

6.3.1 TEMPERATURE CONTROL SYSTEMS

TABLE 39 TEMPERATURE CONTROL SYSTEMS MARKET, BY TYPE, 2022–2029 (USD MILLION)

TABLE 40 TEMPERATURE CONTROL SYSTEMS MARKET, BY REGION, 2022–2029 (USD MILLION)

TABLE 41 NORTH AMERICA: TEMPERATURE CONTROL SYSTEMS MARKET, BY COUNTRY, 2022–2029 (USD MILLION)

TABLE 42 EUROPE: TEMPERATURE CONTROL SYSTEMS MARKET, BY COUNTRY, 2022–2029 (USD MILLION)

TABLE 43 ASIA PACIFIC: TEMPERATURE CONTROL SYSTEMS MARKET, BY

COUNTRY, 2022–2029 (USD MILLION)

TABLE 44 LATIN AMERICA: TEMPERATURE CONTROL SYSTEMS MARKET, BY COUNTRY, 2022–2029 (USD MILLION)

6.3.1.1 Freezers

6.3.1.1.1 Growing demand for advanced energy-efficient ultra-low-temperature freezers to propel market

TABLE 45 FREEZERS MARKET, BY REGION, 2022–2029 (USD MILLION)

TABLE 46 NORTH AMERICA: FREEZERS MARKET, BY COUNTRY, 2022–2029 (USD MILLION)

TABLE 47 EUROPE: FREEZERS MARKET, BY COUNTRY, 2022–2029 (USD MILLION)

TABLE 48 ASIA PACIFIC: FREEZERS MARKET, BY COUNTRY, 2022–2029 (USD MILLION)

TABLE 49 LATIN AMERICA: FREEZERS MARKET, BY COUNTRY, 2022–2029 (USD MILLION)

6.3.1.2 Cryogenic storage systems

6.3.1.2.1 Used for storage of samples below -130°C

TABLE 50 CRYOGENIC STORAGE SYSTEMS MARKET, BY REGION, 2022–2029 (USD MILLION)

TABLE 51 NORTH AMERICA: CRYOGENIC STORAGE SYSTEMS MARKET, BY COUNTRY, 2022–2029 (USD MILLION)

TABLE 52 EUROPE: CRYOGENIC STORAGE SYSTEMS MARKET, BY COUNTRY, 2022–2029 (USD MILLION)

TABLE 53 ASIA PACIFIC: CRYOGENIC STORAGE SYSTEMS MARKET, BY COUNTRY, 2022–2029 (USD MILLION)

TABLE 54 LATIN AMERICA: CRYOGENIC STORAGE SYSTEMS MARKET, BY COUNTRY, 2022–2029 (USD MILLION)

6.3.1.3 Thawing equipment

6.3.1.3.1 Rapid thawing essential for ideal preservation of cells

TABLE 55 THAWING EQUIPMENT MARKET, BY REGION, 2022–2029 (USD MILLION)

TABLE 56 NORTH AMERICA: THAWING EQUIPMENT MARKET, BY COUNTRY, 2022–2029 (USD MILLION)

TABLE 57 EUROPE: THAWING EQUIPMENT MARKET, BY COUNTRY, 2022–2029 (USD MILLION)

TABLE 58 ASIA PACIFIC: THAWING EQUIPMENT MARKET, BY COUNTRY, 2022–2029 (USD MILLION)

TABLE 59 LATIN AMERICA: THAWING EQUIPMENT MARKET, BY COUNTRY, 2022–2029 (USD MILLION)

6.3.1.4 Refrigerators

6.3.1.4.1 Used for storage of samples at constant temperature

TABLE 60 REFRIGERATORS MARKET, BY REGION, 2022–2029 (USD MILLION)

TABLE 61 NORTH AMERICA: REFRIGERATORS MARKET, BY COUNTRY, 2022–2029 (USD MILLION)

TABLE 62 EUROPE: REFRIGERATORS MARKET, BY COUNTRY, 2022–2029 (USD MILLION)

TABLE 63 ASIA PACIFIC: REFRIGERATORS MARKET, BY COUNTRY, 2022–2029 (USD MILLION)

TABLE 64 LATIN AMERICA: REFRIGERATORS MARKET, BY COUNTRY, 2022–2029 (USD MILLION)

6.3.2 ALARM MONITORING SYSTEMS

6.3.2.1 Help scrutinize proper functioning of biopreservation equipment

TABLE 65 ALARM MONITORING SYSTEMS MARKET, BY REGION, 2022–2029 (USD MILLION)

TABLE 66 NORTH AMERICA: ALARM MONITORING SYSTEMS MARKET, BY COUNTRY, 2022–2029 (USD MILLION)

TABLE 67 EUROPE: ALARM MONITORING SYSTEMS MARKET, BY COUNTRY, 2022–2029 (USD MILLION)

TABLE 68 ASIA PACIFIC: ALARM MONITORING SYSTEMS MARKET, BY COUNTRY, 2022–2029 (USD MILLION)

TABLE 69 LATIN AMERICA: ALARM MONITORING SYSTEMS MARKET, BY COUNTRY, 2022–2029 (USD MILLION)

6.3.3 INCUBATORS

6.3.3.1 Help maintain favorable environment for cell growth

TABLE 70 INCUBATORS MARKET, BY REGION, 2022–2029 (USD MILLION)

TABLE 71 NORTH AMERICA: INCUBATORS MARKET, BY COUNTRY, 2022–2029 (USD MILLION)

TABLE 72 EUROPE: INCUBATORS MARKET, BY COUNTRY, 2022–2029 (USD MILLION)

TABLE 73 ASIA PACIFIC: INCUBATORS MARKET, BY COUNTRY, 2022–2029 (USD MILLION)

TABLE 74 LATIN AMERICA: INCUBATORS MARKET, BY COUNTRY, 2022–2029 (USD MILLION)

6.3.4 CENTRIFUGES

6.3.4.1 Used for isolating and separating suspensions and immiscible liquids

TABLE 75 CENTRIFUGES MARKET, BY REGION, 2022–2029 (USD MILLION)

TABLE 76 NORTH AMERICA: CENTRIFUGES MARKET, BY COUNTRY, 2022–2029 (USD MILLION)

TABLE 77 EUROPE: CENTRIFUGES MARKET, BY COUNTRY, 2022–2029 (USD MILLION)

TABLE 78 ASIA PACIFIC: CENTRIFUGES MARKET, BY COUNTRY, 2022–2029 (USD MILLION)

TABLE 79 LATIN AMERICA: CENTRIFUGES MARKET, BY COUNTRY, 2022–2029 (USD MILLION)

6.3.5 OTHER BIOPRESERVATION EQUIPMENT

TABLE 80 OTHER BIOPRESERVATION EQUIPMENT MARKET, BY REGION, 2022–2029 (USD MILLION)

TABLE 81 NORTH AMERICA: OTHER BIOPRESERVATION EQUIPMENT MARKET, BY COUNTRY, 2022–2029 (USD MILLION)

