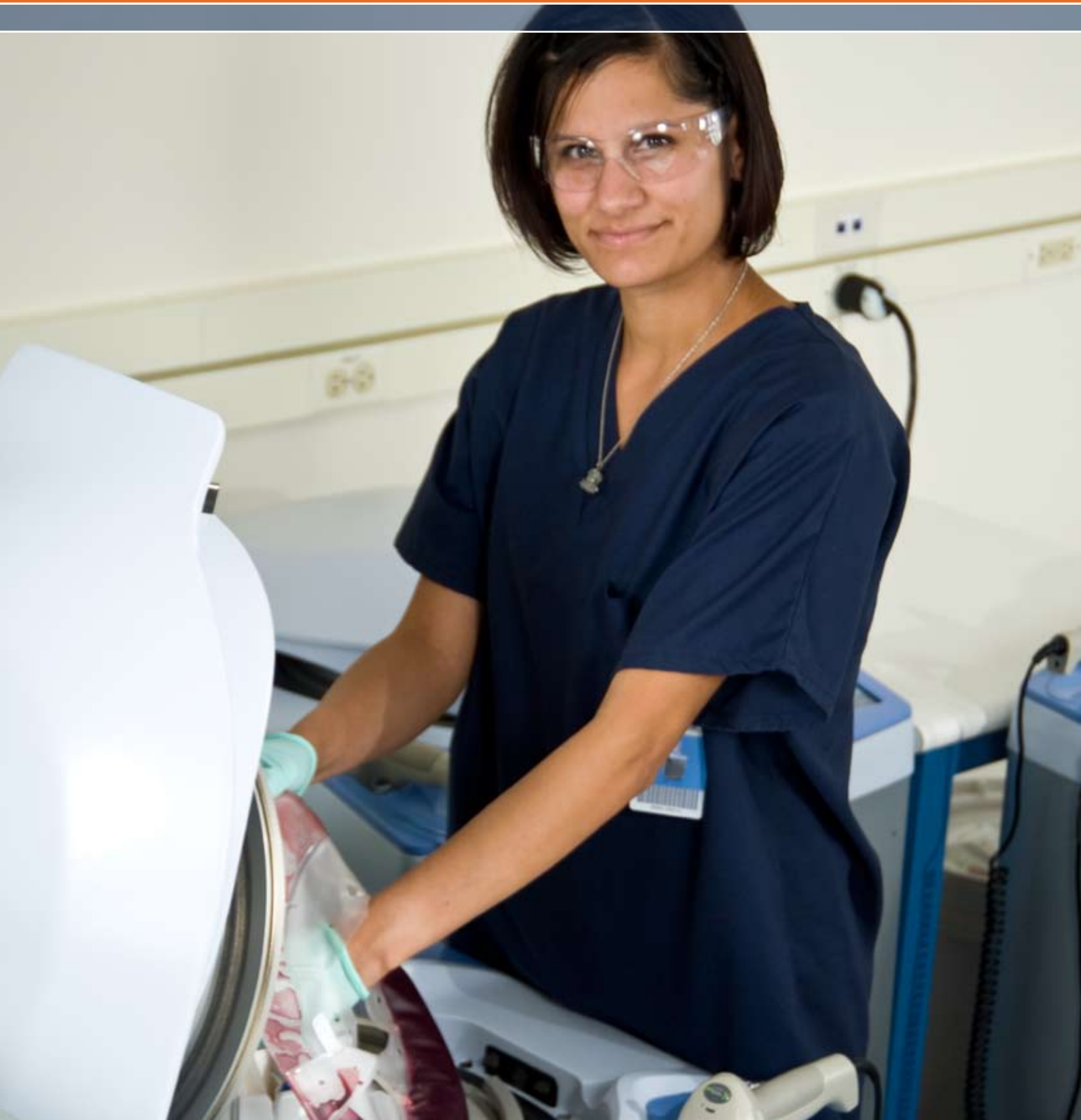




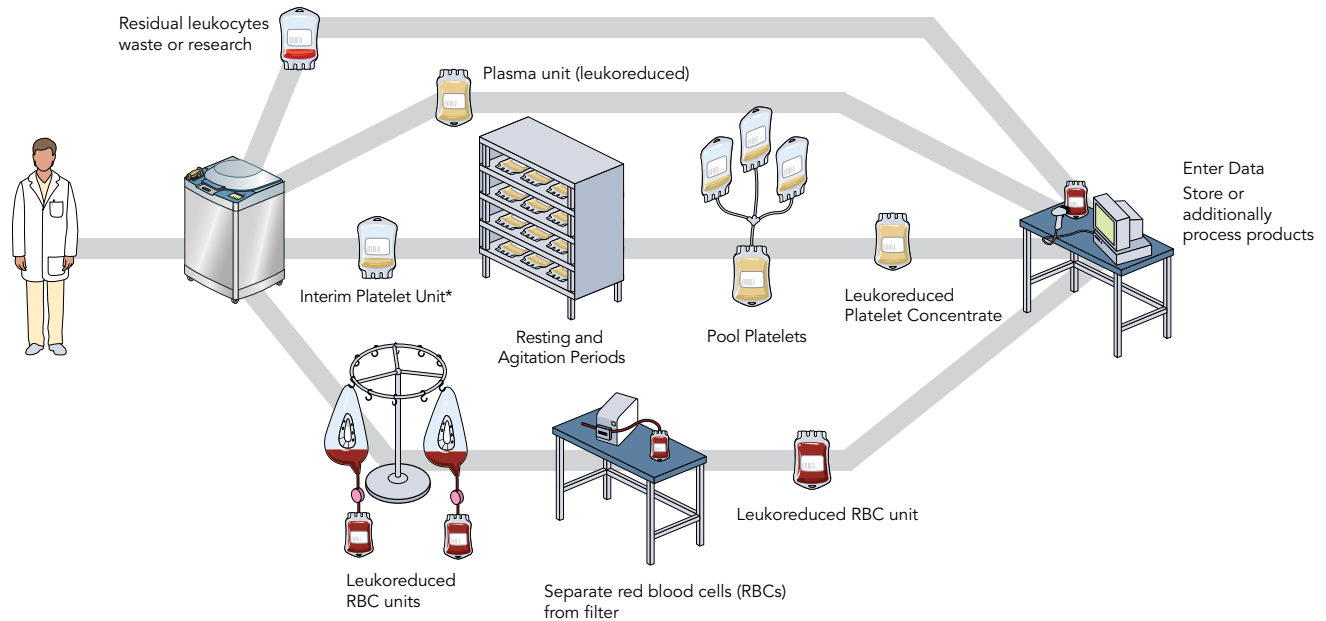
Atreus

WHOLE BLOOD PROCESSING SYSTEM



A revolutionary approach to whole blood processing

The Atreus® Whole Blood Processing System is a self-contained, automated manufacturing system that processes blood components from whole blood units. The system consists of the Atreus device, the Atreus System Manager (ASM) and disposable processing sets. This unique system simplifies whole blood processing by consolidating many labor-intensive manual process steps with automation to remove variability from whole blood production and allowing your blood center to become more effective and successful.



Optimized process with the Atreus system – Whole blood in... RBCs, plasma and interim platelet unit out.

Whole blood processes made simple

The Atreus system automates the way you process whole blood and positively impacts your entire component production process from collection to storage.

- Produce consistently high quality products
- Streamline business process by creating scalability and flexibility
- Create financial value for you and your stakeholders
- Improve management and staff
- Achieve regulatory compliance

* Not yet available in the U.S.



ASM



Atrius system



Work cell



Integrated processing set

Processing sets with built-in convenience

CaridianBCT provides the reliable, high-quality disposable sets you have come to expect. The Atrius system features a unique, organizer that keeps the bags together and simplifies manual preparation of whole blood units for component processing.

Ergonomic features make work easier

