

"Biomedical Warming and Thawing Devices Market to Exceed \$376.7M by 2031, North America Leads with Tech Advancements"

Biomedical Warming and Thawing Devices Market to Hit \$376.7M by 2031, Driven by Blood Donations; North America Leads with Tech Edge

PORTLAND, OR, UNITED STATES, October 15, 2024 /EINPresswire.com/ -- [Biomedical Warming and Thawing Devices Market](#): Growing at 9.1% CAGR to 2031

The global biomedical warming and thawing devices market is set to expand from \$159.3 million in 2021 to \$376.7 million by 2031, with a compound annual growth rate (CAGR) of 9.1%. These devices play a critical role in defrosting cryopreserved biological materials such as blood, tissues, cells, and embryos, making them vital in medical treatments and research.

Key Drivers of Market Growth

- Increasing number of blood banks and infusion centers: The rise in blood donations and blood preservation for transfusions creates demand for warming and thawing devices.
- Trauma and road accidents: The growing need for cryopreserved blood products due to injuries from road accidents is a key market driver.
- Adoption of in-vitro fertilization (IVF): The increase in infertility treatments leads to higher demand for cryopreserved embryos, boosting device demand.
- Technological advancements: Progress in the healthcare sector, especially in the development of automatic thawing devices, continues to expand the market.

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Market Challenges

- Regulatory constraints: Strict guidelines and large batch sizes can hinder market growth.



BIOMEDICAL WARMING AND THAWING DEVICES MARKET

OPPORTUNITIES AND FORECAST, 2021 - 2031

Biomedical warming and thawing devices market is expected to reach **\$376.7 Million** in 2031

Growing at a **CAGR of 9.1%** (2022-2031)

Biomedical Warming and Thawing Devices Market Size, Share, Competitive analysis

- Logistics and supply chain issues: Disruptions in the transportation of cryopreserved products, especially during global crises like the pandemic, have slowed market expansion.

Segmentation Insights

- By Product: The market is divided into manual and automatic devices, with automatic devices expected to dominate due to their efficiency and ease of use.
- By Sample Type: Blood products, including plasma, stem cells, and red blood cells (RBCs), hold the largest market share. However, the stem cell segment is expected to grow significantly, driven by advancements in cell therapy and research.
- By End User: Hospitals and diagnostic laboratories lead in demand, but blood banks and stem cell banks are poised for significant growth due to rising donations and R&D activities.

Regional Analysis

- North America: Leading the market due to technological advancements and a strong biomedical industry presence.
- Asia-Pacific: Expected to grow the fastest, driven by increasing healthcare investment, blood donation activities, and a rise in blood transfusion centers.

Major Market Players

Key companies include:

- Barkey GmbH & Co. KG
- Cardinal Health
- Thermo Fisher Scientific
- GE Healthcare
- Helmer Scientific

These players are focusing on technological innovation and strategic partnerships to strengthen their market position.

The biomedical warming and thawing devices market is on a solid growth trajectory, driven by the increasing demand for blood transfusions, IVF treatments, and technological advancements. However, regulatory challenges and supply chain disruptions remain obstacles that the industry must navigate to ensure continued growth.

For more information, visit: <https://www.alliedmarketresearch.com/purchase-enquiry/A10885>

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