TABLE 82 EUROPE: OTHER BIOPRESERVATION EQUIPMENT MARKET, BY COUNTRY, 2022–2029 (USD MILLION)

TABLE 83 ASIA PACIFIC: OTHER BIOPRESERVATION EQUIPMENT MARKET, BY COUNTRY, 2022–2029 (USD MILLION)

TABLE 84 LATIN AMERICA: OTHER BIOPRESERVATION EQUIPMENT MARKET, BY COUNTRY, 2022–2029 (USD MILLION)

6.4 BIOPRESERVATION ACCESSORIES

6.4.1 INDISPENSABLE AND INTEGRAL COMPONENTS OF BIOPRESERVATION PROCEDURES

TABLE 85 BIOPRESERVATION ACCESSORIES MARKET, BY REGION, 2022–2029 (USD MILLION)

TABLE 86 NORTH AMERICA: BIOPRESERVATION ACCESSORIES MARKET, BY COUNTRY, 2022–2029 (USD MILLION)

TABLE 87 EUROPE: BIOPRESERVATION ACCESSORIES MARKET, BY COUNTRY, 2022–2029 (USD MILLION)

TABLE 88 ASIA PACIFIC: BIOPRESERVATION ACCESSORIES MARKET, BY COUNTRY, 2022–2029 (USD MILLION)

TABLE 89 LATIN AMERICA: BIOPRESERVATION ACCESSORIES MARKET, BY COUNTRY, 2022–2029 (USD MILLION)

7 BIOPRESERVATION MARKET, BY BIOSPECIMEN

7.1 INTRODUCTION

TABLE 90 BIOPRESERVATION MARKET, BY BIOSPECIMEN, 2022–2029 (USD MILLION)

7.2 HUMAN TISSUE SAMPLES

7.2.1 GROWTH IN R&D SPENDING FOR LIFE SCIENCE RESEARCH TO DRIVE MARKET

TABLE 91 BIOPRESERVATION MARKET FOR HUMAN TISSUE SAMPLES, BY REGION, 2022–2029 (USD MILLION)

TABLE 92 NORTH AMERICA: BIOPRESERVATION MARKET FOR HUMAN TISSUE SAMPLES, BY COUNTRY, 2022–2029 (USD MILLION)

TABLE 93 EUROPE: BIOPRESERVATION MARKET FOR HUMAN TISSUE SAMPLES, BY COUNTRY, 2022–2029 (USD MILLION)

TABLE 94 ASIA PACIFIC: BIOPRESERVATION MARKET FOR HUMAN TISSUE SAMPLES, BY COUNTRY, 2022–2029 (USD MILLION)

TABLE 95 LATIN AMERICA: BIOPRESERVATION MARKET FOR HUMAN TISSUE SAMPLES, BY COUNTRY, 2022–2029 (USD MILLION)

7.3 ORGANS

7.3.1 INCREASING NUMBER OF ORGAN TRANSPLANTS TO DRIVE MARKET GROWTH

FIGURE 31 ORGAN TRANSPLANTATION PROCEDURES PERFORMED WORLDWIDE, BY ORGAN TYPE (2024)

TABLE 96 BIOPRESERVATION MARKET FOR ORGANS, BY REGION, 2022–2029 (USD MILLION)

TABLE 97 NORTH AMERICA: BIOPRESERVATION MARKET FOR ORGANS, BY COUNTRY, 2022–2029 (USD MILLION)

TABLE 98 EUROPE: BIOPRESERVATION MARKET FOR ORGANS, BY COUNTRY, 2022–2029 (USD MILLION)

TABLE 99 ASIA PACIFIC: BIOPRESERVATION MARKET FOR ORGANS, BY COUNTRY, 2022–2029 (USD MILLION)

TABLE 100 LATIN AMERICA: BIOPRESERVATION MARKET FOR ORGANS, BY COUNTRY, 2022–2029 (USD MILLION)

7.4 STEM CELLS

7.4.1 ADVANCEMENTS IN STEM CELL THERAPY TO PROPEL MARKET

TABLE 101 BIOPRESERVATION MARKET FOR STEM CELLS, BY REGION, 2022–2029 (USD MILLION)

TABLE 102 NORTH AMERICA: BIOPRESERVATION MARKET FOR STEM CELLS, BY COUNTRY, 2022–2029 (USD MILLION)

TABLE 103 EUROPE: BIOPRESERVATION MARKET FOR STEM CELLS, BY COUNTRY, 2022–2029 (USD MILLION)

TABLE 104 ASIA PACIFIC: BIOPRESERVATION MARKET FOR STEM CELLS, BY COUNTRY, 2022–2029 (USD MILLION)

TABLE 105 LATIN AMERICA: BIOPRESERVATION MARKET FOR STEM CELLS, BY COUNTRY, 2022–2029 (USD MILLION)

7.5 OTHER BIOSPECIMENS

TABLE 106 BIOPRESERVATION MARKET FOR OTHER BIOSPECIMENS, BY

REGION, 2022–2029 (USD MILLION)

TABLE 107 NORTH AMERICA: BIOPRESERVATION MARKET FOR OTHER BIOSPECIMENS, BY COUNTRY, 2022–2029 (USD MILLION)

TABLE 108 EUROPE: BIOPRESERVATION MARKET FOR OTHER BIOSPECIMENS, BY COUNTRY, 2022–2029 (USD MILLION)

TABLE 109 ASIA PACIFIC: BIOPRESERVATION MARKET FOR OTHER BIOSPECIMENS, BY COUNTRY, 2022–2029 (USD MILLION)

TABLE 110 LATIN AMERICA: BIOPRESERVATION MARKET FOR OTHER BIOSPECIMENS, BY COUNTRY, 2022–2029 (USD MILLION)

8 BIOPRESERVATION MARKET, BY APPLICATION

8.1 INTRODUCTION

TABLE 111 BIOPRESERVATION MARKET, BY APPLICATION, 2022–2029 (USD MILLION)

8.2 RESEARCH APPLICATIONS

8.2.1 GOVERNMENT INITIATIVES TO SUPPORT MARKET GROWTH

TABLE 112 BIOPRESERVATION MARKET FOR RESEARCH APPLICATIONS, BY REGION, 2022–2029 (USD MILLION)

TABLE 113 NORTH AMERICA: BIOPRESERVATION MARKET FOR RESEARCH APPLICATIONS, BY COUNTRY, 2022–2029 (USD MILLION)

TABLE 114 EUROPE: BIOPRESERVATION MARKET FOR RESEARCH APPLICATIONS, BY COUNTRY, 2022–2029 (USD MILLION)

TABLE 115 ASIA PACIFIC: BIOPRESERVATION MARKET FOR RESEARCH APPLICATIONS, BY COUNTRY, 2022–2029 (USD MILLION)

TABLE 116 LATIN AMERICA: BIOPRESERVATION MARKET FOR RESEARCH APPLICATIONS, BY COUNTRY, 2022–2029 (USD MILLION)

