



TERUMOBCT

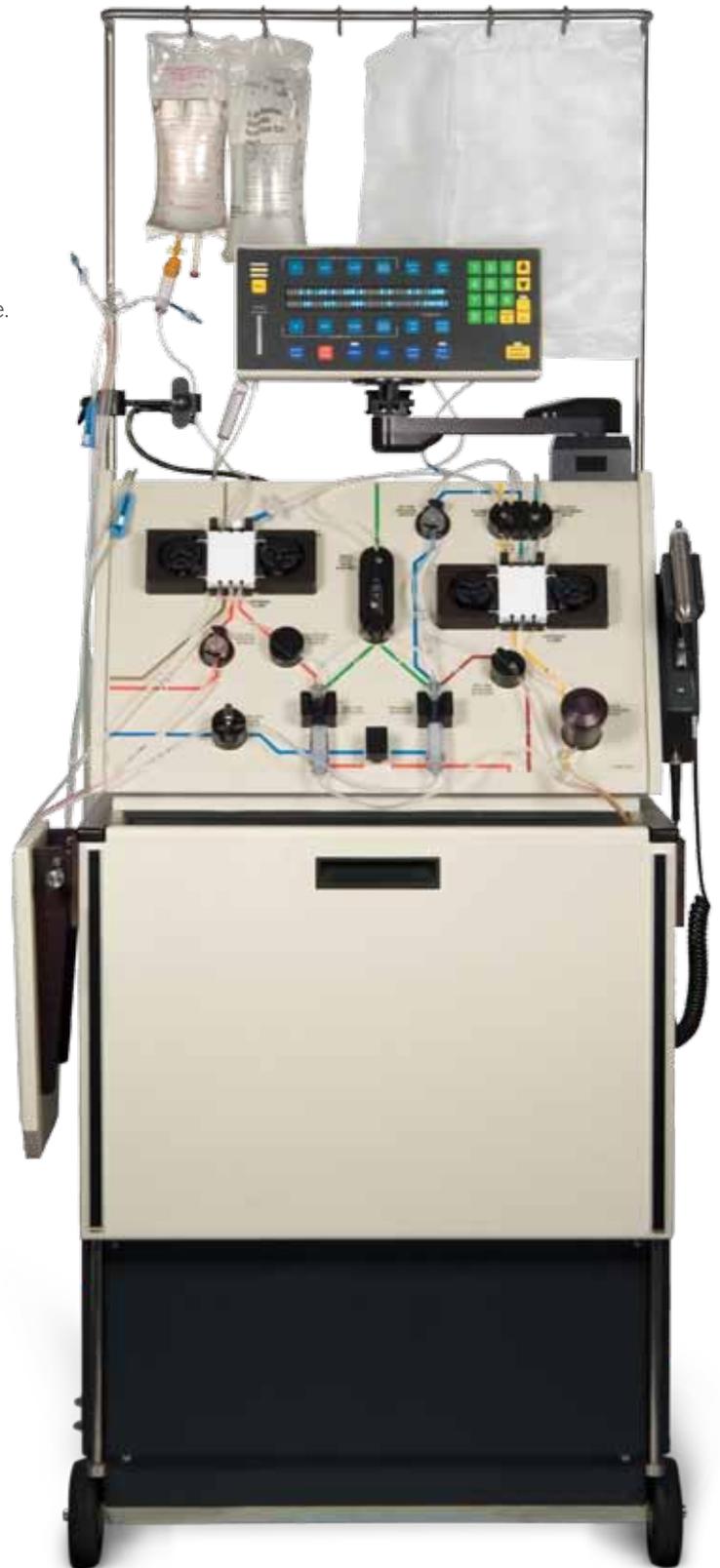
COBE® Spectra  
APHERESIS SYSTEM

# The COBE Spectra apheresis system

## Your connection to apheresis versatility

### Connect with the outcomes you're looking for

You put a great deal of hard work and dedication into caring for your patients. At Terumo BCT, we'd like to help. Which is why we created the COBE Spectra system, offering flexible solutions in cell therapy, therapeutic apheresis and transfusion medicine. The COBE Spectra system is the most widely used platform in its field, and we're continuing to find ways to enhance its performance. The COBE Spectra system continues to set new standards, with sophisticated algorithms that tailor procedures to the physiology of both donor and patient.



