

# COBE® SPECTRA

## APHERESIS SYSTEM

### Customized Therapeutic Apheresis Procedures

The COBE Spectra system is the most widely used therapeutic apheresis technology platform in the world with the largest variety of therapeutic apheresis (TA) protocols:

- A variety of user-friendly features
- Automated protocols with operator controlled flexibility
- Easy-to-load disposables
- Transportable
- Intuitive graphic user interface
- Designed for patient safety

**Connect with the System of choice for  
Therapeutic Plasma Exchange (TPE),  
Red Blood Cell Exchange (RBCX), and  
Cellular Depletions and Collections**



# The COBE Spectra System Offers a Wide Variety of Procedures, Making it a Versatile Therapeutic Apheresis Platform

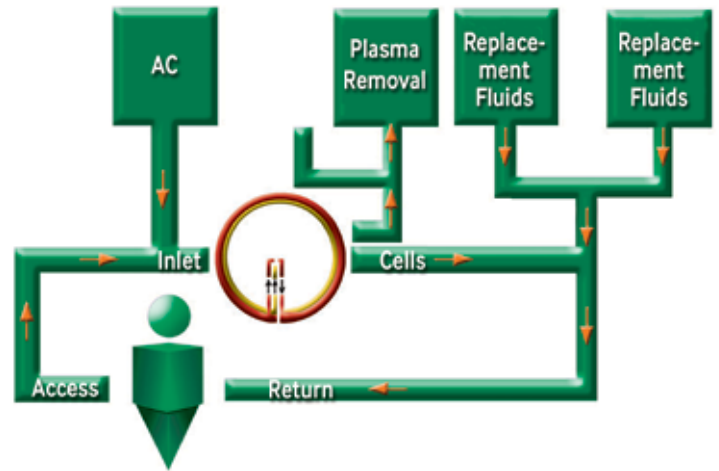
- TPE – Therapeutic Plasma Exchange
- RBCX – Red Blood Cell Exchange and depletions
- Depletions – platelet and white blood cell depletions
- Lymphoplasma exchange

## Patient Comfort and Safety

- Automatically balanced centrifuge speed and blood inlet flows optimize plasma removal rate and minimize platelet loss
- Anticoagulant infusion is customizable to patient size for added comfort and safety
- Short processing time
- Removes targeted components efficiently

## Features: Efficient and Adaptable

Customizes procedures to each individual patient	<ul style="list-style-type: none"> <li>■ Optimizes patient outcomes and safety</li> </ul>
Wide range of continuous inlet flow settings (<10 mL/min to 150 mL/min)	<ul style="list-style-type: none"> <li>■ Accommodates small patients</li> <li>■ Shorter procedures</li> <li>■ Allows management of vascular access</li> </ul>
Automatic fluid balance 75%–100% of removed components (plasma or red blood cells) and replacement fluid	<ul style="list-style-type: none"> <li>■ Eliminates manual calculations</li> <li>■ Supports patient safety and comfort</li> <li>■ Affords more time for patient care</li> </ul>



Representation of Fluid Pathways During a TPE Procedure



## The COBE Spectra System Edge

Terumo BCT originally designed the COBE Spectra system to be highly efficient and user friendly – benefiting the patients, prescribing physicians and operators.

