

eBook

PRO LINE PLATELET STORAGE

*Industry-leading performance and innovation
in platelet storage*

BY HELMER SCIENTIFIC



CONTENTS



01
KEY OBJECTIVES

02
PRO LINE PLATELET
STORAGE SYSTEMS
DEFINED

03
ADVANCECORE™
TECHNOLOGY

04
PERFORMANCE AND
RELIABILITY

05
MONITORING AND
CONTROL

06
AGITRAK™
TECHNOLOGY

07
EFFICIENCY AND
SUSTAINABILITY

09
PRO LINE INCUBATORS
AND AGITATORS

KEY OBJECTIVES

- What are Pro Line Platelet Storage Systems?
- How does AdvanceCore™ thermoelectric cooling system increase efficiency and sustainability?
- How does AgiTrak™ agitation performance monitoring optimize platelet storage and compliance?



WHAT ARE PRO LINE PLATELET STORAGE SYSTEMS?

Life-saving platelet products are critical to patient care. Helmer Scientific Pro Line incubators and agitators combine innovations in performance, reliability, and efficiency to offer optimized platelet storage and support blood bank compliance.

Performance and Reliability



Provides precise temperature uniformity using AdvanceCore™ thermoelectric cooling technology.

Monitoring and Control



Increases user control with the i.C3® information center and AgiTrak™ agitation monitoring system

Efficiency and Sustainability



Energy efficiency and savings reduce operating costs while eliminating HFCs supports sustainability initiatives.



ADVANCECORE™ COOLING SYSTEM



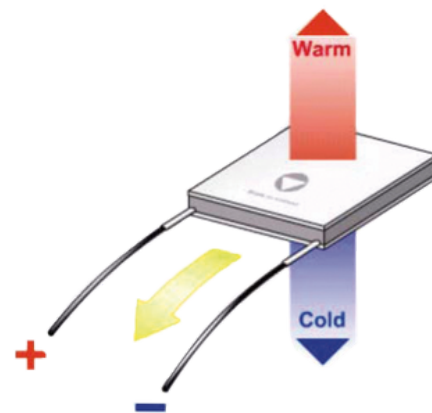
The **AdvanceCore™** solid-state thermoelectric heating and cooling system provides reliable operation for the secure storage of platelets.

What It Is:

A solid-state thermoelectric refrigeration system that uses Peltier technology to transfer heat from inside the cabinet to the room.

What It Consists Of:

- A Thermoelectric Module (TEM) containing Peltier devices, heat exchangers, and heat pipes
- Internal and external fans that create airflow across the TEM to transfer excess heat out of the unit



AdvanceCore™ Technology Advantage

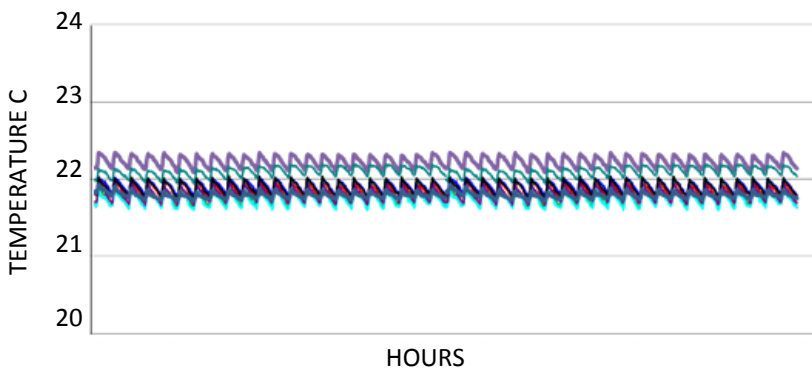
AdvanceCore™ technology automatically heats and cools only as needed to achieve and maintain the correct temperature for platelet storage.

PERFORMANCE AND RELIABILITY

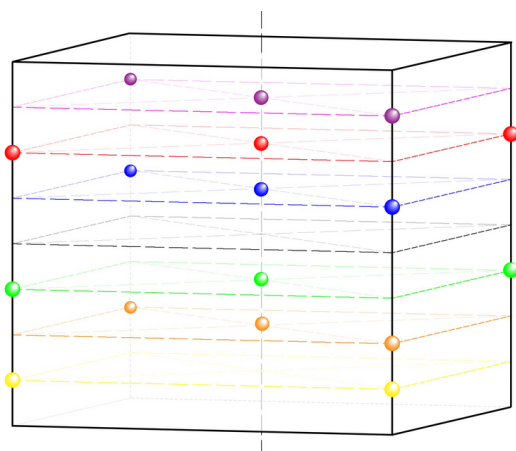


Innovations in the Helmer Scientific Pro Line keep platelet supplies safe and ready to use with the reliability you expect.

