

The Importance of Blood Bank Refrigerators



At Praxas, we understand the critical role that blood bank refrigerators play in preserving the integrity of blood and its components, ensuring they remain safe and suitable for life-saving transfusions. By maintaining precise temperature control, these refrigerators are at the heart of medical facilities and blood banks, helping to support healthcare systems worldwide.

Why are blood bank refrigerators vital to healthcare?

In blood banks, it is vital to store whole blood and blood components such as red cells, plasma, and platelets at strictly controlled temperatures. Maintaining optimal storage conditions is key to preserving the functionality and safety of these products, extending their shelf life, and preventing bacterial growth, which could compromise patient safety.

What sets blood bank refrigerators apart from domestic refrigerators?

Blood bank refrigerators are specially designed to meet the stringent requirements for safely storing blood products. Unlike domestic refrigerators, ARCTIKO blood bank units, which we proudly distribute, come equipped with advanced features such as precise temperature controls, continuous monitoring, and built-in alarm systems. These features ensure a stable temperature of 4°C, which is essential for the safe and reliable storage of blood. Domestic

refrigerators, lacking these specialised capabilities, are not suitable for medical use.

Furthermore, ARCTIKO blood bank refrigerators are certified under MDD 93/42/EEC Class IIA and CE 2460 (Medical Device Class IIA). These certifications demonstrate that ARCTIKO units meet the highest healthcare standards, ensuring unparalleled safety, reliability, and performance required for blood storage. Even the slightest temperature fluctuations can compromise blood quality, making dependable, regulated refrigeration systems crucial for preserving the integrity of these life-saving products.

Why do blood samples need refrigeration?

Refrigerating blood samples is essential for maintaining the integrity of blood cells and slowing the natural breakdown of critical components. By lowering the temperature, metabolic activity and bacterial growth are

reduced, allowing samples to remain viable for extended periods and ensuring accuracy in testing and analysis.

How long can blood remain unrefrigerated?

Blood should never be left unrefrigerated for more than 30 minutes. Exposure to room temperature can lead to bacterial contamination and degrade the quality of the blood, putting patient safety at risk.

ARCTIKO blood bank refrigerators, available through Praxas, are designed to ensure the safe and effective storage of blood products. With advanced **TRUE DUAL™ technology** and certifications under **MDD 93/42/EEC Class IIA** and **CE 2460**, ARCTIKO refrigerators meet the highest regulatory standards required for medical devices. This ensures precise temperature control, compliance with healthcare regulations, and ultimately, the safety of patients.

Explore our complete range of blood storage solutions to enhance the safety and reliability of your refrigeration systems.

Trust Praxas and ARCTIKO to protect your most vital resources. Contact us today to learn more about our innovative solutions.