8.3 THERAPEUTIC APPLICATIONS

8.3.1 INCREASING UTILIZATION OF STEM CELLS FOR TREATMENT OF DISEASES TO DRIVE MARKET

TABLE 117 BIOPRESERVATION MARKET FOR THERAPEUTIC APPLICATIONS, BY REGION, 2022–2029 (USD MILLION)

TABLE 118 NORTH AMERICA: BIOPRESERVATION MARKET FOR THERAPEUTIC APPLICATIONS, BY COUNTRY, 2022–2029 (USD MILLION)

TABLE 119 EUROPE: BIOPRESERVATION MARKET FOR THERAPEUTIC APPLICATIONS, BY COUNTRY, 2022–2029 (USD MILLION)

TABLE 120 ASIA PACIFIC: BIOPRESERVATION MARKET FOR THERAPEUTIC APPLICATIONS, BY COUNTRY, 2022–2029 (USD MILLION)

TABLE 121 LATIN AMERICA: BIOPRESERVATION MARKET FOR THERAPEUTIC

APPLICATIONS, BY COUNTRY, 2022–2029 (USD MILLION)

8.4 OTHER APPLICATIONS

TABLE 122 BIOPRESERVATION MARKET FOR OTHER APPLICATIONS, BY REGION, 2022–2029 (USD MILLION)

TABLE 123 NORTH AMERICA: BIOPRESERVATION MARKET FOR OTHER APPLICATIONS, BY COUNTRY, 2022–2029 (USD MILLION)

TABLE 124 EUROPE: BIOPRESERVATION MARKET FOR OTHER APPLICATIONS, BY COUNTRY, 2022–2029 (USD MILLION)

TABLE 125 ASIA PACIFIC: BIOPRESERVATION MARKET FOR OTHER APPLICATIONS, BY COUNTRY, 2022–2029 (USD MILLION)

TABLE 126 LATIN AMERICA: BIOPRESERVATION MARKET FOR OTHER APPLICATIONS, BY COUNTRY, 2022–2029 (USD MILLION)

9 BIOPRESERVATION MARKET, BY END USER

9.1 INTRODUCTION

TABLE 127 BIOPRESERVATION MARKET, BY END USER, 2022–2029 (USD MILLION)

9.2 BIOBANKS

9.2.1 INCREASING RESEARCH IN FIELD OF PERSONALIZED MEDICINE TO DRIVE MARKET

TABLE 128 BIOPRESERVATION MARKET FOR BIOBANKS, BY REGION, 2022–2029 (USD MILLION)

TABLE 129 NORTH AMERICA: BIOPRESERVATION MARKET FOR BIOBANKS, BY COUNTRY, 2022–2029 (USD MILLION)

TABLE 130 EUROPE: BIOPRESERVATION MARKET FOR BIOBANKS, BY COUNTRY, 2022–2029 (USD MILLION)

TABLE 131 ASIA PACIFIC: BIOPRESERVATION MARKET FOR BIOBANKS, BY COUNTRY, 2022–2029 (USD MILLION)

TABLE 132 LATIN AMERICA: BIOPRESERVATION MARKET FOR BIOBANKS, BY COUNTRY, 2022–2029 (USD MILLION)

9.3 GENE BANKS

9.3.1 GROWING GENE THERAPY APPROVALS TO SUPPORT MARKET GROWTH

TABLE 133 BIOPRESERVATION MARKET FOR GENE BANKS, BY REGION, 2022–2029 (USD MILLION)

TABLE 134 NORTH AMERICA: BIOPRESERVATION MARKET FOR GENE BANKS, BY COUNTRY, 2022–2029 (USD MILLION)

TABLE 135 EUROPE: BIOPRESERVATION MARKET FOR GENE BANKS, BY COUNTRY, 2022–2029 (USD MILLION)

TABLE 136 ASIA PACIFIC: BIOPRESERVATION MARKET FOR GENE BANKS, BY COUNTRY, 2022–2029 (USD MILLION)

TABLE 137 LATIN AMERICA: BIOPRESERVATION MARKET FOR GENE BANKS, BY COUNTRY, 2022–2029 (USD MILLION)

9.4 HOSPITALS

9.4.1 GROWING NUMBER OF ORGAN TRANSPLANT PROCEDURES TO PROPEL MARKET

TABLE 138 BIOPRESERVATION MARKET FOR HOSPITALS, BY REGION, 2022–2029 (USD MILLION)

TABLE 139 NORTH AMERICA: BIOPRESERVATION MARKET FOR HOSPITALS, BY COUNTRY, 2022–2029 (USD MILLION)

TABLE 140 EUROPE: BIOPRESERVATION MARKET FOR HOSPITALS, BY COUNTRY, 2022–2029 (USD MILLION)

TABLE 141 ASIA PACIFIC: BIOPRESERVATION MARKET FOR HOSPITALS, BY COUNTRY, 2022–2029 (USD MILLION)

TABLE 142 LATIN AMERICA: BIOPRESERVATION MARKET FOR HOSPITALS, BY COUNTRY, 2022–2029 (USD MILLION)

9.5 OTHER END USERS

TABLE 143 BIOPRESERVATION MARKET FOR OTHER END USERS, BY REGION, 2022–2029 (USD MILLION)

TABLE 144 NORTH AMERICA: BIOPRESERVATION MARKET FOR OTHER END USERS, BY COUNTRY, 2022–2029 (USD MILLION)

TABLE 145 EUROPE: BIOPRESERVATION MARKET FOR OTHER END USERS, BY COUNTRY, 2022–2029 (USD MILLION)

TABLE 146 ASIA PACIFIC: BIOPRESERVATION MARKET FOR OTHER END USERS, BY COUNTRY, 2022–2029 (USD MILLION)

TABLE 147 LATIN AMERICA: BIOPRESERVATION MARKET FOR OTHER END USERS, BY COUNTRY, 2022–2029 (USD MILLION)

10 BIOPRESERVATION MARKET, BY REGION

10.1 INTRODUCTION

TABLE 148 BIOPRESERVATION MARKET, BY REGION, 2022–2029 (USD MILLION)

10.2 NORTH AMERICA

FIGURE 32 NORTH AMERICA: BIOPRESERVATION MARKET SNAPSHOT

TABLE 149 NORTH AMERICA: BIOPRESERVATION MARKET, BY COUNTRY, 2022–2029 (USD MILLION)

TABLE 150 NORTH AMERICA: BIOPRESERVATION MARKET, BY PRODUCT, 2022–2029 (USD MILLION)

TABLE 151 NORTH AMERICA: BIOPRESERVATION MEDIA MARKET, BY TYPE, 2022–2029 (USD MILLION)

TABLE 152 NORTH AMERICA: BIOPRESERVATION EQUIPMENT MARKET, BY TYPE, 2022–2029 (USD MILLION)

TABLE 153 NORTH AMERICA: TEMPERATURE CONTROL SYSTEMS MARKET, BY TYPE, 2022–2029 (USD MILLION)

TABLE 154 NORTH AMERICA: BIOPRESERVATION MARKET, BY BIOSPECIMEN, 2022–2029 (USD MILLION)