Uniformity with PC-Pro Incubators



Helmer Scientific uses **AdvanceCore™ thermoelectric heating and cooling technology** for optimized platelet storage. Pro models have precision temperature controls and operate with a temperature uniformity of $\pm 1^\circ\text{C}$, ensuring your platelet products will not be compromised by temperature fluctuations.



Probe Locations for Uniformity Testing

With a continuous operating temperature of 22°C and temperature uniformity of $\pm 1^\circ\text{C}$, the Pro Line offers a stable storage environment.

MONITORING AND CONTROL



The i.C3[®] information center provides constant temperature monitoring and control, password protected settings, and reporting functionality to keep products safe and support blood bank compliance.

A system status console to provide snapshots of current operating conditions

- Current temperature
- Current alarm conditions and alerts in progress
- Unacknowledged alarms
- Minimum and maximum temperatures
- Historical temperature data



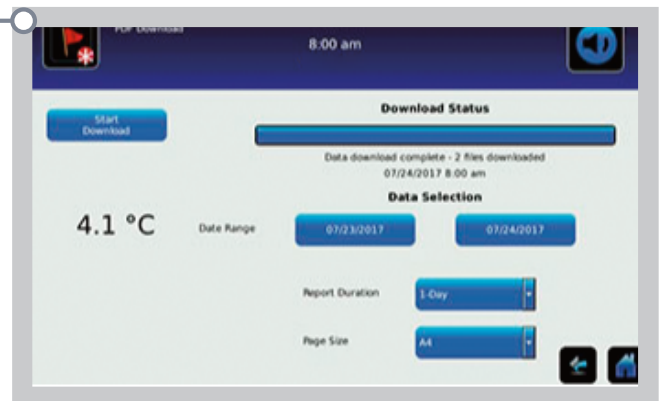
An information and event center to log, review, and record historic temperature information

- Event status, start and end times
- Door open status
- Min/max temperatures during alarm conditions
- Visual event logs
- Interactive temperature graph



A data transfer center to support compliance

- Export up to ten years of temperature, event, and access data via USB port
- Download PDF reports and graphs of temperature readings, agitation speed, and alarm data



AGITRAK™ AGITATION MONITORING SYSTEM



The AgiTrak™ agitation performance monitoring system optimizes platelet storage and monitoring compliance and is integrated with the i.C3® information center.

Multiple Alarm Options

Agitator motion, door open, power failure, communications failure, and low battery alarms ensure platelets are continuously agitated to support compliance.

Agitator Set Up

Set and monitor agitator motion and speed and motion alarm delay.

Live Status Monitoring

View real-time speed and cycle count information, minimum and maximum speed for previous hour, and reset cycle count.

Diagnostics

View operational status details, including lifetime cycle count.

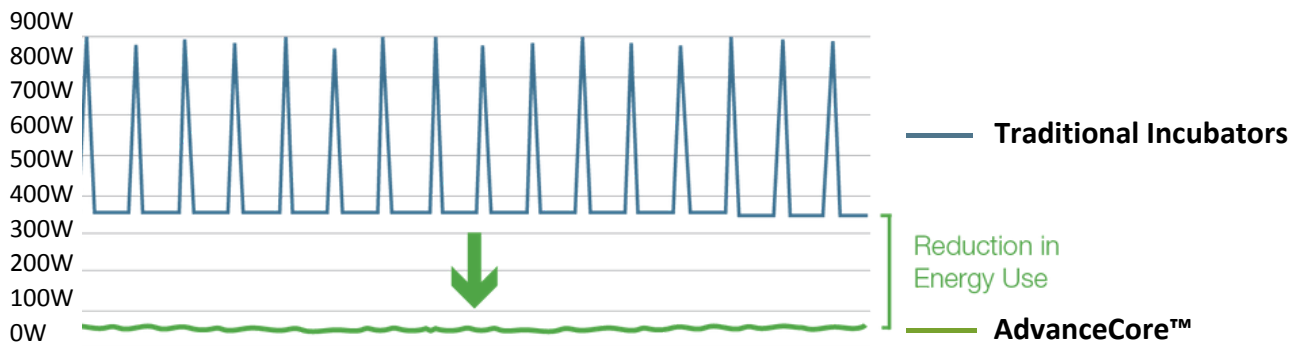


EFFICIENCY AND SUSTAINABILITY



AdvanceCore™ thermoelectric cooling system automatically heats and cools only as needed, reducing energy consumption and increasing efficiency. **Energy use is significantly lower than traditional incubators, reducing operating costs.**

