

# **Disposable Plastic Blood Bag Market By Type of Bag (Blood Collection Bags, Blood Transfusion Bags) , By End User (Blood Banks, Hospitals, Others) : Global Opportunity Analysis and Industry Forecast, 2024-2033**

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## **Abstracts**

### **Disposable Plastic Blood Bag Market**

The disposable plastic blood bag market was valued at \$265.9 million in 2023 and is projected to reach \$431.7 million by 2033, growing at a CAGR of 5% from 2024 to 2033.

A disposable plastic blood bag is a transparent storage product made from polyvinyl chloride. It is a flexible, disposable system that comprises of several components, including the bag, a tube, a puncturable transfusion pot, and a clamp. It is preliminarily infused with several reagents that ensure the viability of blood. These reagents include citrate as anticoagulant, dextrose for metabolism of stored blood cells, adenine to improve the viability of cells, and phosphate to reduce the acidity. The bags are predominantly designed with a capacity to store 350 ml and 450 ml of blood.

Increase in blood donation activities due to rise in awareness among individuals regarding its importance has boosted the demand for disposable plastic blood bags, propelling the growth of the market. In addition, expansion of the healthcare sector with the opening of new healthcare facilities fuels the requirement for blood storage solutions, augmenting the market development. To enhance their efficacy, the development of disposable plastic blood bags with integrated safety features is trending in the market. Manufacturers are focusing on creating blood bags with self-sealing & needle-free ports and tamper-evident closures so that the integrity of stored blood samples is maintained.

However, the use of plastics in the formation of blood bags raises concerns pertaining to environmental impact, hampering the development of the market. Moreover, the presence of multiple participants results in fragmentation and high competition, restraining the market growth considerably. On the contrary, constant explorations to enhance the functionality and efficacy of disposable plastic blood bags are poised to open new avenues for the market growth in coming years. For instance, the incorporation of barcoding and tracking systems into the bag enhances the traceability of available blood groups. Through such innovative bags, the status & location of available blood groups in blood banks and hospitals is easily trackable in real time. This enhances operational efficiency of facilities and improves their inventory management.

### Segment Review

The disposable plastic blood bag market is segmented into type of bag, end user, and region. On the basis of type of bag, the market is bifurcated into blood collection bags and blood transfusion bags. Depending on end user, it is divided into blood banks, hospitals, and others. Region wise, it is analyzed across North America, Europe, Asia-Pacific, and LAMEA.

### Key Findings

On the basis of type of bag, the blood collection bags segment dominates the market share.

Depending on end user, the hospitals segment acquires a high share of the market.

Region wise, North America is projected to be the highest revenue generator by 2033.

### Competition Analysis

The major players of the global disposable plastic blood bag market include Terumo Corporation, Fresenius Kabi AG, Grifols, S.A., Macopharma SA, Haemonetics Corporation, JMS Co. Ltd, HLL Lifecare Limited, Poly Medicure Ltd., SURU International Pvt. Ltd, and Advacare Pharma Inc. These major players have adopted various key development strategies such as business expansion, new product launches, and partnerships to strengthen their foothold in the competitive market.

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Key Market Segments

By Type Of Bag

Blood Collection Bags

Blood Transfusion Bags

#### By End User

Blood Banks

Hospitals

Others

#### By Region

North America

U.S.

Canada

Mexico

Europe

France

Germany

Italy

Spain

UK

Rest of Europe

Asia-Pacific

China

Japan

India

South Korea

Australia

Rest of Asia-Pacific

LAMEA

Brazil

South Africa

Saudi Arabia

Rest of LAMEA

Key Market Players

Terumo Corporation

Fresenius Kabi AG

Grifols, S.A.

Macopharma SA

Haemonetics Corporation

JMS Co. Ltd

HLL Lifecare Limited

Poly Medicure Ltd.

SURU International Pvt. Ltd

Advacare Pharma Inc.

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