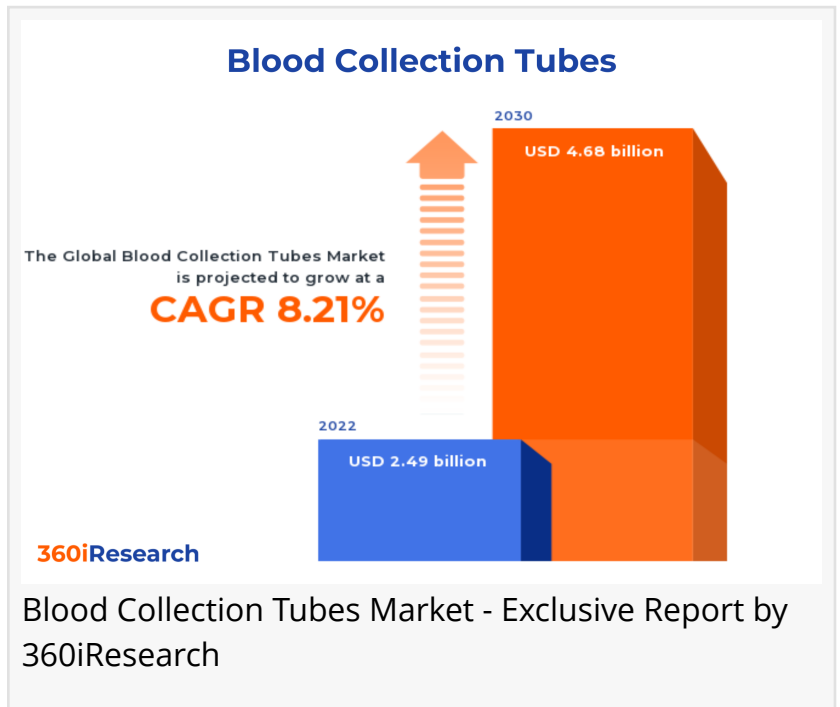


Blood Collection Tubes Market worth \$4.68 billion by 2030, growing at a CAGR of 8.21% - Exclusive Report by 360iResearch

The Global Blood Collection Tubes Market to grow from USD 2.49 billion in 2022 to USD 4.68 billion by 2030, at a CAGR of 8.21%.

PUNE, MAHARASHTRA, INDIA, November 16, 2023 / EINPresswire.com/ -- The "[Blood Collection Tubes Market](#) by Product Type (EDTA Tubes, Heparin Tubes, Plasma Separation Tube), Material Type (Glass, Plastic), End-User - Global Forecast 2023-2030" report has been added to 360iResearch.com's offering.



The Global Blood Collection Tubes Market to grow from USD 2.49 billion in 2022 to USD 4.68 billion by 2030, at a CAGR of 8.21%.

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Blood collection tubes are the devices used for collecting, storing, and transporting blood samples in various clinical applications, including diagnostics, transfusions, research studies, drug discovery, genetic profiling, and forensic science. The aging population requiring regular blood tests for chronic diseases and increased demand for early diagnosis and preventive healthcare measures have increased the adoption of blood collection tubes. Further advancements in vacuum tube technology ensuring accurate sample extraction with minimal contamination, automation in laboratory workflows, and public awareness leading to regular medical check-ups have supported the market demand. However, stringent regulatory guidelines on product quality standards and cross-contamination risks during sample handling procedures hinder market growth. Apart from this, material advancements for improved storage solutions, biomarker integration to enhance diagnostic accuracy at point-of-care, and the

development of IoT-enabled smart tubes are expected to create an opportunistic landscape for the market.

Material: Extensive use of plastic tubes owing to its lightweight and unbreakable nature
Glass blood collection tubes have been used traditionally due to their inert nature, which promotes accurate test results by minimizing chemical interactions between the sample and tube surface. These tubes are primarily made from borosilicate glass that offers excellent chemical resistance to avoid alterations in the sample composition. Plastic blood collection tubes have gained significant popularity as they possess several advantages over their glass counterparts, such as being lightweight, unbreakable, easy to handle during transportation, storage requiring less space than glass tubes, and their recyclable nature. These tubes are primarily made from polyethylene terephthalate (PET) or polystyrene plastics, demonstrating good compatibility with many blood components.

