

Blood Preparation Market Report by Product (Whole Blood, Blood Components, Blood Derivatives), Antithrombotic and Anticoagulants Type (Platelet Aggregation Inhibitors, Fibrinolytics, Anticoagulants), Antithrombotic and Anticoagulants Application (Thrombocytosis, Pulmonary Embolism, Renal Impairment, Angina Blood Vessel Complications, and Others), and Region 2023-2028

<https://marketpublishers.com/r/BE9E0675B306EN.html>

Date: November 2023

Pages: 146

Price: US\$ 2,499.00 (Single User License)

ID: BE9E0675B306EN

Abstracts

The global blood preparation market size reached US\$ 42.3 Billion in 2022. Looking forward, IMARC Group expects the market to reach US\$ 56.1 Billion by 2028, exhibiting a growth rate (CAGR) of 4.9% during 2022-2028.

Blood donation is a lifesaving procedure wherein one unit of blood is taken from the donor. This blood consists of a mixture of cellular elements, colloids, and crystalloids, which need to be separated for being used in patients. As a result, the blood preparation method is widely adopted to separate one-unit whole blood into different components using refrigerated centrifuge equipment. These components generally include cryoprecipitate, platelet concentrate, fresh frozen plasma, and packed red blood cell (PRBC) concentrate. The blood preparation method also maximizes the utility of each blood component for a different applications.

Blood Preparation Market Trends:

Due to the surging cases of coronavirus disease (COVID-19) and the lack of effective treatment, several hospitals are relying on convalescent plasma as a promising treatment for patients with critical conditions. This represents one of the key factors positively influencing the need for blood preparation methods to separate plasma from healthy blood donations. Apart from this, the growing prevalence of chronic disorders,

such as anemia, sickle cell disease, hemophilia, and cancer, is catalyzing the demand for blood transfusion. This, in confluence with the rising number of blood donors on account of awareness campaigns conducted by governmental and non-governmental organizations (NGOs) worldwide, is contributing to the market growth. In line with this, a significant rise in the number of surgical procedures is also bolstering the growth of the market. Moreover, several healthcare institutions are focusing on employing advanced digital technologies for the speedy separation of blood components. They are also utilizing radio frequency identification (RFID) technology for maintaining blood inventory records, which is anticipated to expand the application of blood preparation methods in the coming years.

Key Market Segmentation:

IMARC Group provides an analysis of the key trends in each sub-segment of the global blood preparation market report, along with forecasts at the global, regional and country level from 2023-2028. Our report has categorized the market based on product, antithrombotic and anticoagulants type, and antithrombotic and anticoagulants application.

Breakup by Product:

- Whole Blood
- Red Cells
- Granulocytes
- Plasma
- Platelets
- Blood Components
- Whole Blood Components
- Packed Red Cells
- Leukocyte Reduced Red Blood Cells
- Frozen Plasma
- Platelet Concentrate
- Cryoprecipitate
- Blood Derivatives

Breakup by Antithrombotic and Anticoagulants Type:

- Platelet Aggregation Inhibitors
- Glycoprotein Inhibitors
- COX Inhibitors
- ADP Antagonists
- Others
- Fibrinolytics
- Tissue Plasminogen Activator (TPA)
- Streptokinase

Urokinase

Anticoagulants

Heparins

Vitamin K Antagonists

Direct Thrombin Inhibitors

Direct Factor Xa Inhibitors

Breakup by Antithrombotic and Anticoagulants Application:

Thrombocytosis

Pulmonary Embolism

Renal Impairment

Angina Blood Vessel Complications

Others

Breakup by Region:

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

Competitive Landscape:

The competitive landscape of the industry has also been examined along with the

profiles of the key players being Baxter International Inc., Boehringer Ingelheim International GmbH, Bristol-Myers Squibb Company, Daiichi Sankyo Company Limited, GlaxoSmithKline PLC, Johnson & Johnson Services Inc., LEO Pharma A/S, Pfizer Inc., Portola Pharmaceuticals Inc. (Alexion Pharmaceuticals Inc.) and Sanofi S.A.

Key Questions Answered in This Report

1. What was the size of the global blood preparation market in 2022?
2. What is the expected growth rate of the global blood preparation market during 2023-2028?
3. What are the key factors driving the global blood preparation market?
4. What has been the impact of COVID-19 on the global blood preparation market?
5. What is the breakup of the global blood preparation market based on the product?
6. What is the breakup of the global blood preparation market based on the antithrombotic and anticoagulants type?
7. What is the breakup of the global blood preparation market based on the antithrombotic and anticoagulants application?
8. What are the key regions in the global blood preparation market?
9. Who are the key players/companies in the global blood preparation market?

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