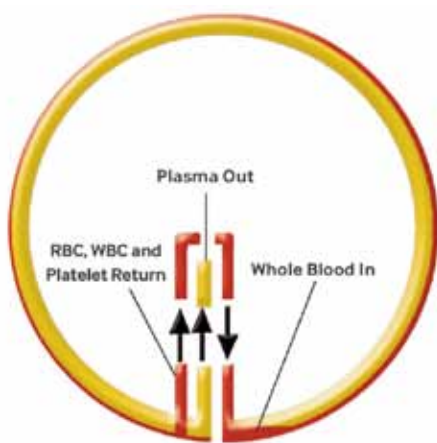
Simple set up	<ul style="list-style-type: none"> <li>Easy to prime and run</li> </ul>
Customized procedures and replacement fluid capabilities	<ul style="list-style-type: none"> <li>Procedures can be tailored to the patient’s specific medical condition</li> </ul>
Low platelet and no measureable RBC loss during TPE	<ul style="list-style-type: none"> <li>Important for patient safety</li> </ul>
Low ECV	<ul style="list-style-type: none"> <li>Only 170 mL (whole blood equivalent) in TPE and RBCX sets; ideal for small patients</li> </ul>
Automatic AC management	<ul style="list-style-type: none"> <li>Anticoagulant infusion matched to each patient’s needs</li> <li>Supports patient safety – with less intervention</li> </ul>
Single needle capability	<ul style="list-style-type: none"> <li>Option of switching from dual to single needle during an active TPE run</li> </ul>
Transportable	<ul style="list-style-type: none"> <li>Moves within the facility or to other sites as needed without the need for re-calibration</li> </ul>
Automated RBCX	<ul style="list-style-type: none"> <li>Efficient procedure eliminates manual calculations, and provides accurate remaining patient RBC and hematocrit outcomes, while minimizing replacement red cell usage</li> </ul>
Flexibility	<ul style="list-style-type: none"> <li>Interface control allows optimization of cellular reduction in WBC depletions</li> </ul>

### Predicted Run Results for TPE Procedures

- Procedure time
- Replacement fluid volume
- Fluid balance requested
- Plasma removed
- Total plasma volumes exchanged
- Anticoagulant volume and total anticoagulant collected in the plasma waste bag

### Automated “Customizable” Run Parameters for TPE Procedures

- Pump speeds – AC, Inlet, Plasma, Replace
- Anticoagulant ratio
- Centrifuge RPM
- Fluid balance
- Plasma volume removed
- Volume replaced



Centrifuge Channel Showing Separation of Blood Components

# COBE SPECTRA APHERESIS SYSTEM

## Highly Customizable

The COBE Spectra system has been designed to adapt to the needs of both patient and prescriber, making it a versatile TA system.

- Customizable procedure control to address each patient's needs
- TA procedures adaptable to a wide variety of patients
- Custom procedures work in conjunction with automatic features to save valuable time and resources

## The Support You Need When You Need It

Terumo BCT supports the COBE Spectra system with experienced therapeutic apheresis clinical and technical support. Our global support includes comprehensive training materials, regional and on-site training programs, therapeutic website access and support center assistance.

## COBE Spectra System Disposables

TPE Disposables		
COBE Spectra TPE set	70500	6 per case
Single needle conversion set	70010	12 per case
RBCX Disposables		
COBE Spectra RBCX set	70700	6 per case
WBC and Platelet Depletion Sets		
White blood cell set	777006-000	6 per case
White blood cell set – functionally closed	70629	6 per case
White blood cell set – functionally closed (ISBT-labeled blood bags)	70620	6 per case
White blood cell set (ISBT-labeled blood bags)	70600	6 per case
ELP Set with LRS® Chamber	777003-015	6 per case
ELP Set with LRS Chamber (ISBT-labeled blood bags)	70300	6 per case

Visit our website at [TERUMOBCT.COM](http://TERUMOBCT.COM) for further information on the COBE Spectra system.

# TERUMOBCT

**Terumo BCT, Inc.**  
10811 West Collins Ave.  
Lakewood, Colorado 80215-4440  
USA  
USA Phone: 1.877.339.4228  
Phone: +1.303.231.4357  
Fax: +1.303.542.5215

**Terumo BCT Europe N.V.**  
Europe, Middle East and Africa  
Ikaroslaan 41  
1930 Zaventem  
Belgium  
Phone: +32.2.715.05.90  
Fax: +32.2.721.07.70

**Terumo BCT (Asia Pacific) Ltd.**  
Room 3903-3903A, 39/F  
ACE Tower, Windsor House  
311 Gloucester Road  
Causeway Bay, Hong Kong  
Phone: +852.2283.0700  
Fax: +852.2576.1311

**Terumo BCT Latin America S.A.**  
La Pampa 1517 - 12th Floor  
C1428D2E  
Buenos Aires  
Argentina  
Phone: + 54.11.5530.5200  
Fax: + 54.11.5530.5201

**Terumo BCT Japan, Inc.**  
Ebisu South One Bldg. 9F  
1-7-8, Ebisu-minami,  
Shibuya-ku, Tokyo 150-0022  
Japan  
Phone: +81.3.6743.7890  
Fax: +81.3.6743.9800

