

Blood Banking Equipment Market Forecasts to 2030 – Global Analysis by Product (Blood Collection Devices, Blood Processing Equipment, Blood Storage Equipment, Blood Testing Equipment and Other Products), Mode of Collection, Application, End User and By Geography

<https://marketpublishers.com/r/B9AAD486D3BEEN.html>

Date: January 2025

Pages: 150

Price: US\$ 4,150.00 (Single User License)

ID: B9AAD486D3BEEN

Abstracts

According to Statistics MRC, the Global Blood Banking Equipment Market is accounted for \$16,322.1 million in 2024 and is expected to reach \$23,950.7 million by 2030 growing at a CAGR of 6.6% during the forecast period. Blood banking equipment includes specialized instruments and technologies used in blood collection, processing, storage, and transfusion to assure the safety and integrity of blood products. This comprises automated blood processing equipment, plasma separators, centrifuges, storage refrigerators and freezers, blood collection bags, and blood typing and crossmatching systems. Blood warmers, transit containers, and monitoring tools to keep tabs on temperature and conditions during transfusion and storage are also included in the equipment. In order to provide effective blood transfusion and donation services, these technologies are essential for preserving the quality of blood products, avoiding contamination, and guaranteeing donor and recipient compatibility in clinical settings.

According to the World Health Organization, 118.5 million blood donations were collected globally in 2018.

Market Dynamics:

Driver:

Rising Prevalence of Chronic Diseases and Surgeries

The rising prevalence of chronic diseases and surgeries significantly drives the demand for blood banking equipment. As chronic conditions like cancer, diabetes, and cardiovascular diseases increase, the need for regular blood transfusions and related treatments grows. Similarly, the surge in surgeries, including organ transplants and trauma care, necessitates efficient blood storage and management. This trend propels the demand for advanced blood banking equipment to ensure a steady and safe supply of blood products for medical procedures.

Restraint:

High Initial Investment Costs

Adoption of innovative technologies may be impeded by high initial investment costs in the blood banking equipment industry, particularly for smaller or more financially strapped healthcare facilities. This cost barrier restricts access to contemporary equipment, which lowers operating safety and efficiency. It may also hinder cash flow, postpone the growth of blood bank services, and deter investment in essential maintenance or upgrades, all of which would hinder market expansion as a whole.

Opportunity:

Technological Advancements

Technological advancements are driving the market by improving efficiency, accuracy, and safety in blood collection, storage, and transfusion. Innovations such as automated blood typing, pathogen detection, and refrigeration systems ensure higher blood quality and reduce human errors. Additionally, the integration of advanced monitoring systems and data analytics enhances inventory management and traceability. These developments not only streamline operations but also meet the growing demand for blood transfusions, contributing to better patient outcomes and healthcare services, thus it propels market expansion.

Threat:

Blood Supply Shortages

Blood supply shortages in the Blood Banking Equipment market can lead to delayed

medical treatments, increased mortality rates, and complications during surgeries or emergencies. Hospitals may face a shortage of critical blood products, affecting patient care. This shortage also strains blood banks, leading to higher operational costs and reliance on emergency donations, disrupting healthcare systems and increasing the need for advanced blood storage and management equipment, thus it limits the market expansion.

Covid-19 Impact:

The COVID-19 pandemic significantly impacted the Blood Banking Equipment market, disrupting supply chains and reducing blood donation drives due to lockdowns and social distancing measures. However, increased demand for convalescent plasma and heightened awareness of healthcare infrastructure spurred investments in advanced blood banking technologies, creating a mixed effect on market dynamics during and post-pandemic.

The blood banks segment is expected to be the largest during the forecast period

The blood banks segment is expected to be the largest during the forecast period due to increasing prevalence of chronic diseases, rising surgical procedures, and emergency care needs amplify the reliance on advanced equipment such as centrifuges, blood storage refrigerators, and automated blood analyzers. Additionally, the growing focus on safety and precision in blood handling fosters innovation, boosting market growth. Blood banks play a pivotal role in shaping this industry's trajectory.

The automated blood collection segment is expected to have the highest CAGR during the forecast period

The automated blood collection segment is expected to have the highest CAGR during the forecast period as these systems streamline collection processes, reducing manual errors and improving the precision of blood component separation. Automation enables faster processing, meeting rising blood demand in healthcare and emergency settings. Additionally, it supports compliance with stringent quality standards and reduces operational costs. The integration of data analytics further optimizes inventory management and traceability, driving adoption in developed and emerging markets, thereby boosting market growth.