Product Type: Rising use of plasma separation tubes for immunoassays and diagnostic tests
Ethylenediaminetetraacetic acid tubes are used for hematology and molecular diagnostic testing. They contain an anticoagulant that binds to calcium ions, preventing blood clot formation. These tubes are preferred when whole blood or plasma samples are required, such as for complete blood count (CBC), peripheral blood smear, and HbA1c tests. Heparin tubes contain lithium heparin or sodium heparin as an anticoagulant and are primarily used for plasma-based chemistry tests, such as electrolyte analysis, renal function studies, and enzyme assays. Heparin acts by inhibiting thrombin formation in the coagulation cascade. Plasma separation tubes are designed with a gel separator that separates plasma from cellular components after centrifugation, making them ideal for immunoassays and other diagnostic tests. Plasma separation tubes are often used for hormone analysis, therapeutic drug monitoring, and toxicology screenings. In clinical chemistry tests, rapid serum tubes contain thrombin-based clot activators that accelerate the clotting process for faster serum separation. These tubes are preferred when a quick turnaround is needed, such as in emergency departments or stat labs. Serum-separating tubes have a gel barrier that isolates serum from cellular components after centrifugation. They are commonly used for serology tests, immunology assays, and clinical chemistry tests, including lipid panels and liver function studies.

End-User: Adoption of blood collection tubes in diagnostic centers for improved blood sample management

Diagnostic centers are essential in identifying, diagnosing, and monitoring various diseases. Blood collection tubes play a crucial role in these centers by ensuring accurate blood sample management and preserving the integrity of the samples. Need-based preferences for diagnostic centers include easy-to-use tubes with minimal sample hemolysis, reduced contamination risk, and compatibility with automated systems. Healthcare centers provide medical services ranging from primary care to specialized treatments. They require blood collection tubes that meet high-quality standards to ensure patient safety and accurate diagnosis. Healthcare centers' need-based preferences include tubes with extended stability periods, improved sample quality

through additives or coatings, and barcoded labeling for efficient tracking and processing. Research and development (R&D) centers focus on scientific exploration and advancement in medical disciplines. For these centers, blood collection tubes must ensure high sample quality and integrity suitable for complex and sensitive experiments. R&D centers may require tubes with specific additives to support specialized assays, low-binding surfaces to minimize protein adsorption or inert materials for genomic applications.

Regional Insights:

In the Americas region, the increasing geriatric population leading to the prevalence of chronic diseases has increased the use of blood collection tubes. Moreover, healthcare tourism and spending capabilities for early disease diagnostics have flourished in this region. In the EMEA region, well-developed healthcare infrastructure and the presence of the major manufacturers leading to increased spending on research & development for product improvements have supported the market demand. Further, In the EMEA region, the Middle East and Africa demonstrate potential growth opportunities for blood collection tube products due to increasing healthcare investments in these regions. Governments are encouraging public-private partnerships to improve medical infrastructure, which may increase the demand for quality diagnostic products such as blood collection tubes. Asia Pacific region showcased an opportunistic landscape for the market in the face of large population countries requiring blood collection tubes for diagnostic tubes. The developing healthcare sector across the many economies in the region, along with government initiatives focusing on providing accessible healthcare services, is expected to support the market growth.

FPNV Positioning Matrix:

The FPNV Positioning Matrix is essential for assessing the Blood Collection Tubes Market. It provides a comprehensive evaluation of vendors by examining key metrics within Business Strategy and Product Satisfaction, allowing users to make informed decisions based on their specific needs. This advanced analysis then organizes these vendors into four distinct quadrants, which represent varying levels of success: Forefront (F), Pathfinder (P), Niche (N), or Vital(V).

Market Share Analysis:

The Market Share Analysis offers an insightful look at the current state of vendors in the Blood Collection Tubes Market. By comparing vendor contributions to overall revenue, customer base, and other key metrics, we can give companies a greater understanding of their performance and what they are up against when competing for market share. The analysis also sheds light on just how competitive any given sector is about accumulation, fragmentation dominance, and amalgamation traits over the base year period studied.

