TERUMO BLOOD AND CELL TECHNOLOGIES

Bone Marrow Processing

Advancing Therapeutic Apheresis and Cell Collections to the Next Level of Patient Care

Spectra Optia® Apheresis System

Bringing ease of use to bone marrow processing procedures

The Spectra Optia system helps simplify the bone marrow processing (BMP) procedure through on-screen guidance and a single-bag approach. With a minimal amount of interaction needed throughout the procedure, you can perform other tasks while the system processes the bone marrow in under 90 minutes.

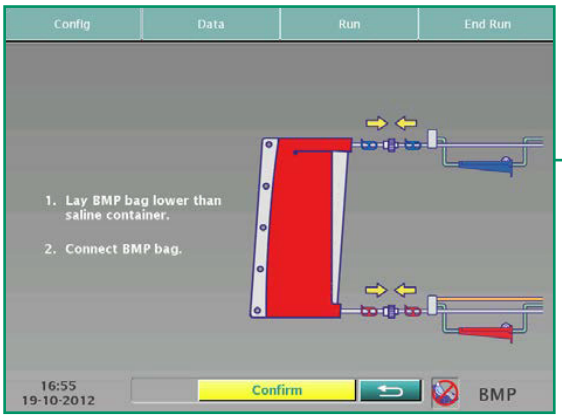
Procedure and System Highlights

Minimal required interactions	■ Streamlines procedure with a single-bag approach ■ Requires less operator supervision, as the system continuously monitors and adjusts the interface ■ Minimizes memorization and simplifies training
Consistent results	■ Automated interface management (AIM) system is designed to produce consistent results through interface stability ■ Performs red blood cell (RBC) reduction greater than 97%* ■ Provides volume reduction greater than 90%, producing a final product volume under 200 mL*
Intuitive graphical user interface (GUI)	Streamlines your procedure management with on-screen instructions and touch-screen data entry
Procedural flexibility	Provides you with control over parameters to meet your target processing outcomes
Large, durable wheels on pivoting casters	Makes maneuvering the system throughout your facility easy

*Validation report on file at Terumo Blood and Cell Technologies.

How It Works

The GUI guides you through each step of the procedure. The examples below demonstrate the ease of monitoring and controlling the settings throughout a procedure.



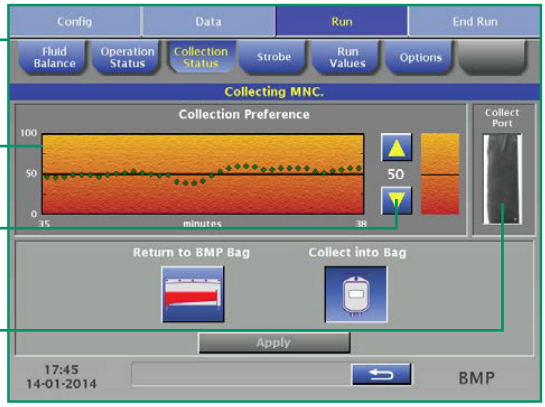
BMP connection screen
The system guides you through connecting the single BMP bag to the inlet and return line on the IDL Set.

Collection status screen

Continuously compares how the system is collecting cells with the target collection preference

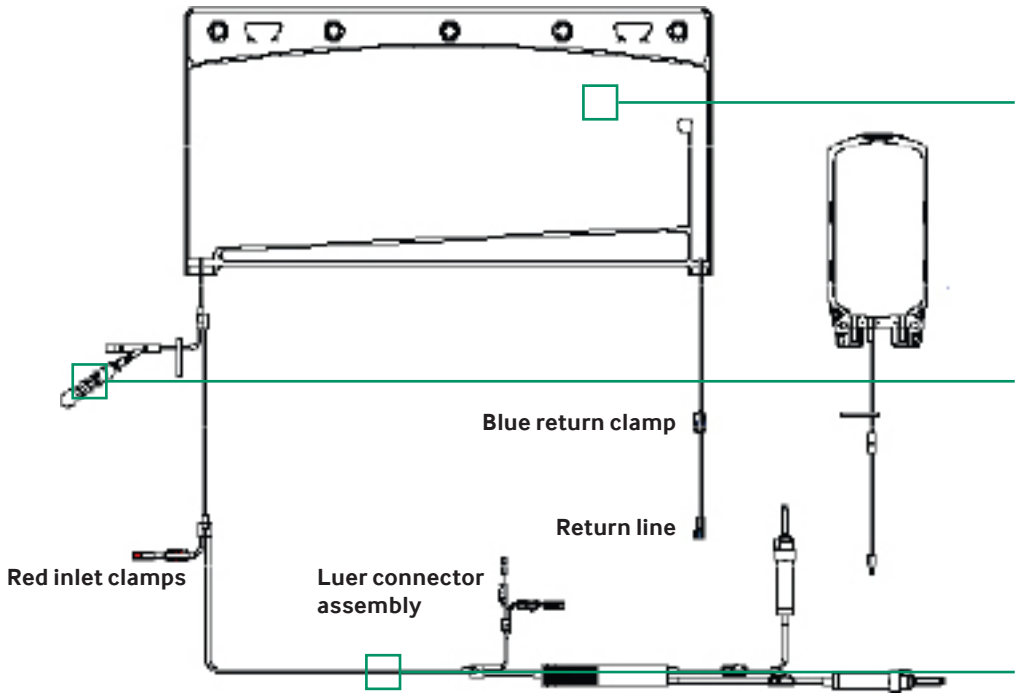
Gives you the ability to adjust your collection preference

Displays an image of the collect port throughout your collection procedure



Run target screen
Once your run targets are attained, the system sounds a tone and displays the target and current values. Yellow frames around a current value make it immediately apparent which run targets were attained.

BMP Accessory Set*



BMP bag
Streamlines operator interaction with a single-bag approach

Sample bulb assembly
Allows sampling before or during the procedure while maintaining a functionally closed system

Administration line
Includes a 200-micron filter on the line with spikes for additional filtration, if desired

*Must be used in conjunction with the Spectra Optia® IDL Set.

Compact packaging	Minimizes the space required for storage
Color-coded components	Simplify setup and operation

Working With You

Every interaction we have with you is important. By fostering open and ongoing relationships, we bring more value to you and the patients we are all focused on serving.

Even after the technology is in place, we continue to serve you with:

- Education and training
- Technical support
- Clinical and scientific support
- Customer support
- User groups and professional networks

Product and procedure availability varies according to regulatory clearance or approval in each country.

TERUMO BLOOD AND CELL TECHNOLOGIES

Terumo Blood and Cell Technologies is a medical technology company. Our products, software, and services enable customers to collect and prepare blood and cells to help treat challenging diseases and conditions. Our employees around the world believe in the potential of blood and cells to do even more for patients than they do today. **TerumoBCT.com**

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