

Blood Processing Devices and Consumables Market by Product (Blood Processing Devices, Blood Processing Consumables), End User (Hospitals and Clinics, Diagnostic Laboratories, and Others), and Region 2024-2032

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Report description:

The global blood processing devices and consumables market size reached US\$ 52.3 Billion in 2023. Looking forward, IMARC Group expects the market to reach US\$ 94.1 Billion by 2032, exhibiting a growth rate (CAGR) of 6.5% during 2024-2032. The rising demand for blood and its products, supportive policies by governmental and non-governmental organizations, and the recent development of a closed blood sampling system represent some of the key factors driving the market.

Blood processing devices and consumables refer to tools and materials used in the collection, processing, and transfusion of blood and its products. It includes tubes, bags, centrifuges, vials, freezers, filters, needles and syringes, blood culture systems, and plasma thawing devices. They are manufactured using various materials, such as plastic, glass, rubber, stainless steel, and titanium. Blood processing devices and consumables are widely used for blood storage, transport, separation, filtering, typing and cross-matching, irradiation, apheresis, and blood processing system. They enhance safety, increase efficiency, extend blood shelf-life, and minimize the risk of contamination, infections, and transfusion-related complications. Blood processing devices and consumables also aid in maintaining quality standards, reducing wastage, eliminating the need for manual sample handling, and ensuring the availability of blood and its products to healthcare facilities.

Blood Processing Devices and Consumables Market Trends:

The rising demand for blood and its various products, such as white blood cells (WBCs), red blood cells (RBCs), and plasma, due to increasing numbers of surgical procedures, is one of the primary factors propelling the market growth. Blood processing devices and consumables are widely used in healthcare facilities to collect, process, transport, and store blood products, as they ensure safety, improve clinical efficiency, enhance patient safety, maintain blood efficacy, and prevent contaminations. In addition to this, the growing number of blood-related disorders, such as sickle cell anemia and thalassemia, is acting as another

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growth-inducing factor. Furthermore, the implementation of supportive policies by governmental and non-governmental organizations to promote blood donation, educate the masses, and provide funding for blood collection and processing programs is positively influencing the market growth. Additionally, the recent development of a closed blood sampling system, which utilizes a needleless connection between the blood collection set and the blood bag to reduce the risk of infection, contamination, and needlestick injuries, is providing an impetus to the market growth. Besides this, the introduction of automated blood processing systems, which carry out multiple steps simultaneously, thus improving overall efficiency, reducing manual labor, minimizing operational costs, and saving time, is contributing to market growth. Moreover, the rising demand for point-of-care testing that allows healthcare professionals to perform blood tests and collect samples quickly at patients' homes is strengthening the market growth. Other factors, including the rapid expansion of the healthcare industry, increasing investments in the development of advanced devices, and the rising number of trauma cases, such as accidents, violence, and natural disaster, are anticipated to drive the market growth.

Key Market Segmentation:

IMARC Group provides an analysis of the key trends in each segment of the global blood processing devices and consumables market, along with forecasts at the global, regional, and country levels from 2024-2032. Our report has categorized the market based on product and end user.

Product Insights:

- Blood Processing Devices
 - Blood Bank Freezers
 - Blood Grouping Analyzers
 - Blood Warmer
 - Blood Cell Processers
 - Others
- Blood Processing Consumables
 - Blood Bags
 - Blood Lancets
 - Vials
 - Blood Administration Sets
 - Others

The report has provided a detailed breakup and analysis of the blood processing devices and consumables market based on the product. This includes blood processing devices (blood bank freezers, blood grouping analyzers, blood warmer, blood cell processers, and others) and blood processing consumables (blood bags, blood lancets, vials, blood administration sets, and others). According to the report, blood processing devices represented the largest segment.

End User Insights:

- Hospitals and Clinics
- Diagnostic Laboratories
- Others

A detailed breakup and analysis of the blood processing devices and consumables market based on the end user has also been provided in the report. This includes hospitals and clinics, diagnostic laboratories, and others. According to the report, hospitals and clinics accounted for the largest market share.

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Regional Insights:

North America

United States

Canada

Asia Pacific

China

Japan

India

South Korea

Australia

Indonesia

Others

Europe

Germany

France

United Kingdom

Italy

Spain

Russia

Others

Latin America

Brazil

Mexico

Others

Middle East and Africa

The report has also provided a comprehensive analysis of all the major regional markets, which include North America (the United States and Canada); Asia Pacific (China, Japan, India, South Korea, Australia, Indonesia, and others); Europe (Germany, France, the United Kingdom, Italy, Spain, Russia, and others); Latin America (Brazil, Mexico, and others); and the Middle East and Africa.

According to the report, North America was the largest market for blood processing devices and consumables. Some of the factors driving the North America blood processing devices and consumables market included rising demand for blood and its products, favorable government policies, and rapid technological advancements.

Competitive Landscape:

The report has also provided a comprehensive analysis of the competitive landscape in the global blood processing devices and consumables market. Competitive analysis such as market structure, market share by key players, player positioning, top winning strategies, competitive dashboard, and company evaluation quadrant has been covered in the report. Also, detailed profiles of all major companies have been provided. Some of the companies covered include Abbott Laboratories, BioMerieux SA (Institut Merieux), Bio-Rad Laboratories Inc, Danaher Corporation, Grifols S.A., Haemonetics Corporation, Macopharma, Roche Holding AG, Terumo Corporation, Thermo Fisher Scientific Inc., ThermoGenesis Holdings, Inc., etc. Kindly note that this only represents a partial list of companies, and the complete list has been provided in the report.

Key Questions Answered in This Report:

How has the global blood processing devices and consumables market performed so far, and how will it perform in the coming years?

What are the drivers, restraints, and opportunities in the global blood processing devices and consumables market?

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What is the impact of each driver, restraint, and opportunity on the global blood processing devices and consumables market?
What are the key regional markets?
Which countries represent the most attractive blood processing devices and consumables market?
What is the breakup of the market based on the product?
Which is the most attractive product in the blood processing devices and consumables market?
What is the breakup of the market based on the end user?
Which is the most attractive end user in the blood processing devices and consumables market?
What is the competitive structure of the global blood processing devices and consumables market?
Who are the key players/companies in the global blood processing devices and consumables market?

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