Key Company Profiles:

The report delves into recent significant developments in the Blood Collection Tubes Market,

highlighting leading vendors and their innovative profiles. These include Abbott Laboratories, AdvaCare Pharma, Becton, Dickinson & Company, Bioscientia Healthcare, Biosigma S.p.A., Cardinal Health, Inc., CML BIOTECH LIMITED, Convergent Technologies GmbH, FL Medical S.R.L., Greiner Bio One International GmbH, Guangzhou Improve Medical Instruments Co. Ltd., Haemonetics Corporation, Labtech S.r.l., Medtronic plc, Micsafe Medical Group, Nanjing Vazyme Medical Technology Co., Ltd., Nipro Medical Corporation, QIAGEN N.V., Radiometer India, SARSTEDT AG & Co. KG, Smiths Medical, Inc. by ICU Medical, Inc., Sunphoria Co., Ltd., Terumo Corporation, and Vyair Medical, Inc..

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Market Segmentation & Coverage:

This research report categorizes the Blood Collection Tubes Market in order to forecast the revenues and analyze trends in each of following sub-markets:

Based on Product Type, market is studied across EDTA Tubes, Heparin Tubes, Plasma Separation Tube, Rapid Serum Tubes, and Serum Separating Tube. The Rapid Serum Tubes is projected to witness significant market share during forecast period.

Based on Material Type, market is studied across Glass and Plastic. The Plastic is projected to witness significant market share during forecast period.

Based on End-User, market is studied across Diagnostic Centers, Healthcare Centers, and Research & Development Centers. The Diagnostic Centers is projected to witness significant market share during forecast period.

Based on Region, market is studied across Americas, Asia-Pacific, and Europe, Middle East & Africa. The Americas is further studied across Argentina, Brazil, Canada, Mexico, and United States. The United States is further studied across California, Florida, Illinois, New York, Ohio, Pennsylvania, and Texas. The Asia-Pacific is further studied across Australia, China, India, Indonesia, Japan, Malaysia, Philippines, Singapore, South Korea, Taiwan, Thailand, and Vietnam. The Europe, Middle East & Africa is further studied across Denmark, Egypt, Finland, France, Germany, Israel, Italy, Netherlands, Nigeria, Norway, Poland, Qatar, Russia, Saudi Arabia, South Africa, Spain, Sweden, Switzerland, Turkey, United Arab Emirates, and United Kingdom. The Americas commanded largest market share of 37.23% in 2022, followed by Europe, Middle East & Africa.

Key Topics Covered:

1. Preface
2. Research Methodology

3. Executive Summary
4. Market Overview
5. Market Insights
6. Blood Collection Tubes Market, by Product Type
7. Blood Collection Tubes Market, by Material Type
8. Blood Collection Tubes Market, by End-User
9. Americas Blood Collection Tubes Market
10. Asia-Pacific Blood Collection Tubes Market
11. Europe, Middle East & Africa Blood Collection Tubes Market
12. Competitive Landscape
13. Competitive Portfolio
14. Appendix

The report provides insights on the following pointers:

1. Market Penetration: Provides comprehensive information on the market offered by the key players
2. Market Development: Provides in-depth information about lucrative emerging markets and analyzes penetration across mature segments of the markets
3. Market Diversification: Provides detailed information about new product launches, untapped geographies, recent developments, and investments
4. Competitive Assessment & Intelligence: Provides an exhaustive assessment of market shares, strategies, products, certification, regulatory approvals, patent landscape, and manufacturing capabilities of the leading players
5. Product Development & Innovation: Provides intelligent insights on future technologies, R&D activities, and breakthrough product developments

The report answers questions such as:

1. What is the market size and forecast of the Blood Collection Tubes Market?
2. Which are the products/segments/applications/areas to invest in over the forecast period in the Blood Collection Tubes Market?
3. What is the competitive strategic window for opportunities in the Blood Collection Tubes Market?
4. What are the technology trends and regulatory frameworks in the Blood Collection Tubes Market?
5. What is the market share of the leading vendors in the Blood Collection Tubes Market?
6. What modes and strategic moves are considered suitable for entering the Blood Collection Tubes Market?

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