AdvanceCore™ Decreases Energy Utilization



Energy use by Helmer Scientific Pro Line Models is **80-90%** lower than traditional incubators, reducing the total cost of ownership.

Using an average energy rate of \$0.1052/kWh*, that's an annual savings of approximately **\$400 per unit.**

*Based on U.S. Energy Information Administration, commercial sector, Feb 2019

EFFICIENCY AND SUSTAINABILITY



The Pro Line is future-ready and helps blood banks and blood centers meet new environmental standards to reduce the use of HFC refrigerants and support sustainability initiatives.

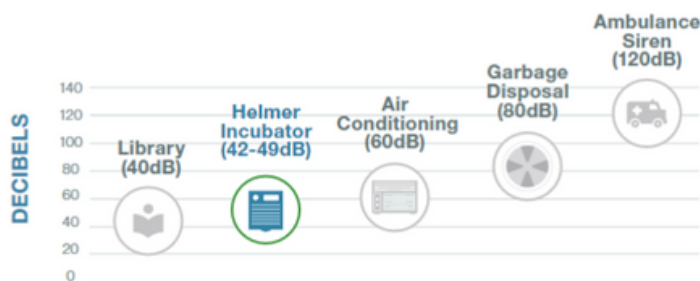
Supports Sustainability Initiatives

The Pro Line AdvanceCore™ thermoelectric cooling system transfers heat through water and is **HFC-free**, eliminating gases targeted under the Paris Climate Agreement, Montreal Protocol, EU F-Gas Initiative, and US EPA SNAP program.



Quiet Operation Improves the Work Environment

AdvanceCore™ technology reduces noise levels, meaning fewer distractions for healthcare personnel.



Every increase of 10dB on the scale is equivalent to a 10-fold increase in sound intensity (~doubling of the perceived loudness)

Pro Line incubator models are designed with variable-speed exhausts fans that adjust as needed, providing a quiet work environment for hospital or blood center staff

PRO LINE PLATELET INCUBATORS AND AGITATORS



PC100-Pro



PF15-Pro



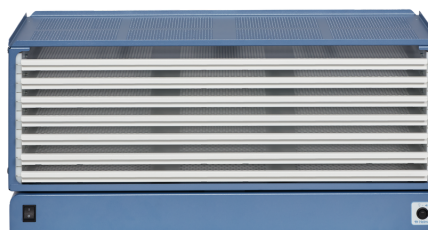
PC900-Pro



PF48-Pro



PC1200-Pro



PF96-Pro

NEW optional integrated electronic access control offers secure PIN access to the platelet incubator!
NEW pull-out, ventilated drawers optimize storage space for different types of bags and workflows!

INNOVATION IN PLATELET STORAGE FROM THE BRAND HOSPITALS AND BLOOD CENTERS TRUST.

Helmer Scientific: A Trusted Brand

Helmer Scientific is the most trusted brand for critical temperature-controlled medical storage needs. Hospitals depend on Helmer Scientific as the leader in platelet storage systems*. We provide these solutions to over 130 countries world-wide.

With **more than 40 years of leadership** in the manufacture of medical storage systems, Helmer Scientific is the recognized industry expert in platelet storage. We know that medical storage solutions are a long-term investment, so we apply our years of expertise to the development and maintenance of products that are made to last. Helmer Scientific purchases come with **support for a minimum of 10 years**, including parts, manuals, and technical and customer service.

About the Author:



Bringing over 20 years of marketing experience in clinical, pharmacy and life sciences industries, Donna is the Sr. Manager of Marketing Communications at Helmer Scientific. She has successfully developed marketing strategies and tactics integrating inbound and outbound methods, digital, and marketing technology to drive commercial business results.



*Based on MD Buyline analysis of U.S. Hospitals