Region with largest share:

North America is projected to hold the largest market share during the forecast period because of factors like increasing prevalence of chronic diseases, rising geriatric population, and growing demand for blood transfusions. Additionally, technological advancements in blood banking equipment, such as automated blood component separation systems and blood bank information systems, are further propelling market growth. Furthermore, stringent regulatory standards for blood safety and quality assurance are driving the adoption of advanced blood banking equipment in the region.

Region with highest CAGR:

Asia Pacific is projected to witness the highest CAGR over the forecast period because chronic illnesses are becoming more common and the number of elderly people needing transfusions is increasing. Government programs encouraging voluntary blood donation and the expansion of hospital infrastructure both make substantial contributions. Moreover, technological developments in blood processing, testing, and storage improve operating safety and efficiency, drives the industry even more.

Key players in the market

Some of the key players in Blood Banking Equipment market include Medtronic, BD Medical, Boston Scientific Corporation, Argon Medical Devices, Novo Nordisk, Terumo Corporation, NIPRO Medical, B. Braun, Cardinal Health, Hi-Tech Medicare Devices, Abbott Laboratories, Beckman Coulter, Inc., bioMerieux SA, Bio-Rad Laboratories, Inc., Cerus Corporation, CSL Behring LLC and Fresenius Kabi AG.

Key Developments:

In October 2024, Abbott announced a new, first-of-its-kind clinical trial designed to improve outcomes in patients with worsening heart failure who could benefit from advanced therapy options.

In September 2024, Abbott and Seed Global Health announced the launch of a new partnership to train and support highly skilled health workers to help advance maternal and child health in Malawi.

In August 2024, Abbott announced the expansion of its Pure Bliss by Similac line of organic and European-made infant formulas that give parents a variety of products to meet specific formula preferences.

Products Covered:

Blood Collection Devices

Blood Processing Equipment

Blood Storage Equipment

Blood Testing Equipment

Other Products

Modes of Collection Covered:

Automated Blood Collection

Manual Blood Collection

Applications Covered:

Whole Blood Collection

Component Collection

Pathogen Reduction And Inactivation

Blood Typing And Crossmatching

End Users Covered:

Blood Banks

Hospitals And Clinics

Research And Academic Institutes

Diagnostic Laboratories

Other End Users

Regions Covered:

North America

US

Canada

Mexico

Europe

Germany

UK

Italy

France

Spain

Rest of Europe

Asia Pacific

Japan

China

India

Australia

New Zealand

South Korea

Rest of Asia Pacific

South America

Argentina

Brazil

Chile

Rest of South America

Middle East & Africa

Saudi Arabia

UAE

Qatar

South Africa

Rest of Middle East & Africa

What our report offers:

- Market share assessments for the regional and country-level segments
- Strategic recommendations for the new entrants
- Covers Market data for the years 2022, 2023, 2024, 2026, and 2030
- Market Trends (Drivers, Constraints, Opportunities, Threats, Challenges, Investment Opportunities, and recommendations)
- Strategic recommendations in key business segments based on the market estimations
- Competitive landscaping mapping the key common trends
- Company profiling with detailed strategies, financials, and recent developments

- Supply chain trends mapping the latest technological advancements

Free Customization Offerings:

All the customers of this report will be entitled to receive one of the following free customization options:

Company Profiling

Comprehensive profiling of additional market players (up to 3)

SWOT Analysis of key players (up to 3)

Regional Segmentation

Market estimations, Forecasts and CAGR of any prominent country as per the client's interest (Note: Depends on feasibility check)

Competitive Benchmarking

Benchmarking of key players based on product portfolio, geographical presence, and strategic alliances

Contents

1 EXECUTIVE SUMMARY

2 PREFACE

- 2.1 Abstract
- 2.2 Stake Holders
- 2.3 Research Scope
- 2.4 Research Methodology
 - 2.4.1 Data Mining
 - 2.4.2 Data Analysis
 - 2.4.3 Data Validation
 - 2.4.4 Research Approach
- 2.5 Research Sources
 - 2.5.1 Primary Research Sources
 - 2.5.2 Secondary Research Sources
 - 2.5.3 Assumptions