TABLE 155 NORTH AMERICA: BIOPRESERVATION MARKET, BY APPLICATION, 2022–2029 (USD MILLION)

TABLE 156 NORTH AMERICA: BIOPRESERVATION MARKET, BY END USER, 2022–2029 (USD MILLION)

10.2.1 RECESSION IMPACT: NORTH AMERICA

10.2.2 US

10.2.2.1 High incidence of chronic and genetic diseases to drive market

TABLE 157 US: BIOPRESERVATION MARKET, BY PRODUCT, 2022–2029 (USD MILLION)

TABLE 158 US: BIOPRESERVATION MEDIA MARKET, BY TYPE, 2022–2029 (USD MILLION)

TABLE 159 US: BIOPRESERVATION EQUIPMENT MARKET, BY TYPE, 2022–2029 (USD MILLION)

TABLE 160 US: TEMPERATURE CONTROL SYSTEMS MARKET, BY TYPE, 2022–2029 (USD MILLION)

TABLE 161 US: BIOPRESERVATION MARKET, BY BIOSPECIMEN, 2022–2029 (USD MILLION)

TABLE 162 US: BIOPRESERVATION MARKET, BY APPLICATION, 2022–2029 (USD MILLION)

TABLE 163 US: BIOPRESERVATION MARKET, BY END USER, 2022–2029 (USD MILLION)

TABLE 164 US: BIOPRESERVATION MARKET, BY TRANSPLANT TYPE, 2022–2029 (THOUSAND)

10.2.3 CANADA

10.2.3.1 Government funding for research and innovation to support market growth

TABLE 165 CANADA: BIOPRESERVATION MARKET, BY PRODUCT, 2022–2029 (USD MILLION)

TABLE 166 CANADA: BIOPRESERVATION MEDIA MARKET, BY TYPE, 2022–2029 (USD MILLION)

TABLE 167 CANADA: BIOPRESERVATION EQUIPMENT MARKET, BY TYPE, 2022–2029 (USD MILLION)

TABLE 168 CANADA: TEMPERATURE CONTROL SYSTEMS MARKET, BY TYPE, 2022–2029 (USD MILLION)

TABLE 169 CANADA: BIOPRESERVATION MARKET, BY BIOSPECIMEN, 2022–2029 (USD MILLION)

TABLE 170 CANADA: BIOPRESERVATION MARKET, BY APPLICATION, 2022–2029 (USD MILLION)

TABLE 171 CANADA: BIOPRESERVATION MARKET, BY END USER, 2022–2029 (USD MILLION)

10.3 EUROPE

10.3.1 EUROPE: RECESSION IMPACT

TABLE 172 EUROPE: BIOPRESERVATION MARKET, BY COUNTRY, 2022–2029 (USD MILLION)

TABLE 173 EUROPE: BIOPRESERVATION MARKET, BY PRODUCT, 2022–2029 (USD MILLION)

TABLE 174 EUROPE: BIOPRESERVATION MEDIA MARKET, BY TYPE, 2022–2029 (USD MILLION)

TABLE 175 EUROPE: BIOPRESERVATION EQUIPMENT MARKET, BY TYPE, 2022–2029 (USD MILLION)

TABLE 176 EUROPE: TEMPERATURE CONTROL SYSTEMS MARKET, BY TYPE, 2022–2029 (USD MILLION)

TABLE 177 EUROPE: BIOPRESERVATION MARKET, BY BIOSPECIMEN, 2022–2029 (USD MILLION)

TABLE 178 EUROPE: BIOPRESERVATION MARKET, BY APPLICATION, 2022–2029 (USD MILLION)

TABLE 179 EUROPE: BIOPRESERVATION MARKET, BY END USER, 2022–2029 (USD MILLION)

10.3.2 GERMANY

10.3.2.1 Presence of advanced infrastructure to propel market

TABLE 180 GERMANY: BIOPRESERVATION MARKET, BY PRODUCT, 2022–2029 (USD MILLION)

TABLE 181 GERMANY: BIOPRESERVATION MEDIA MARKET, BY TYPE, 2022–2029 (USD MILLION)

TABLE 182 GERMANY: BIOPRESERVATION EQUIPMENT MARKET, BY TYPE, 2022–2029 (USD MILLION)

TABLE 183 GERMANY: TEMPERATURE CONTROL SYSTEMS MARKET, BY TYPE, 2022–2029 (USD MILLION)

TABLE 184 GERMANY: BIOPRESERVATION MARKET, BY BIOSPECIMEN, 2022–2029 (USD MILLION)

TABLE 185 GERMANY: BIOPRESERVATION MARKET, BY APPLICATION,

2022–2029 (USD MILLION)

TABLE 186 GERMANY: BIOPRESERVATION MARKET, BY END USER, 2022–2029
(USD MILLION)

10.3.3 UK

10.3.3.1 High R&D expenditure to drive market

TABLE 187 UK: BIOPRESERVATION MARKET, BY PRODUCT, 2022–2029 (USD
MILLION)

TABLE 188 UK: BIOPRESERVATION MEDIA MARKET, BY TYPE, 2022–2029 (USD
MILLION)

TABLE 189 UK: BIOPRESERVATION EQUIPMENT MARKET, BY TYPE, 2022–2029
(USD MILLION)

TABLE 190 UK: TEMPERATURE CONTROL SYSTEMS MARKET, BY TYPE,
2022–2029 (USD MILLION)

TABLE 191 UK: BIOPRESERVATION MARKET, BY BIOSPECIMEN, 2022–2029 (USD
MILLION)

TABLE 192 UK: BIOPRESERVATION MARKET, BY APPLICATION, 2022–2029 (USD
MILLION)

TABLE 193 UK: BIOPRESERVATION MARKET, BY END USER, 2022–2029 (USD
MILLION)

10.3.4 FRANCE

10.3.4.1 Advances in research activities to support market growth

TABLE 194 FRANCE: BIOPRESERVATION MARKET, BY PRODUCT, 2022–2029
(USD MILLION)

TABLE 195 FRANCE: BIOPRESERVATION MEDIA MARKET, BY TYPE, 2022–2029
(USD MILLION)

TABLE 196 FRANCE: BIOPRESERVATION EQUIPMENT MARKET, BY TYPE,
2022–2029 (USD MILLION)

TABLE 197 FRANCE: TEMPERATURE CONTROL SYSTEMS MARKET, BY TYPE,
2022–2029 (USD MILLION)

TABLE 198 FRANCE: BIOPRESERVATION MARKET, BY BIOSPECIMEN, 2022–2029
(USD MILLION)

TABLE 199 FRANCE: BIOPRESERVATION MARKET, BY APPLICATION, 2022–2029
(USD MILLION)

TABLE 200 FRANCE: BIOPRESERVATION MARKET, BY END USER, 2022–2029
(USD MILLION)

10.3.5 ITALY

10.3.5.1 Increase in life sciences research projects to drive market

TABLE 201 ITALY: BIOPRESERVATION MARKET, BY PRODUCT, 2022–2029 (USD
MILLION)

TABLE 202 ITALY: BIOPRESERVATION MEDIA MARKET, BY TYPE, 2022–2029
(USD MILLION)

