

# **Global Biomedical Refrigerators & Freezers Market Size Study by Product Type (Blood Bank Refrigerators, Laboratory/Pharmacy/Medical Refrigerators, Plasma Freezers, Shock Freezers, Ultra-low Temperature Freezers), by End User (Blood Banks, Diagnostic Centers, Hospitals, Pharmacies, Research Laboratories) and Regional Forecasts 2022-2032**

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## **Abstracts**

Global Biomedical Refrigerators & Freezers Market is valued approximately at USD 5.49 billion in 2023 and is anticipated to grow with a healthy growth rate of more than 6.39% over the forecast period 2024-2032. Biomedical refrigerators and freezers are essential devices in various medical, research, and clinical settings, designed to store biological specimens, pharmaceuticals, vaccines, and other temperature-sensitive medical or scientific materials under precise, controlled temperature conditions. Unlike standard commercial refrigeration equipment, these specialized units offer more precise temperature controls, alarm systems for monitoring and security, and features that minimize temperature fluctuations, thereby safeguarding the integrity of stored products. The increasing demand for the safe storage of blood and blood derivatives, vaccines, and other biologics has significantly driven the biomedical refrigerators and freezers market. Technological advancements, along with stringent regulations regarding the proper handling of biological samples, are other key factors propelling market growth. Furthermore, the expanding biotechnology and pharmaceutical sectors, combined with a rise in research activities worldwide, have led to an increased requirement for these specialized refrigeration units.

Despite the growth prospects, the high cost of energy-efficient units coupled with the presence of stringent regulatory guidelines for the manufacturing and operations of biomedical refrigerators and freezers impose considerable challenges for market players. The emergence of smart and connected biomedical refrigerators and freezers presents vast opportunities for market expansion. The ongoing efforts to upgrade old equipment in hospitals and blood banks and the introduction of advanced preservation methods open up new avenues for market growth.

The key regions considered for the global Biomedical Refrigerators & Freezers market study include Asia Pacific, North America, Europe, Latin America, and Rest of the World. North America dominated the market share in 2023, driven by the increasing demand for the storage of medical supplies, vaccines, and biological samples. Technological advancements and stringent regulatory policies regarding the proper storage of biomedical products have also supplemented market growth. The EMEA region presents a diverse market landscape for biomedical refrigerators and freezers. European countries, with their well-established healthcare infrastructure and research institutions, continue to fuel market growth. Asia-Pacific is witnessing the fastest growth in the biomedical refrigerators and freezers market, attributed to a rise in healthcare initiatives, a growing population, and an expanding network of hospitals and blood banks in China and India.

Major market players included in this report are:

Aegis Scientific

Alphatec Scientific

Arctiko A/S

B Medical Systems S.? r.l.

Binder GmbH

Biobase Biodustry(Shandong), Co., Ltd.

C.F. di Ciro Fiocchetti & C. s.n.c.

Cardinal Health, Inc.

Desmon SpA

Eppendorf SE

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

By Product Type:

Blood Bank Refrigerators

Laboratory/Pharmacy/Medical Refrigerators

Plasma Freezers

Shock Freezers

Ultra-low Temperature Freezers

By End User:

Blood Banks

Diagnostic Centers

Hospitals

Pharmacies

Research Laboratories

By Region:

North America

U.S.

Canada

## Europe

UK

Germany

France

Spain

Italy

ROE

## Asia Pacific

China

India

Japan

Australia

South Korea

RoAPAC

## Latin America

Brazil

Mexico

## Middle East & Africa

Saudi Arabia

South Africa

RoMEA

### Key Takeaways:

Market Estimates & Forecast for 10 years from 2022 to 2032.

Annualized revenues and regional level analysis for each market segment.

Detailed analysis of geographical landscape with Country level analysis of major regions.

Competitive landscape with information on major players in the market.

Analysis of key business strategies and recommendations on future market approach.

Analysis of competitive structure of the market.

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