

# **Blood Preparation Market: Global Industry Trends, Share, Size, Growth, Opportunity and Forecast 2022-2027**

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## **Abstracts**

The global blood preparation market size reached US\$ 40.1 Billion in 2021. Looking forward, IMARC Group expects the market to reach US\$ 53.8 Billion by 2027, exhibiting a growth rate (CAGR) of 5.4% during 2022-2027. Keeping in mind the uncertainties of COVID-19, we are continuously tracking and evaluating the direct as well as the indirect influence of the pandemic on different end use industries. These insights are included in the report as a major market contributor.

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 2022-2027. 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:

How has the global blood preparation market performed so far and how will it perform in the coming years?

What has been the impact of COVID-19 on the global blood preparation market?

What are the key regional markets?

What is the breakup of the market based on the product?

What is the breakup of the market based on the antithrombotic and anticoagulants type?

What is the breakup of the market based on the antithrombotic and anticoagulants application?

What are the various stages in the value chain of the industry?

What are the key driving factors and challenges in the industry?

What is the structure of the global blood preparation market and who are the key players?

What is the degree of competition in the industry?

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