3 MARKET TREND ANALYSIS

- 3.1 Introduction
- 3.2 Drivers
- 3.3 Restraints
- 3.4 Opportunities
- 3.5 Threats
- 3.6 Product Analysis
- 3.7 Application Analysis
- 3.8 End User Analysis
- 3.9 Emerging Markets
- 3.10 Impact of Covid-19

4 PORTERS FIVE FORCE ANALYSIS

- 4.1 Bargaining power of suppliers
- 4.2 Bargaining power of buyers
- 4.3 Threat of substitutes
- 4.4 Threat of new entrants
- 4.5 Competitive rivalry

5 GLOBAL BLOOD BANKING EQUIPMENT MARKET, BY PRODUCT

- 5.1 Introduction
- 5.2 Blood Collection Devices
 - 5.2.1 Blood Collection Monitors
 - 5.2.2 Blood Bags
 - 5.2.3 Needles And Syringes
- 5.3 Blood Processing Equipment
 - 5.3.1 Centrifuges
 - 5.3.2 Blood Cell Separators
 - 5.3.3 Plasma Freezers
 - 5.3.4 Refrigerators
- 5.4 Blood Storage Equipment
 - 5.4.1 Storage Cabinets
- 5.5 Blood Testing Equipment
 - 5.5.1 Hemoglobin Analyzers
 - 5.5.2 Blood Grouping Analyzers
 - 5.5.3 Coagulation Analyzers
- 5.6 Other Products

6 GLOBAL BLOOD BANKING EQUIPMENT MARKET, BY MODE OF COLLECTION

- 6.1 Introduction
- 6.2 Automated Blood Collection
- 6.3 Manual Blood Collection

7 GLOBAL BLOOD BANKING EQUIPMENT MARKET, BY APPLICATION

- 7.1 Introduction
- 7.2 Whole Blood Collection
- 7.3 Component Collection
- 7.4 Pathogen Reduction And Inactivation
- 7.5 Blood Typing And Crossmatching

8 GLOBAL BLOOD BANKING EQUIPMENT MARKET, BY END USER

- 8.1 Introduction
- 8.2 Blood Banks

- 8.3 Hospitals And Clinics
- 8.4 Research And Academic Institutes
- 8.5 Diagnostic Laboratories
- 8.6 Other End Users

9 GLOBAL BLOOD BANKING EQUIPMENT MARKET, BY GEOGRAPHY

- 9.1 Introduction
- 9.2 North America
 - 9.2.1 US
 - 9.2.2 Canada
 - 9.2.3 Mexico
- 9.3 Europe
 - 9.3.1 Germany
 - 9.3.2 UK
 - 9.3.3 Italy
 - 9.3.4 France
 - 9.3.5 Spain
 - 9.3.6 Rest of Europe
- 9.4 Asia Pacific
 - 9.4.1 Japan
 - 9.4.2 China
 - 9.4.3 India
 - 9.4.4 Australia
 - 9.4.5 New Zealand
 - 9.4.6 South Korea
 - 9.4.7 Rest of Asia Pacific
- 9.5 South America
 - 9.5.1 Argentina
 - 9.5.2 Brazil
 - 9.5.3 Chile
 - 9.5.4 Rest of South America
- 9.6 Middle East & Africa
 - 9.6.1 Saudi Arabia
 - 9.6.2 UAE
 - 9.6.3 Qatar
 - 9.6.4 South Africa
 - 9.6.5 Rest of Middle East & Africa

10 KEY DEVELOPMENTS

- 10.1 Agreements, Partnerships, Collaborations and Joint Ventures
- 10.2 Acquisitions & Mergers
- 10.3 New Product Launch
- 10.4 Expansions
- 10.5 Other Key Strategies

11 COMPANY PROFILING

- 11.1 Medtronic
- 11.2 BD Medical
- 11.3 Boston Scientific Corporation
- 11.4 Argon Medical Devices
- 11.5 Novo Nordisk
- 11.6 Terumo Corporation
- 11.7 NIPRO Medical
- 11.8 B. Braun
- 11.9 Cardinal Health
- 11.10 Hi-Tech Medicare Devices
- 11.11 Abbott Laboratories
- 11.12 Beckman Coulter, Inc.
- 11.13 bioMerieux SA
- 11.14 Bio-Rad Laboratories, Inc.
- 11.15 Cerus Corporation
- 11.16 CSL Behring LLC
- 11.17 Fresenius Kabi AG