TABLE 203 ITALY: BIOPRESERVATION EQUIPMENT MARKET, BY TYPE,
2022–2029 (USD MILLION)

TABLE 204 ITALY: TEMPERATURE CONTROL SYSTEMS MARKET, BY TYPE,
2022–2029 (USD MILLION)

TABLE 205 ITALY: BIOPRESERVATION MARKET, BY BIOSPECIMEN, 2022–2029
(USD MILLION)

TABLE 206 ITALY: BIOPRESERVATION MARKET, BY APPLICATION, 2022–2029
(USD MILLION)

TABLE 207 ITALY: BIOPRESERVATION MARKET, BY END USER, 2022–2029 (USD
MILLION)

10.3.6 SPAIN

10.3.6.1 Government initiatives for development of healthcare system to support
market growth

TABLE 208 SPAIN: BIOPRESERVATION MARKET, BY PRODUCT, 2022–2029 (USD
MILLION)

TABLE 209 SPAIN: BIOPRESERVATION MEDIA MARKET, BY TYPE, 2022–2029
(USD MILLION)

TABLE 210 SPAIN: BIOPRESERVATION EQUIPMENT MARKET, BY TYPE,
2022–2029 (USD MILLION)

TABLE 211 SPAIN: TEMPERATURE CONTROL SYSTEMS MARKET, BY TYPE,
2022–2029 (USD MILLION)

TABLE 212 SPAIN: BIOPRESERVATION MARKET, BY BIOSPECIMEN, 2022–2029
(USD MILLION)

TABLE 213 SPAIN: BIOPRESERVATION MARKET, BY APPLICATION, 2022–2029
(USD MILLION)

TABLE 214 SPAIN: BIOPRESERVATION MARKET, BY END USER, 2022–2029 (USD
MILLION)

10.3.7 REST OF EUROPE

TABLE 215 REST OF EUROPE: BIOPRESERVATION MARKET, BY PRODUCT,
2022–2029 (USD MILLION)

TABLE 216 REST OF EUROPE: BIOPRESERVATION MEDIA MARKET, BY TYPE,
2022–2029 (USD MILLION)

TABLE 217 REST OF EUROPE: BIOPRESERVATION EQUIPMENT MARKET, BY
TYPE, 2022–2029 (USD MILLION)

TABLE 218 REST OF EUROPE: TEMPERATURE CONTROL SYSTEMS MARKET, BY
TYPE, 2022–2029 (USD MILLION)

TABLE 219 REST OF EUROPE: BIOPRESERVATION MARKET, BY BIOSPECIMEN,

2022–2029 (USD MILLION)

TABLE 220 REST OF EUROPE: BIOPRESERVATION MARKET, BY APPLICATION,
2022–2029 (USD MILLION)

TABLE 221 REST OF EUROPE: BIOPRESERVATION MARKET, BY END USER,
2022–2029 (USD MILLION)

10.4 ASIA PACIFIC

10.4.1 ASIA PACIFIC: RECESSION IMPACT

FIGURE 33 ASIA PACIFIC: BIOPRESERVATION MARKET SNAPSHOT

TABLE 222 ASIA PACIFIC: BIOPRESERVATION MARKET, BY COUNTRY,
2022–2029 (USD MILLION)

TABLE 223 ASIA PACIFIC: BIOPRESERVATION MARKET, BY PRODUCT,
2022–2029 (USD MILLION)

TABLE 224 ASIA PACIFIC: BIOPRESERVATION MEDIA MARKET, BY TYPE,
2022–2029 (USD MILLION)

TABLE 225 ASIA PACIFIC: BIOPRESERVATION EQUIPMENT MARKET, BY TYPE,
2022–2029 (USD MILLION)

TABLE 226 ASIA PACIFIC: TEMPERATURE CONTROL SYSTEMS MARKET, BY
TYPE, 2022–2029 (USD MILLION)

TABLE 227 ASIA PACIFIC: BIOPRESERVATION MARKET, BY BIOSPECIMEN,
2022–2029 (USD MILLION)

TABLE 228 ASIA PACIFIC: BIOPRESERVATION MARKET, BY APPLICATION,
2022–2029 (USD MILLION)

TABLE 229 ASIA PACIFIC: BIOPRESERVATION MARKET, BY END USER,
2022–2029 (USD MILLION)

10.4.2 CHINA

10.4.2.1 High research and development expenditure to propel market

TABLE 230 CHINA: BIOPRESERVATION MARKET, BY PRODUCT, 2022–2029 (USD
MILLION)

TABLE 231 CHINA: BIOPRESERVATION MEDIA MARKET, BY TYPE, 2022–2029
(USD MILLION)

TABLE 232 CHINA: BIOPRESERVATION EQUIPMENT MARKET, BY TYPE,
2022–2029 (USD MILLION)

TABLE 233 CHINA: TEMPERATURE CONTROL SYSTEMS MARKET, BY TYPE,
2022–2029 (USD MILLION)

TABLE 234 CHINA: BIOPRESERVATION MARKET, BY BIOSPECIMEN, 2022–2029
(USD MILLION)

TABLE 235 CHINA: BIOPRESERVATION MARKET, BY APPLICATION, 2022–2029
(USD MILLION)

TABLE 236 CHINA: BIOPRESERVATION MARKET, BY END USER, 2022–2029 (USD

MILLION)

10.4.3 JAPAN

10.4.3.1 Government initiatives to support market growth

TABLE 237 JAPAN: BIOPRESERVATION MARKET, BY PRODUCT, 2022–2029 (USD MILLION)

TABLE 238 JAPAN: BIOPRESERVATION MEDIA MARKET, BY TYPE, 2022–2029 (USD MILLION)

TABLE 239 JAPAN: BIOPRESERVATION EQUIPMENT MARKET, BY TYPE, 2022–2029 (USD MILLION)

TABLE 240 JAPAN: TEMPERATURE CONTROL SYSTEMS MARKET, BY TYPE, 2022–2029 (USD MILLION)

TABLE 241 JAPAN: BIOPRESERVATION MARKET, BY BIOSPECIMEN, 2022–2029 (USD MILLION)

TABLE 242 JAPAN: BIOPRESERVATION MARKET, BY APPLICATION, 2022–2029 (USD MILLION)

TABLE 243 JAPAN: BIOPRESERVATION MARKET, BY END USER, 2022–2029 (USD MILLION)

10.4.4 INDIA

10.4.4.1 Increasing investments in research activities to support market growth

TABLE 244 INDIA: BIOPRESERVATION MARKET, BY PRODUCT, 2022–2029 (USD MILLION)

TABLE 245 INDIA: BIOPRESERVATION MEDIA MARKET, BY TYPE, 2022–2029 (USD MILLION)

TABLE 246 INDIA: BIOPRESERVATION EQUIPMENT MARKET, BY TYPE, 2022–2029 (USD MILLION)

TABLE 247 INDIA: TEMPERATURE CONTROL SYSTEMS MARKET, BY TYPE, 2022–2029 (USD MILLION)

