Global Medical Thawing System Market to Reach USD 296.9 Million by 2032 with a CAGR of 6.5%: Report and Data

The global medical thawing system market size was USD 166.3 million in 2022 and is expected to reach USD 296.9 million in 2032

Reports And Data

NEW YORK, NY, UNITED STATES, May 3, 2023 /EINPresswire.com/ -- The global medical thawing systems market is projected to grow significantly over the forecast period, with a revenue CAGR of 6.5% and an estimated market size of USD 296.9 million by 2032. The increased demand for thawed blood and plasma products in hospitals, research facilities, and blood banks is a major driving force for this growth, fueled by the rising incidence of chronic diseases and trauma injuries. Advanced thawing systems, including microwave and radiofrequency systems, are being developed to meet the growing demand for quick and accurate thawing of blood and plasma products while minimizing complications such as hemolysis. Additionally, the integration of electronic medical records (EMRs) with thawing systems is another driver of market growth, as it allows for real-time monitoring of the thawing process and more precise patient record-keeping.

Despite these positive trends, several factors are hindering the growth of the medical thawing system market. The high cost of advanced thawing systems, a lack of awareness of their benefits, and a shortage of skilled personnel to operate and maintain the systems are all potential obstacles to market growth. Nevertheless, government initiatives aimed at improving healthcare infrastructure and services, such as India's National Digital Health Mission, are expected to provide new growth opportunities for the market.

Get Free Sample PDF (To Understand the Complete Structure of this Report [Summary + TOC]) @ https://www.reportsanddata.com/download-free-sample/6304

Segments Covered in the Report

The global medical thawing system market is expected to see substantial growth over the

forecast period of 2022 to 2032. The market size was USD 166.3 million in 2022 and is expected to reach USD 296.9 million by 2032, with a revenue CAGR of 6.5%. This growth is attributed to increasing demand for thawed blood and plasma products in hospitals, blood banks, and research facilities. With the rising incidence of chronic diseases and trauma injuries, there is a high demand for blood transfusions, and the need for thawing systems is increasing.

The market is segmented based on product type, application, and region. By product type outlook, the market is segmented into manual thawing system, automated thawing system, and others. The demand for automated, high-precision thawing systems is increasing due to the rising demand for quick thawing of blood and plasma products in critical care situations. The market is also segmented by application outlook into blood transfusion, biopharmaceuticals, clinical trials, and others.

The report provides a detailed analysis of the global medical thawing system market, including historical data and revenue growth forecasts at the global, regional, and country levels. It offers an in-depth analysis of market trends in each of the sub-segments from 2019 to 2032. The report also covers company ranking, competitive landscape, growth factors, and trends.

Furthermore, the market revenue growth is driven by technological developments in thawing systems, such as automation and integration with Electronic Medical Records (EMRs). Sophisticated thawing systems that utilize microwave and radiofrequency technology for the quick and accurate thawing of blood and plasma products are another factor driving market revenue growth. To enhance patient outcomes and lower the frequency of transfusion-related complications, advanced thawing systems are being adopted.

However, several factors are restraining the medical thawing system market revenue growth, including the high cost of advanced thawing systems, a lack of knowledge about the advantages of advanced thawing systems, and a scarcity of qualified personnel to operate and maintain the systems. The report provides a comprehensive overview of the market, including detailed market segmentation, market dynamics, growth opportunities, and challenges faced by the market.

Access Full Report Description with Research Methodology and Table of Contents @ https://www.reportsanddata.com/report-detail/medical-thawing-system-market

Strategic development:

Helmer Scientific, a leading provider of medical equipment, launched its Rapid Thaw Line in 2021. The system is specifically designed for use in hospitals and clinical laboratories and provides rapid and uniform thawing of frozen plasma and cryoprecipitate, thus reducing the risk of damage to blood components and ensuring patient safety.

Barkey GmbH & Co. KG introduced its Thawing System S1 in 2020. The system is designed for use in hospitals and blood banks and provides rapid and controlled thawing of blood

components and stem cells, ensuring high-quality results and reducing the risk of contamination.