List Of Tables

LIST OF TABLES

Table 1 Global Blood Banking Equipment Market Outlook, By Region (2022-2030) (\$MN)

Table 2 Global Blood Banking Equipment Market Outlook, By Product (2022-2030) (\$MN)

Table 3 Global Blood Banking Equipment Market Outlook, By Blood Collection Devices (2022-2030) (\$MN)

Table 4 Global Blood Banking Equipment Market Outlook, By Blood Collection Monitors (2022-2030) (\$MN)

Table 5 Global Blood Banking Equipment Market Outlook, By Blood Bags (2022-2030) (\$MN)

Table 6 Global Blood Banking Equipment Market Outlook, By Needles And Syringes (2022-2030) (\$MN)

Table 7 Global Blood Banking Equipment Market Outlook, By Blood Processing Equipment (2022-2030) (\$MN)

Table 8 Global Blood Banking Equipment Market Outlook, By Centrifuges (2022-2030) (\$MN)

Table 9 Global Blood Banking Equipment Market Outlook, By Blood Cell Separators (2022-2030) (\$MN)

Table 10 Global Blood Banking Equipment Market Outlook, By Plasma Freezers (2022-2030) (\$MN)

Table 11 Global Blood Banking Equipment Market Outlook, By Refrigerators (2022-2030) (\$MN)

Table 12 Global Blood Banking Equipment Market Outlook, By Blood Storage Equipment (2022-2030) (\$MN)

Table 13 Global Blood Banking Equipment Market Outlook, By Storage Cabinets (2022-2030) (\$MN)

Table 14 Global Blood Banking Equipment Market Outlook, By Blood Testing Equipment (2022-2030) (\$MN)

Table 15 Global Blood Banking Equipment Market Outlook, By Hemoglobin Analyzers (2022-2030) (\$MN)

Table 16 Global Blood Banking Equipment Market Outlook, By Blood Grouping Analyzers (2022-2030) (\$MN)

Table 17 Global Blood Banking Equipment Market Outlook, By Coagulation Analyzers (2022-2030) (\$MN)

Table 18 Global Blood Banking Equipment Market Outlook, By Other Products

(2022-2030) (\$MN)

Table 19 Global Blood Banking Equipment Market Outlook, By Mode Of Collection

(2022-2030) (\$MN)

Table 20 Global Blood Banking Equipment Market Outlook, By Automated Blood Collection (2022-2030) (\$MN)

Table 21 Global Blood Banking Equipment Market Outlook, By Manual Blood Collection (2022-2030) (\$MN)

Table 22 Global Blood Banking Equipment Market Outlook, By Application (2022-2030) (\$MN)

Table 23 Global Blood Banking Equipment Market Outlook, By Whole Blood Collection (2022-2030) (\$MN)

Table 24 Global Blood Banking Equipment Market Outlook, By Component Collection (2022-2030) (\$MN)

Table 25 Global Blood Banking Equipment Market Outlook, By Pathogen Reduction And Inactivation (2022-2030) (\$MN)

Table 26 Global Blood Banking Equipment Market Outlook, By Blood Typing And Crossmatching (2022-2030) (\$MN)

Table 27 Global Blood Banking Equipment Market Outlook, By End User (2022-2030) (\$MN)

Table 28 Global Blood Banking Equipment Market Outlook, By Blood Banks (2022-2030) (\$MN)

Table 29 Global Blood Banking Equipment Market Outlook, By Hospitals And Clinics (2022-2030) (\$MN)

Table 30 Global Blood Banking Equipment Market Outlook, By Research And Academic Institutes (2022-2030) (\$MN)

Table 31 Global Blood Banking Equipment Market Outlook, By Diagnostic Laboratories (2022-2030) (\$MN)

Table 32 Global Blood Banking Equipment Market Outlook, By Other End Users (2022-2030) (\$MN)

Note: Tables for North America, Europe, APAC, South America, and Middle East & Africa Regions are also represented in the same manner as above.

I would like to order

Product name: Blood Banking Equipment Market Forecasts to 2030 – Global Analysis by Product (Blood Collection Devices, Blood Processing Equipment, Blood Storage Equipment, Blood Testing Equipment and Other Products), Mode of Collection, Application, End User and By Geography

Product link: <https://marketpublishers.com/r/B9AAD486D3BEEN.html>

Price: US\$ 4,150.00 (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/B9AAD486D3BEEN.html>