TABLE 248 INDIA: BIOPRESERVATION MARKET, BY BIOSPECIMEN, 2022–2029 (USD MILLION)

TABLE 249 INDIA: BIOPRESERVATION MARKET, BY APPLICATION, 2022–2029 (USD MILLION)

TABLE 250 INDIA: BIOPRESERVATION MARKET, BY END USER, 2022–2029 (USD MILLION)

10.4.5 REST OF ASIA PACIFIC

TABLE 251 REST OF ASIA PACIFIC: BIOPRESERVATION MARKET, BY PRODUCT, 2022–2029 (USD MILLION)

TABLE 252 REST OF ASIA PACIFIC: BIOPRESERVATION MEDIA MARKET, BY TYPE, 2022–2029 (USD MILLION)

TABLE 253 REST OF ASIA PACIFIC: BIOPRESERVATION EQUIPMENT MARKET,

BY TYPE, 2022–2029 (USD MILLION)

TABLE 254 REST OF ASIA PACIFIC: TEMPERATURE CONTROL SYSTEMS MARKET, BY TYPE, 2022–2029 (USD MILLION)

TABLE 255 REST OF ASIA PACIFIC: BIOPRESERVATION MARKET, BY BIOSPECIMEN, 2022–2029 (USD MILLION)

TABLE 256 REST OF ASIA PACIFIC: BIOPRESERVATION MARKET, BY APPLICATION, 2022–2029 (USD MILLION)

TABLE 257 REST OF ASIA PACIFIC: BIOPRESERVATION MARKET, BY END USER, 2022–2029 (USD MILLION)

10.5 LATIN AMERICA

10.5.1 LATIN AMERICA: RECESSION IMPACT

TABLE 258 LATIN AMERICA: BIOPRESERVATION MARKET, BY COUNTRY, 2022–2029 (USD MILLION)

TABLE 259 LATIN AMERICA: BIOPRESERVATION MARKET, BY PRODUCT, 2022–2029 (USD MILLION)

TABLE 260 LATIN AMERICA: BIOPRESERVATION MEDIA MARKET, BY TYPE, 2022–2029 (USD MILLION)

TABLE 261 LATIN AMERICA: BIOPRESERVATION EQUIPMENT MARKET, BY TYPE, 2022–2029 (USD MILLION)

TABLE 262 LATIN AMERICA: TEMPERATURE CONTROL SYSTEMS MARKET, BY TYPE, 2022–2029 (USD MILLION)

TABLE 263 LATIN AMERICA: BIOPRESERVATION MARKET, BY BIOSPECIMEN, 2022–2029 (USD MILLION)

TABLE 264 LATIN AMERICA: BIOPRESERVATION MARKET, BY APPLICATION, 2022–2029 (USD MILLION)

TABLE 265 LATIN AMERICA: BIOPRESERVATION MARKET, BY END USER, 2022–2029 (USD MILLION)

10.5.2 BRAZIL

10.5.2.1 High investments in pharmaceutical R&D to propel market

TABLE 266 BRAZIL: BIOPRESERVATION MARKET, BY PRODUCT, 2022–2029 (USD MILLION)

TABLE 267 BRAZIL: BIOPRESERVATION MEDIA MARKET, BY TYPE, 2022–2029 (USD MILLION)

TABLE 268 BRAZIL: BIOPRESERVATION EQUIPMENT MARKET, BY TYPE, 2022–2029 (USD MILLION)

TABLE 269 BRAZIL: TEMPERATURE CONTROL SYSTEMS MARKET, BY TYPE, 2022–2029 (USD MILLION)

TABLE 270 BRAZIL: BIOPRESERVATION MARKET, BY BIOSPECIMEN, 2022–2029 (USD MILLION)

TABLE 271 BRAZIL: BIOPRESERVATION MARKET, BY APPLICATION, 2022–2029
(USD MILLION)

TABLE 272 BRAZIL: BIOPRESERVATION MARKET, BY END USER, 2022–2029
(USD MILLION)

10.5.3 MEXICO

10.5.3.1 Growth in pharmaceutical industry to support market growth

TABLE 273 MEXICO: BIOPRESERVATION MARKET, BY PRODUCT, 2022–2029
(USD MILLION)

TABLE 274 MEXICO: BIOPRESERVATION MEDIA MARKET, BY TYPE, 2022–2029
(USD MILLION)

TABLE 275 MEXICO: BIOPRESERVATION EQUIPMENT MARKET, BY TYPE,
2022–2029 (USD MILLION)

TABLE 276 MEXICO: TEMPERATURE CONTROL SYSTEMS MARKET, BY TYPE,
2022–2029 (USD MILLION)

TABLE 277 MEXICO: BIOPRESERVATION MARKET, BY BIOSPECIMEN, 2022–2029
(USD MILLION)

TABLE 278 MEXICO: BIOPRESERVATION MARKET, BY APPLICATION, 2022–2029
(USD MILLION)

TABLE 279 MEXICO: BIOPRESERVATION MARKET, BY END USER, 2022–2029
(USD MILLION)

10.5.4 REST OF LATIN AMERICA

TABLE 280 REST OF LATIN AMERICA: BIOPRESERVATION MARKET, BY
PRODUCT, 2022–2029 (USD MILLION)

TABLE 281 REST OF LATIN AMERICA: BIOPRESERVATION MEDIA MARKET, BY
TYPE, 2022–2029 (USD MILLION)

TABLE 282 REST OF LATIN AMERICA: BIOPRESERVATION EQUIPMENT MARKET,
BY TYPE, 2022–2029 (USD MILLION)

TABLE 283 REST OF LATIN AMERICA: TEMPERATURE CONTROL SYSTEMS
MARKET, BY TYPE, 2022–2029 (USD MILLION)

TABLE 284 REST OF LATIN AMERICA: BIOPRESERVATION MARKET, BY
BIOSPECIMEN, 2022–2029 (USD MILLION)

TABLE 285 REST OF LATIN AMERICA: BIOPRESERVATION MARKET, BY
APPLICATION, 2022–2029 (USD MILLION)

TABLE 286 REST OF LATIN AMERICA: BIOPRESERVATION MARKET, BY END
USER, 2022–2029 (USD MILLION)

10.6 MIDDLE EAST & AFRICA

10.6.1 GROWING INVESTMENTS IN STEM CELL RESEARCH TO DRIVE MARKET

10.6.2 MIDDLE EAST & AFRICA: RECESSION IMPACT

TABLE 287 MIDDLE EAST & AFRICA: BIOPRESERVATION MARKET, BY PRODUCT,

2022–2029 (USD MILLION)

TABLE 288 MIDDLE EAST & AFRICA: BIOPRESERVATION MEDIA MARKET, BY TYPE, 2022–2029 (USD MILLION)

TABLE 289 MIDDLE EAST & AFRICA: BIOPRESERVATION EQUIPMENT MARKET, BY TYPE, 2022–2029 (USD MILLION)

TABLE 290 MIDDLE EAST & AFRICA: TEMPERATURE CONTROL SYSTEMS MARKET, BY TYPE, 2022–2029 (USD MILLION)

