

Intelligent Blood Collection Management Systems Market Forecast To Hit \$3.92Billion By 2030 Amid Strong Industry Growth

*The Business Research Company's
Intelligent Blood Collection Management
Systems Market Report 2026 – Market
Size, Trends, And Global Forecast 2026-
2035*

LONDON, GREATER LONDON, UNITED
KINGDOM, July 17, 2026

/EINPresswire.com/ -- "The healthcare

sector is witnessing significant advancements with the integration of intelligent systems designed to enhance blood collection and management processes. These technologies not only improve safety and efficiency but also address various challenges faced in traditional blood collection methods. Let's explore the current market size, key growth drivers, regional dynamics, and future outlook of the [intelligent blood collection management systems market](#).

Market Growth and Size Outlook for Intelligent Blood Collection Management Systems

The market for intelligent blood collection management systems has seen robust expansion recently. It is projected to increase from \$2.44 billion in 2025 to \$2.68 billion in 2026, registering a compound annual growth rate (CAGR) of 9.8%. This historic growth has been largely due to the inefficiencies of manual, paper-based blood tracking, frequent transfusion and labeling errors, a growing need for safer blood supplies, the rise of hospital-based diagnostic labs, and the initial adoption of barcode identification technologies.

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Looking ahead, this market is poised for even stronger growth, expected to reach \$3.92 billion by 2030 at a CAGR of 10.0%. Factors driving this expansion include greater automation in clinical workflows, increased blood demand due to surgeries and chronic illnesses, tighter global regulations, real-time visibility into blood inventory, and the broad implementation of standardized safety protocols for transfusions. Emerging trends shaping the market also involve

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enhanced hemovigilance due to regulatory pressures, advances in cold chain logistics for blood storage, establishment of interoperability standards between hospital and lab systems, consolidation of centralized blood bank networks, and improved donor retention and engagement strategies.

Understanding Intelligent Blood Collection Management Systems

Intelligent blood collection management systems are sophisticated healthcare technologies that utilize digital tools to optimize blood collection, sample tracking, labeling, storage, and workflow coordination across hospitals, blood banks, and diagnostic facilities. Their primary goal is to reduce errors related to collection and identification, promote the safety of both patients and donors, enhance operational productivity, and maintain precise management of blood inventories and transfusions throughout healthcare networks.

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Key Factors Fueling Demand in the Intelligent Blood Collection Management Systems Market

The increasing number of blood donation programs is a significant factor propelling market growth. These programs are organized efforts aimed at encouraging voluntary blood donations to support medical treatments, emergency services, and healthcare infrastructure. Awareness campaigns are playing a crucial role in motivating individuals to donate blood regularly, thus boosting the need for efficient management systems.

Intelligent blood collection management systems contribute substantially to these programs by streamlining processes such as donor registration, appointment scheduling, blood tracking, and inventory control. This improves operational effectiveness and ensures that blood is available when needed. For example, in March 2026, the American Red Cross, a US humanitarian organization, reported collecting over 25,000 blood donations within the United States through a partnership initiated in 2025, contributing to nearly 40,000 total donations. This rise in blood donation initiatives clearly supports the expansion of the intelligent blood collection management systems market.

Regional Leadership and Growth Prospects in the Market

In 2025, North America held the largest share of the intelligent blood collection management systems market. However, the Asia-Pacific region is expected to witness the fastest growth during the forecast period. The market analysis also includes other regions such as South East Asia, Western Europe, Eastern Europe, South America, the Middle East, and Africa, providing a comprehensive view of global market trends and regional opportunities.

The 2026 edition of our market reports now delivers enhanced analytical coverage through market attractiveness scoring and analysis, total addressable market (TAM) analysis, company

scoring matrix graphics and tables, Excel-based forecasting dashboards, market hotspots infographics, key technologies and future trend analysis, plus updated graphics and tables.

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Americas +1 310-496-7795

Europe +44 7882 955267

Asia & Others +44 7882 955267 & +91 8897263534

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Oliver Guirdham

The Business Research Company

+44 7882 955267

info@tbrc.info

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