In 2020, Sartorius AG acquired selected life science businesses from Danaher Corporation, including the thawing systems product line from Pall Corporation. This acquisition aimed to expand Sartorius' product offerings in the life sciences market.

Boekel Scientific launched its QuickThaw Pro Thawing System in 2019. The system is designed for use in hospitals and clinical laboratories and provides rapid and controlled thawing of frozen plasma and cryoprecipitate, ensuring high-quality results and reducing the risk of contamination.

In 2018, BioCision launched its CoolBox XT System, a medical thawing system designed for use in hospitals and clinical laboratories. The system provides rapid and uniform thawing of frozen samples, ensuring high-quality results and reducing the risk of contamination.

Cardinal Health, Inc. acquired Medtronic's Patient Care, Deep Vein Thrombosis, and Nutritional Insufficiency businesses, including their thawing systems product line, in 2017. This acquisition aimed to expand Cardinal Health's product offerings in the medical devices market.

CytoTherm LP launched its CytoTherm system in 2016. The system is designed for use in clinical laboratories and blood banks and provides rapid and controlled thawing of blood components and stem cells, ensuring high-quality results and reducing the risk of contamination.

In 2021, Helmer Scientific launched its Ultra CWI Series of medical thawing systems that use controlled warm water immersion technology to thaw frozen biological specimens. The series includes three models with different capacities to meet the diverse needs of medical and research facilities. The Ultra CWI Series offers rapid and consistent thawing of specimens while maintaining sample integrity and reducing the risk of contamination.

Barkey GmbH & Co. KG launched its ThawLine product line in 2020. This range of medical thawing systems uses controlled thawing technology for safe and efficient thawing of frozen blood products, cryopreserved cells, and other biological specimens. The ThawLine product line includes several models with different capacities and features to meet the needs of various healthcare settings.

Competitive Landscape:

The global medical thawing system market is witnessing a significant growth trajectory, primarily driven by the growing demand for advanced medical technologies and the escalating prevalence of chronic diseases. The market is highly competitive, with numerous large and small players competing for market share. Among the significant players in the market are Helmer Scientific, Barkey GmbH & Co. KG, Sartorius AG, Boekel Scientific, BioCision, Cardinal Health, Inc.,

CytoTherm LP, CytoTherm, Inc., Thermo Fisher Scientific Inc., and SARSTEDT AG & Co. KG.

Medical thawing systems are essential for thawing frozen biological samples, including blood components, stem cells, and other biological specimens, ensuring the samples' integrity and quality. With the growing demand for efficient and safe thawing of frozen biological samples, the market for medical thawing systems is expanding rapidly. Additionally, technological advancements in thawing systems have further fueled market growth. For instance, companies are now offering systems that use controlled warm water immersion technology and precise temperature-controlled water baths for safe and efficient thawing of biological specimens.

Geographically, North America holds the largest share of the global medical thawing system market, followed by Europe and the Asia Pacific. However, the Asia Pacific region is expected to witness the highest growth during the forecast period, primarily due to the growing healthcare infrastructure and increasing investments in medical research and development in the region.

Request a customization of the report @https://www.reportsanddata.com/request-customization-form/6304

Browse More Reports:

https://www.reportsanddata.com/report-detail/metformin-hydrochloride-market

https://www.reportsanddata.com/report-detail/creatinine-test-market

https://www.reportsanddata.com/report-detail/naphazoline-hydrochloride-chlorphenamine-maleate-and-vitamin-b12-eye-drops-market

Nikhil Morankar
Reports and Data
+ + 12127101370
email us here
Visit us on social media:
Facebook
Twitter
LinkedIn

we have missed, please do bring it to our attention. Your help is welcome. EIN Presswire, Everyone's Internet News Presswire™, tries to define some of the boundaries that are reasonable in today's world. Please see our Editorial Guidelines for more information.