TABLE 291 MIDDLE EAST & AFRICA: BIOPRESERVATION MARKET, BY BIOSPECIMEN, 2022–2029 (USD MILLION)

TABLE 292 MIDDLE EAST & AFRICA: BIOPRESERVATION MARKET, BY APPLICATION, 2022–2029 (USD MILLION)

TABLE 293 MIDDLE EAST & AFRICA: BIOPRESERVATION MARKET, BY END USER, 2022–2029 (USD MILLION)

10.7 GCC COUNTRIES

10.7.1 INCREASING HEALTHCARE SPENDING TO DRIVE MARKET

10.7.2 GCC COUNTRIES: RECESSION IMPACT

TABLE 294 GCC COUNTRIES: BIOPRESERVATION MARKET, BY PRODUCT, 2022–2029 (USD MILLION)

TABLE 295 GCC COUNTRIES: BIOPRESERVATION MEDIA MARKET, BY TYPE, 2022–2029 (USD MILLION)

TABLE 296 GCC COUNTRIES: BIOPRESERVATION EQUIPMENT MARKET, BY TYPE, 2022–2029 (USD MILLION)

TABLE 297 GCC COUNTRIES: TEMPERATURE CONTROL SYSTEMS MARKET, BY TYPE, 2022–2029 (USD MILLION)

TABLE 298 GCC COUNTRIES: BIOPRESERVATION MARKET, BY BIOSPECIMEN, 2022–2029 (USD MILLION)

TABLE 299 GCC COUNTRIES: BIOPRESERVATION MARKET, BY APPLICATION, 2022–2029 (USD MILLION)

TABLE 300 GCC COUNTRIES: BIOPRESERVATION MARKET, BY END USER, 2022–2029 (USD MILLION)

11 COMPETITIVE LANDSCAPE

11.1 OVERVIEW

11.2 KEY PLAYER STRATEGIES/RIGHT TO WIN

TABLE 301 OVERVIEW OF STRATEGIES ADOPTED BY KEY BIOPRESERVATION COMPANIES

11.3 REVENUE ANALYSIS

FIGURE 34 REVENUE ANALYSIS FOR KEY COMPANIES IN BIOPRESERVATION

MARKET, 2019–2023 (USD MILLION)

11.4 MARKET SHARE ANALYSIS

FIGURE 35 BIOPRESERVATION MARKET SHARE ANALYSIS, BY KEY PLAYER (2023)

TABLE 302 BIOPRESERVATION MARKET: DEGREE OF COMPETITION

11.5 COMPANY EVALUATION MATRIX: KEY PLAYERS, 2023

11.5.1 STARS

11.5.2 EMERGING LEADERS

11.5.3 PERVASIVE PLAYERS

11.5.4 PARTICIPANTS

FIGURE 36 BIOPRESERVATION MARKET: COMPANY EVALUATION MATRIX (KEY PLAYERS), 2023

11.5.5 COMPANY FOOTPRINT: KEY PLAYERS, 2023

11.5.5.1 Company footprint

FIGURE 37 BIOPRESERVATION MARKET: COMPANY FOOTPRINT

11.5.5.2 Regional footprint

TABLE 303 BIOPRESERVATION MARKET: REGIONAL FOOTPRINT

11.5.5.3 Product footprint

TABLE 304 BIOPRESERVATION MARKET: PRODUCT FOOTPRINT

11.5.5.4 Biospecimen footprint

TABLE 305 BIOPRESERVATION MARKET: BIOSPECIMEN FOOTPRINT

11.5.5.5 Application footprint

TABLE 306 BIOPRESERVATION MARKET: APPLICATION FOOTPRINT

11.6 COMPANY EVALUATION MATRIX: STARTUPS/SMES, 2023

11.6.1 PROGRESSIVE COMPANIES

11.6.2 STARTING BLOCKS

11.6.3 RESPONSIVE COMPANIES

11.6.4 DYNAMIC COMPANIES

FIGURE 38 BIOPRESERVATION MARKET: COMPANY EVALUATION MATRIX (STARTUPS/SMES), 2023

11.6.5 COMPETITIVE BENCHMARKING

TABLE 307 BIOPRESERVATION MARKET: DETAILED LIST OF KEY STARTUPS/SMES

11.6.6 COMPANY FOOTPRINT: STARTUPS/SMES, 2023

11.6.6.1 Company footprint

TABLE 308 BIOPRESERVATION MARKET: COMPANY FOOTPRINT (STARTUPS/SMES)

11.6.6.2 Product footprint

TABLE 309 BIOPRESERVATION MARKET: PRODUCT FOOTPRINT

(STARTUPS/SMES)

11.6.6.3 Regional footprint

TABLE 310 BIOPRESERVATION MARKET: REGIONAL FOOTPRINT

(STARTUPS/SMES)

11.7 VALUATION & FINANCIAL METRICS

FIGURE 39 EV/EBITDA OF KEY VENDORS

FIGURE 40 EV/REVENUE OF KEY VENDORS

FIGURE 41 BETA (5 YEARS) OF KEY VENDORS

FIGURE 42 1-YEAR PRICE TOTAL RETURN OF KEY VENDORS

11.8 BRAND/PRODUCT COMPARISON

FIGURE 43 BIOPRESERVATION MARKET: BRAND/PRODUCT COMPARATIVE ANALYSIS

11.9 COMPETITIVE SCENARIO

11.9.1 PRODUCT LAUNCHES

TABLE 311 BIOPRESERVATION MARKET: PRODUCT LAUNCHES, JANUARY 2021– APRIL 2024

11.9.2 DEALS

TABLE 312 BIOPRESERVATION MARKET: DEALS, JANUARY 2021– APRIL 2024

11.9.3 EXPANSIONS

TABLE 313 BIOPRESERVATION MARKET: EXPANSIONS, JANUARY 2021– APRIL 2024

12 COMPANY PROFILES

(Business Overview, Products Offered, Recent Developments, MnM View Right to win, Strategic choices made, Weaknesses and competitive threats) *

12.1 KEY PLAYERS

12.1.1 THERMO FISHER SCIENTIFIC INC.

TABLE 314 THERMO FISHER SCIENTIFIC INC.: BUSINESS OVERVIEW

FIGURE 44 THERMO FISHER SCIENTIFIC INC.: COMPANY SNAPSHOT (2023)

TABLE 315 THERMO FISHER SCIENTIFIC INC.: PRODUCTS OFFERED

TABLE 316 THERMO FISHER SCIENTIFIC INC.: PRODUCT LAUNCHES

12.1.2 MERCK KGAA

TABLE 317 MERCK KGAA: BUSINESS OVERVIEW

FIGURE 45 MERCK KGAA: COMPANY SNAPSHOT (2023)

TABLE 318 MERCK KGAA: PRODUCTS OFFERED

TABLE 319 MERCK KGAA: EXPANSIONS

12.1.3 PHC HOLDINGS CORPORATION

TABLE 320 PHC HOLDINGS CORPORATION: BUSINESS OVERVIEW

FIGURE 46 PHC HOLDINGS CORPORATION: COMPANY SNAPSHOT (2023)

