

TERUMOBCT
Unlocking the Potential of Blood

COBE® 2991
CELL PROCESSOR

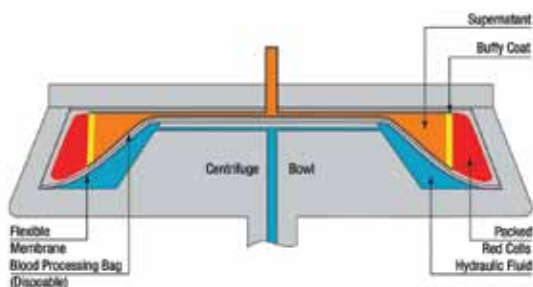
Benefit from Reliable, Proven Performance

The reliable COBE 2991 Cell Processor and disposables offer operational reliability and proven cell washing performance. Often praised by users for its intuitive design, you can depend on the COBE 2991 Cell Processor.

Established Design

The COBE 2991 Cell Processor has been designed to facilitate superior performance and operational reliability.

- Variable spin times and speeds allow separation of components through centrifugation
- The agitate mode washes desired cell components with a choice of solutions
- Fluids or cells are expressed by the action of hydraulic fluid against a flexible membrane



Gain Control and Consistency Through Automation

Automated cell processing provides valuable benefits.

- Reduce risk of component contamination
- Consistently reproduce results
- Save operator time with procedural efficiency

The COBE 2991 Cell Processor offers optimal protocol control.

- Store up to ten separate protocols in program memory
- Program changes to protocols at any point during operation for maximum flexibility



Experience the Convenience of Versatility

Use the COBE 2991 Cell Processor in a variety of environments.

- Blood banks
- Transfusion laboratories
- Cellular therapy laboratories
- Commercial manufacturing facilities

Enjoy Procedural Simplicity

- Intuitive operation minimizes training time, requires less technical support and reduces opportunity for operator errors
- Color-coded disposables enable you to follow a flow path easily, facilitating quick loading
- The clear centrifuge cover allows you to view cellular separation and to control supernatant expression

Access Complete Protocol Flexibility

The COBE 2991 Cell Processor offers the security of proven performance with the value of multiprotocol flexibility.

Unique equipment design enables a variety of procedures for washing and concentrating cellular components. Use the COBE 2991 Cell Processor for these applications:

- Deglycerolization of previously frozen products
- Bone marrow processing
- Washing of mononuclear cell (MNC) and stem cell concentrate
- Washing of blood salvaged during surgery for autologous reinfusion
- Volume reduction of cultured and expanded cell products
- Cell concentration and media exchange
- Density gradient separation
- Washing of packed red blood cells to remove plasma



Blood Product	Description	Benefits
Previously frozen deglycerolized red cells	<ul style="list-style-type: none"> 95 percent white cell removal 90 percent red cell recovery 99.9 percent plasma and plasma protein removal 95 percent platelet removal 90 percent microaggregate removal 	<ul style="list-style-type: none"> Reduce transfusion reactions Avoid human leukocyte antigen (HLA) sensitization Avoid anaphylactic reactions Avoid urticarial reactions Reduce alloimmunization Use for autologous storage Eliminate need for microaggregate filter Rapid flow for transfusion Reduce viral loading Control storage and inventory of rare blood types
Washed, packed cells (adult or pediatric)	<ul style="list-style-type: none"> 85 to 93 percent red cell recovery 99.8 percent plasma and plasma protein removal 	<ul style="list-style-type: none"> Reduce transfusion reactions Avoid anaphylactic reactions Avoid urticarial reactions Eliminate need for microaggregate filter Achieve rapid flow for transfusion Reduce viral load
Bone Marrow/MNC concentrates	<ul style="list-style-type: none"> Semi-automated processing and purification Volume reduction Red cell, polymorphonuclear (PMN) cell and platelet reduction Density gradient separation possible 	<ul style="list-style-type: none"> Reduce procedure time and cost Reduce cell clumping Reduce storage requirements Reduce RBC stroma and hemoglobin Reduce dimethylsulfoxide (DSMO) volume for freezing/transplant Transfuse across ABO lines
Other applications performed on the COBE 2991	<ul style="list-style-type: none"> Lymphokine activated killer cell (LAK) processing Separation of cellular components for transplantation Granulocytes for neonatal use Young red cells Salvage shed blood 	

Voltage and Language Options

Catalog Number	Voltage VAC	Frequency Hz	Language
<i>Five pinch valve model</i>			
91000	115	60	English (U.S.)
91001	240	50	English (Australia)
91002	220	50	French
91004	220	50	German
91005	100	50	Japanese
91006	100	60	Japanese
91010	220/240	50	English (UK)

COBE 2991 Dimensions

	Width	Depth	Counter Height	Top of Control Box
Inches	18	30	37.5	61
cm	46	77	96	155
Weight 430 lbs (195 kg)	Heat Output, 1900 BTU/hr (479 kcal/hr)		Airflow 70 CFM (2m ³) (See operating clearance)	

Operating Clearance

A minimum of 15 inches (38 cm) is required on either the right or the left side. A two-inch (5.1 cm) clearance must be maintained at the rear for air circulation. Clearance at the front is 30 inches (76 cm).

Service Clearance

A minimum of 30 inches (76 cm) is required on all sides for service. Device is equipped with fixed casters in the rear and swivel casters in the front to permit moving machine for servicing. Casters have locking device to prevent movement when the COBE 2991 is operating.

TERUMOBCT

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