## Expanding therapeutic applications

**No matter what your needs are, we deliver solutions that will link you to the right therapy outcomes.**

### We've changed the way you deliver patient care

One of the COBE Spectra system's greatest advantages lies in unique technology that lets you perform a variety of procedures on one platform.

You can choose between different procedures and options as the need arises. COBE Spectra's procedural flexibility lets you use the machine in different departments of your blood center or hospital, making it cost-effective. Plus having all procedures on one platform means less training for your staff, which helps increase your operation's efficiency.

### A history of firsts

Over the years, the COBE Spectra system has been first in many areas, all leading to the consistency and process control you need.

For example, the COBE Spectra system was the first centrifugal separation device to introduce therapeutic plasma exchange (TPE) with automated fluid balance and anticoagulant (AC) management controls.

We led the way with sophisticated algorithms that tailor therapeutic procedures and donations to the patient's and donor's total blood volume, as well as their hematocrit and platelet precounts. We were the first with procedure results screens to aid in process control and consistency.

Terumo BCT also pioneered the unique LRS® chamber, with technology that allows online, process-controlled leukoreduction.



# Your connection to cell therapy

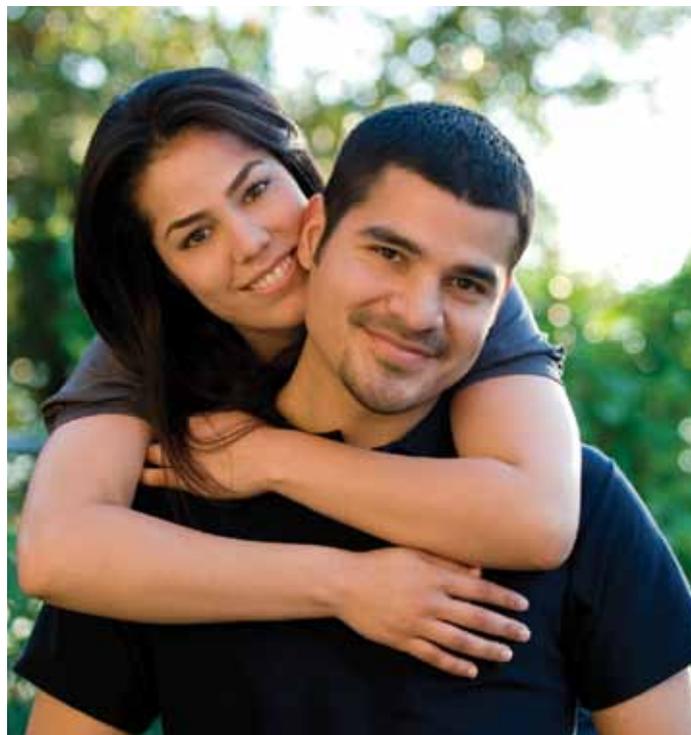
Patients and procedures are unique. With our numerous procedure choices, you can provide solutions for all sorts of patient types. The COBE Spectra system's flexible interface control and flow rate options allow you to customize each procedure to match your specific patient needs.

The COBE Spectra AutoPBSC protocol offers hands-free options for busy centers by performing stem cell collection\* automatically. It also allows low extracorporeal volumes (ECVs) for small patients.

Our Mononuclear Cell (MNC)\* Collection program offers customized control for independent command over MNC collections. Also, it's ideal for large-volume leukapheresis, so you can obtain the high yields and transplantation doses needed for patient care.

The COBE Spectra system has the flexibility to collect donor granulocytes\* and lymphocytes, as well as perform bone marrow processing (BMP). Automated procedure controls help reduce the risk of cross-cellular contamination of collections and enhance safety by minimizing donor and patient platelet loss.

Today, the COBE Spectra system is the tried and true leader in stem cell therapy.



## Cell therapy on the COBE Spectra system

**Autologous or allogeneic peripheral blood stem cells**

**Bone Marrow**

**Mononuclear Cells**

**Granulocytes**

\*Polymorphonuclear cells, such as granulocytes, and mononuclear cells, such as stem cells, for transfusion are not biological products licensed by the US Food & Drug Administration. Terumo BCT makes no claims for the efficacy of these products.