Designed with “lean manufacturing” principles in mind, the Atrius system is automated to replace the most laborious manual steps of traditional batch-processing with a smooth, integrated workflow. The result is a simplified blood component separation process that allows the laboratory to operate more efficiently with potentially reduced risk of repetitive strain injury (RSI).

Optimized application

The Atrius system allows for an optimized layout to help you realize the full value of its blood component manufacturing ability. Partner with CaridianBCT to create scalable, flexible manufacturing capacity.

Innovative software solution

The Atrius system provides a powerful, fully integrated information management application, the ASM. User-friendly ASM software captures valuable information from the Atrius device, providing centralized process control and drive operational efficiencies.

Atreus System Specifications

Size (W x H x D)	727 x 965 x 663 mm (29 x 38 x 26 in)
Weight	256 kg (565 lb)
Humidity	5 to 80% RH non-condensing
Operating temperature	18 to 28°C
Storage temperature	0 to 60°C
Pollution degree	2
Installation category	II
Environment	Indoor use only
Rated voltage	208-240 V, 50/60 Hz
Rated input	3.5 kVA
Average input	2.0 kVA
Heat Output	3412 Btu per machine
Electrical supply	20A, single phase
Power plug	NEMA L6-20p
Ventilation	Adequate to dissipate 1.0 KW in normal operation
Minimum clearance envelope (perimeter around the Atreus machine)	152 mm (6 in)
Minimum floor area needed for installation	982 x 812 mm (39 x 32 in)
Accuracy of volume measurement	± 10% of predicted or within 10mL, whichever is greater
Accuracy of time measurement	± 5 sec.
Rotor speed	0 to 3,200 RPM
Floor slope	1.5° max
Safety standards	IEC 60601-1, IEC 61010-2-20
Fluid leak detector	- Capable of detecting 20 mL/min in the rotor - Detects fluid leaks where moisture reaches the wall of the basin
Noise level	<65 dB (SPL)

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