TABLE 321 EXCHANGE RATES (UTILIZED FOR CONVERSION OF YEN TO USD)

TABLE 322 PHC HOLDINGS CORPORATION: PRODUCTS OFFERED

TABLE 323 PRODUCT LAUNCHES

12.1.4 AZENTA, INC.

TABLE 324 AZENTA, INC.: BUSINESS OVERVIEW

FIGURE 47 AZENTA, INC.: COMPANY SNAPSHOT (2023)

TABLE 325 AZENTA, INC.: PRODUCTS OFFERED

TABLE 326 AZENTA, INC.: PRODUCT LAUNCHES

TABLE 327 AZENTA, INC.: DEALS

12.1.5 AVANTOR, INC.

TABLE 328 AVANTOR, INC.: BUSINESS OVERVIEW

FIGURE 48 AVANTOR, INC.: COMPANY SNAPSHOT (2023)

TABLE 329 AVANTOR, INC.: PRODUCTS OFFERED

TABLE 330 AVANTOR, INC.: DEALS

12.1.6 SARTORIUS AG

TABLE 331 SARTORIUS AG: BUSINESS OVERVIEW

FIGURE 49 SARTORIUS AG: COMPANY SNAPSHOT (2023)

TABLE 332 EXCHANGE RATES (UTILIZED FOR CONVERSION OF EUR TO USD)

TABLE 333 SARTORIUS AG: PRODUCTS OFFERED

12.1.7 THERMOGENESIS HOLDINGS, INC.

TABLE 334 THERMOGENESIS HOLDINGS, INC.: BUSINESS OVERVIEW

FIGURE 50 THERMOGENESIS HOLDINGS, INC.: COMPANY SNAPSHOT (2023)

TABLE 335 THERMOGENESIS HOLDINGS, INC.: PRODUCTS OFFERED

TABLE 336 THERMOGENESIS HOLDINGS, INC.: EXPANSIONS

12.1.8 BIO-TECHNE CORPORATION

TABLE 337 BIO-TECHNE CORPORATION: BUSINESS OVERVIEW

FIGURE 51 BIO-TECHNE CORPORATION: COMPANY SNAPSHOT (2023)

TABLE 338 BIO-TECHNE CORPORATION: PRODUCTS OFFERED

12.1.9 BIOLIFE SOLUTIONS INC.

TABLE 339 BIOLIFE SOLUTIONS, INC.: BUSINESS OVERVIEW

FIGURE 52 BIOLIFE SOLUTIONS, INC.: COMPANY SNAPSHOT (2023)

TABLE 340 BIOLIFE SOLUTIONS, INC.: PRODUCTS OFFERED

TABLE 341 BIOLIFE SOLUTIONS, INC.: PRODUCT LAUNCHES

TABLE 342 BIOLIFE SOLUTIONS, INC.: DEALS

12.1.10 CRYOPORT INC.

TABLE 343 CRYOPORT INC.: BUSINESS OVERVIEW

FIGURE 53 CRYOPORT INC.: COMPANY SNAPSHOT (2023)

TABLE 344 CRYOPORT INC.: PRODUCTS OFFERED

TABLE 345 CRYOPORT INC.: DEALS

12.1.11 SO-LOW ENVIRONMENTAL EQUIPMENT CO.

TABLE 346 SO-LOW ENVIRONMENTAL EQUIPMENT CO.: BUSINESS OVERVIEW

TABLE 347 SO-LOW ENVIRONMENTAL EQUIPMENT CO.: PRODUCTS OFFERED

12.2 OTHER PLAYERS

12.2.1 SHANGHAI GENEXT MEDICAL TECHNOLOGY CO., LTD.

TABLE 348 SHANGHAI GENEXT MEDICAL TECHNOLOGY CO., LTD.: COMPANY OVERVIEW

12.2.2 HELMER SCIENTIFIC INC.

TABLE 349 HELMER SCIENTIFIC INC.: COMPANY OVERVIEW

12.2.3 ARCTIKO

TABLE 350 ARCTIKO: COMPANY OVERVIEW

12.2.4 NIPPON GENETICS EUROPE

TABLE 351 NIPPON GENETICS EUROPE: COMPANY OVERVIEW

12.2.5 STEMCELL TECHNOLOGIES, INC.

TABLE 352 STEMCELL TECHNOLOGIES, INC.: COMPANY OVERVIEW

12.2.6 AMSBIO

TABLE 353 AMSBIO: COMPANY OVERVIEW

12.2.7 OPS DIAGNOSTICS

TABLE 354 OPS DIAGNOSTICS: COMPANY OVERVIEW

12.2.8 ASKION GMBH

TABLE 355 ASKION GMBH: COMPANY OVERVIEW

12.2.9 DOHMEYER

TABLE 356 DOHMEYER: COMPANY OVERVIEW

12.2.10 X-THERMA, INC.

TABLE 357 X-THERMA, INC.: COMPANY OVERVIEW

12.2.11 IC BIOMEDICAL, LLC

TABLE 358 IC BIOMEDICAL, LLC: COMPANY OVERVIEW

12.2.12 TAIYO NIPPON SANSO CORPORATION

TABLE 359 TAIYO NIPPON SANSO CORPORATION: COMPANY OVERVIEW

12.2.13 FROILABO

TABLE 360 FROILABO: COMPANY OVERVIEW

12.2.14 CELLBIOS HEALTHCARE & LIFESCIENCES PVT. LTD.

TABLE 361 CELLBIOS HEALTHCARE & LIFESCIENCES PVT. LTD.: COMPANY OVERVIEW

*Details on Business Overview, Products Offered, Recent Developments, MnM View, Right to win, Strategic choices made, Weaknesses and competitive threats might not be captured in case of unlisted companies.

13 APPENDIX

13.1 DISCUSSION GUIDE

13.2 KNOWLEDGESTORE: MARKETSANDMARKETS' SUBSCRIPTION PORTAL

13.3 CUSTOMIZATION OPTIONS

13.4 RELATED REPORTS

13.5 AUTHOR DETAILS

I would like to order

Product name: Biopreservation Market by Product (Media [Cryopreservation, Hypothermic]), Equipment (Freezers, Refrigerators, Incubators, Centrifuge, Accessories), Biospecimen (Tissues, Organs, Stem Cells), Application (Research, Therapeutic) - Global Forecast to 2029

Product link: <https://marketpublishers.com/r/B508852499ADEN.html>

Price: US\$ 4,950.00 (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/B508852499ADEN.html>

To pay by Wire Transfer, please, fill in your contact details in the form below:

First name:

Last name:

Email:

Company:

Address:

City:

Zip code:

Country:

Tel:

Fax:

Your message:

****All fields are required**

Customer signature _____

Please, note that by ordering from marketpublishers.com you are agreeing to our Terms & Conditions at <https://marketpublishers.com/docs/terms.html>

To place an order via fax simply print this form, fill in the information below

and fax the completed form to +44 20 7900 3970