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.

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.

Performance Characteristics of the Leukotrap RC System with RC2D Filter under Routine Use Condition*

* Filtration time data represents 466 data points collected from 7 different customer sites under routine use conditions. Percent plasma recovery data were collected under controlled laboratory and routine use conditions.
**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:** 110 mL, AS-3 (Nutricel® System).
- **Filter:** RC2D Leukocyte Reduction Filter.
  - Filter housing hold-up volume - 35 mL.
  - White cell residuals consistently averaging less than 1x10^6; well below industry standards and guidelines.
- **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 overlabels.
- **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 final red cell storage bag.

**Ordering Information**

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

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