# Your connection to therapeutic apheresis



Clearly, the COBE Spectra system is the most flexible therapeutic apheresis system on the market today. It all starts with process control, which monitors pump rates, fluid balances, volumes and AC management for enhanced safety. The COBE Spectra system's built-in algorithms accommodate each patient's total blood volume and hematocrit, while its effective procedures can be delivered with minimal operator intervention. This frees you and your staff to focus on your patients, not on the technology.

## Therapeutic Plasma Exchange (TPE)

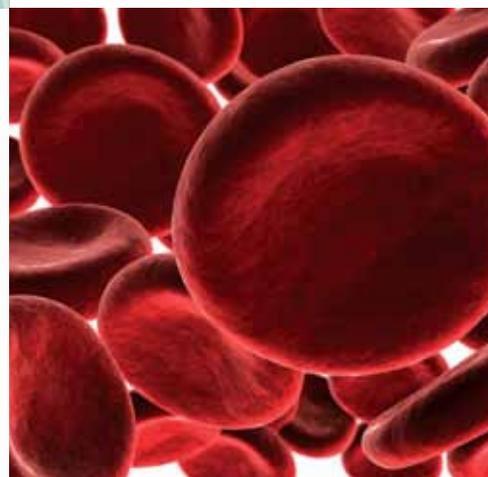
Proof of our trusted leadership is the fact that most TPE procedures in the world today are performed on COBE Spectra systems. The system removes diseased elements, autoantibodies, alloantibodies and immune complexes in a variety of conditions. Customized performance is based upon the patient's characteristics. And as a result of low platelet losses on plasma exchanges and low ECV, patient safety and outcomes are optimized.

## Red Blood Cell Exchange (RBCX)

We built the COBE Spectra system with more automated capabilities in RBCX procedures than ever before. Enter the known patient information and desired result, and the system automatically controls fluid and red cell mass balance to match the desired outcomes. You can remove diseased red blood cells or perform red cell depletions — efficiently and accurately.

## More therapeutic functions

In addition to its many other functions, the COBE Spectra system also performs WBC and platelet depletions, and lymphoplasma exchange, making it even more flexible in a therapeutic environment.



# Your connection to transfusion medicine

## Exclusive LRS technology for platelets allows online process control for leukoreduction

At Terumo BCT, we engineered the COBE Spectra system to cost-effectively provide high-quality leukoreduced platelet and plasma products.

The flexibility of the system allows you to choose between therapeutic needs or transfusion medicine requirements. Precise procedure controls reduce costs and increase your productivity.

The COBE Spectra system provides a clear advantage in quality and process control. With LRS platelets, you can easily confirm that a transfusable, prestorage leukoreduced product has been successfully collected.

And since the system can provide double platelet products (DPPs) from a single donor, you can efficiently collect two single-donor platelet transfusions during one apheresis procedure.



## Connect to quality and safety

During our development and evolution of the COBE Spectra system we've always kept the comfort and safety of donors and patients a top priority. We worked hand-in-hand with customers like you to make sure the COBE Spectra system provides the highest-quality blood product.

## Better outcomes start here

Hospitals around the world use the COBE Spectra system for the collection of high-quality blood products, collected efficiently and accurately.

Because the COBE Spectra system lets you customize procedures to fit your needs, it gives you flexibility in cell therapy, therapeutic apheresis and transfusion medicine. You also benefit from customer support, from initial implementation to ongoing consultation.

At Terumo BCT, we stand ready to be your valued partner. And the COBE Spectra system is a vital part in making our partnership with you a strong and lasting one.







## 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  
New York Life Tower, Windsor House  
311 Gloucester Road  
Causeway Bay, Hong Kong

Phone: +852.2283.0700  
Fax: +852.2576.1311

### Terumo BCT Latin America S.A.

Juncal 1311 4th Floor  
C1062ABO  
Buenos Aires  
Argentina

Phone: +54.11.5530.5200  
Fax: +54.11.5530.5201

