



## PLATELET AND PLASMA COLLECTIONS

ADVANCING THERAPEUTIC APHERESIS AND CELL COLLECTIONS TO THE NEXT LEVEL OF PATIENT CARE

**TERUMOBCT**  
Unlocking the Potential of Blood

**SPECTRA OPTIA®** APHERESIS SYSTEM

## Advancing versatility: 10 protocols on a single device

As the premier therapeutic apheresis device, the Spectra Optia system is advancing versatility by offering the ability to collect platelets and plasma products for transfusions.

The Spectra Optia platelet (PLT) collection protocol was developed using the same technology as the Trima Accel® Automated Blood Collection System, proven worldwide for quality donor platelet and plasma collections.

Designed to streamline donor qualifications and operator processes, the Spectra Optia PLT collection protocol optimizes each collection, based on information collected from each donor. The device can be configured to collect platelets or plasma, or both components concurrently.

### PROCEDURE AND SYSTEM HIGHLIGHTS

Enhances productivity with versatile platelet product configurations	Allows configuration of 10 different platelet products with varying yield, concentration and volumes Collects single, double and triple platelet products Gives the ability to prioritize 20 procedure combinations
Optimizes collections	Achieves more accurate loss tracking with on-screen reporting of residual plasma and RBC loss Supports existing blood center mitigation strategies to reduce plasma exposure for patients
Enhances donor comfort	Provides single-needle procedure Provides draw and return flow management based on total blood volume (TBV)
Offers ease of use	Configurable option to enter donor hematocrit or hemoglobin Graphical user interface that prompts the operator through the procedure
Produces quality leukoreduced platelet products	Event based monitoring of leukoreduction process with end of collection quality control messaging

### BENEFITS OF PLATELET COLLECTION ON THE SPECTRA OPTIA SYSTEM VERSUS THE COBE® SPECTRA APHERESIS SYSTEM

Easier loading, fewer set-up steps	Simplifies training Helps improve staff utilization
Automated air removal from platelet and plasma bags	Helps reduce operator time
Leukoreduced, ready-to-store plasma and platelet products	Helps reduce handling of blood products
Automated flow management system	Option to configure draw and return flow rate based on donor's TBV
In process leukoreduced plasma	Event based monitoring of the plasma leukoreduction process
Product verification messages	Displays detailed messages rather than codes to promote operator proficiency
Improved process consistency and control	Facilitates validations for regulatory compliance and good manufacturing practices

Protocol is not available in U.S. or Canada.



## PERFORMANCE COMPARISON

	SPECTRA OPTIA SYSTEM PLT	COBE SPECTRA SYSTEM V7 (SN)
Collection time <sup>1</sup> Approximately 20% shorter	4.0 x 10 <sup>11</sup> in 46 min 6.0 x 10 <sup>11</sup> in 82 min	4.0 x 10 <sup>11</sup> in 71 min 6.0 x 10 <sup>11</sup> in 108 min
Yield consistency <sup>2</sup> Reduced variation in delivered yields	Spectra Optia System PLT CV = 9.4%	COBE Spectra System Turbo CV = 17.6%

## TIME COMPARISON

	SPECTRA OPTIA SYSTEM PLT	COBE SPECTRA SYSTEM
Loading <sup>3</sup>	≈ 1.5 minutes	4 minutes
Tubing set test/priming	≈ 5 minutes	12 minutes
<b>Total setup</b>	<b>3 minutes</b>	<b>16 minutes</b>
Rinseback	4 minutes (standard rinseback)	8 to 10 minutes
<b>Total</b>	<b>7 minutes</b>	<b>24 minutes</b>
<b>Time savings</b>	<b>17 minutes</b>	

<sup>1</sup> Trima Accel System platelet/plasma collection software (based on performance modelling)

<sup>2</sup> McAteer M, et al., "An Improvement in Platelet Collection Precision as Measured by a Reduced Coefficient of Variation for Products Collected Using the Trima Accel System." *Transfusion* 2002; 42 (Suppl.) 37.

<sup>3</sup> Time includes unpacking coils, bags, snapping on cassette or cartridge, threading the lines into valves, pressure sensors, air chamber and collection concentration monitor (COBE Spectra system only), connecting fluids, loading fluid detectors, unpacking, and loading channel and loop.

## Working with you

Each and every interaction we have with you is important. By fostering open and ongoing relationships, we bring more value to you and the patients we're all focused on serving. Even after the technology is in place, we continue to serve you by advancing apheresis through:

- Education and training
- Clinical support
- Users groups and professional networks
- Technical support
- Customer support

**Terumo BCT**, a global leader in blood component, therapeutic apheresis and cellular technologies, is the only company with the unique combination of apheresis collections, manual and automated whole blood processing and pathogen reduction. We believe in the potential of blood to do even more for patients than it does today. This belief inspires our innovation and strengthens our collaboration with customers.

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