

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

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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.

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*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.

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