



**Leukotrap® RC System with RC2D Filter**  
The Universal Blood Collection System  
for Leukoreduced Red Blood Cells

**Description**

A closed system for collection of one unit of whole blood and the pre-storage leukoreduction of packed red blood cells followed by the subsequent storage of red blood cells, platelets and plasma.

**Indication:** Filtration of packed red blood cells up to 72 hours.

**BLOOD COMPONENTS PRODUCED:**

- ▶ Leukoreduced red blood cells.
- ▶ Non-leukoreduced platelet concentrates.
- ▶ Non-leukoreduced plasma.

**Leukotrap RC System with RC2D Filter**



Reorder code: 129-92, Double with standard bags

**Leukotrap RC System with RC2D Filter**



Reorder code: 129-93, Triple with CLX® platelet bags

**Performance**

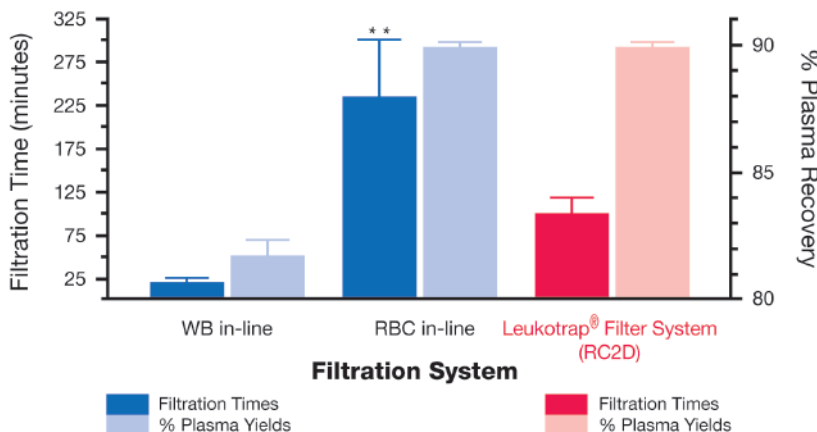
**PALL RC2D Leukocyte Reduction Filter – A Product Innovation for All Processing Conditions**

The Pall RC2D Leukocyte Reduction Filter consists of two key state-of-the-art design concepts: dual media disks and innovative flow manifold. This unique design increases the filtration surface area by 50% over single-sided filters providing consistent performance across a broad range of processing

conditions with greater plasma recovery and lower, more consistent white blood cell residuals.

- ▶ **Reduces filtration times** under all processing conditions, even 72 hours in the cold.
- ▶ **Maximized plasma recovery** over WB in-line systems by as much as 10%.
- ▶ **Adaptable** to semi-automated processing.

**Figure 1: Maximizing Plasma Recovery\* and RBC Filtration Time with the Leukotrap RC System (RC2D Filter)**



\* Method Used with all in-line systems: 500 mL whole blood draw/CP2D stored at 1-6 °C for 24 hours. Centrifuged (5000 x g) for 10 minutes and plasma expressed until RBC begin to exit the bag.

\*\* 2/6 filtrations had slow flow characteristics and exceeded 4 hours to completion.

## RBC In-Line Systems

### Specifications

#### CONDITIONS OF USE

▶ **Shelf life:**

- 3 years in unopened foil pouch; 30 days in an opened/resealed foil pouch.
- The set can be removed from its foil pouch and outer wrap (cellophane) packaging and stored for up to 4 days exposure at room temperature with no compromise of product solution integrity.

▶ **Storage conditions:** room temperature; avoid excessive heat; protect from freezing.

▶ **Single use.**

#### COLLECTION

▶ **Latex content:** This product is free of natural rubber latex.

▶ **Collection capacity:** 500 mL.

▶ **Needle protection device:** For reducing needlestick injury.

▶ **Ultra Thin Wall 16-Gauge Needle:** 100% tested for needle sharpness for donor safety and comfort.

- User friendly, finger contoured needle hub with a “bevel-up” indicator.
- Tamper evident needle cover.

▶ **In-line Sampling system:** Sample Diversion Pouch Sampling System.

- Diverts initial 42 mL of blood collected.
- Reduces donor chair time by providing test sample access while collection bag is filling.

#### PROCESSING & STORAGE OF BLOOD PRODUCTS

▶ **Anticoagulant:** 70 mL Citrate Phosphate Double Dextrose (CP2D).

▶ **Additive solution:** 100 mL AS-3 (Nutricel® System).

▶ **Filter:** RC2D Leukocyte Reduction Filter.

- Filter housing hold-up volume - 35 mL.
- White cell residuals consistently averaging less than  $1 \times 10^6$ ; well below industry standards and guidelines.

- RBC recovery greater than 90% under all processing conditions (< 8 hours soft spin, < 8 hours hard spin and 72 hours hard spin).

▶ **Plastic:**

- Except for the CLX platelet storage container, all bags and tubing are polyvinyl chloride (PVC) with di (2-ethylhexyl) phthalate (DEHP) plasticizer.

- The CLX container is PVC with tri (2-ethylhexyl) trimellitate (TEHTM) plasticizer. This proprietary plastic is transparent, flexible and gas permeable and designed to maintain acceptable pH over the component's shelf life.

▶ **Tubing:** All tubing is compatible with standard sterile tubing connection devices.

▶ **Snap-open closures:** For easy, fast opening of fluid paths between bags.

▶ **Satellite bags:** Standard (STD), i.e., DEHP plastic bag, or CLX platelet storage bag, as indicated.

Note: For those systems with CLX storage bags attached, plasma may be stored.

▶ **Blood bag labels:** Enhanced paper for improved adhesion of overlabs.

▶ **Blood product dating:**

- Up to 42 days at 1-6 °C for red blood cells, leukoreduced.
- Up to 5 days at 20-24 °C for platelet concentrates in a CLX storage bag.
- Up to 1 year at < -18 °C for fresh frozen plasma and cryoprecipitate in CLX or standard bag.

#### TESTING

▶ **Crossmatch segments:** 16.

▶ **QC sampling:** Longer plugged tubing leg on the collection bag.

### Ordering Information

Leukotrap® RC Systems with RC2D Filter – Case quantity: 18 (3 sets per foil pouch, 6 pouches per case)

Reorder Code	Anticoagulant/Additive	Fill Volume (mL)	Set Configuration *	Satellite Bags
129-92	CP2D/AS-3	500	Double	1 Standard
129-93	CP2D/AS-3	500	Triple	2 CLX
629-93	CP2D/AS-3	500	Triple	2 Standard
129-94	CP2D/AS-3	500	Quad	3 CLX

\* Represents number of functional bags including final red cell storage bag.