As a global leader in blood component, therapeutic apheresis and cellular technologies, we believe in the potential of blood to do even more for patients than it does today. This belief inspires our innovation and strengthens our collaboration with customers.

Working With You
Every interaction we have with you is important. By fostering open and ongoing relationships, we bring more value to you and the patients we are all focused on serving. Even after the technology is in place, we continue to serve you with:

- Education and training
- Technical support
- Clinical and scientific support
- Customer support
- User groups and professional networks

IDL Tubing Set Catalog Number 12320

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<th>Extracorporeal volume (typical)</th>
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White Blood Cell Depletion
White Blood Cell Reduction for Patients With Leukocytosis at Risk of Leukostasis

Together with our customers we are advancing apheresis.

Spectra Optia® Apheresis System
**PROCEDURE AND SYSTEM HIGHLIGHTS**

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<td><strong>Procedural flexibility</strong></td>
<td>Versatile software is designed for a wide range of device interaction preferences and operator skill levels</td>
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<td><strong>Consistent results</strong></td>
<td>The automated interface management (AIM) system is designed to produce consistent results through interface stability</td>
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<td><strong>Integrated fluid balance management</strong></td>
<td>Fluid balance can be targeted and is monitored automatically without the need to perform manual calculations</td>
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<td><strong>Intuitive touch-screen graphical user interface</strong></td>
<td>Provides instructions at each step of the procedure, which is ideal for infrequently performed procedures</td>
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| **Procedural automation**                     | Automatically calculates the collect pump flow rate based on the patient’s white blood cell (WBC) count  
|                                               | Allows you to spend more time with patients |
| **Automatic recovery**                        | Maintains your targeted collection preference during flow rate interruptions  
|                                               | Recovers from power failures at the point where the power failed |

**Bringing You Choice and Precision**

By giving you control over collection preference, packing factor and collect pump flow rate, the Spectra Optia system gives you the flexibility you need to optimize each white blood cell depletion (WBCD) procedure.

In the United States, WBCD on the Spectra Optia system is indicated for white blood cell reduction for patients with leukocytosis who are at risk of leukostasis.
How It Works

The Performance You Expect

The automated interface management (AIM) system provides continuous interface monitoring, interpretation and adjustment for an efficient WBCD.

- Monitors the collect port and interface position up to 25 times per second with a resolution of approximately 10 microns
- Interprets interface information using a patented optical detection system
- Adjusts the pumps and valves to manage the interface position and efficiently remove WBCs

Continuous Processing

WHOLE BLOOD ENTERS THE CHANNEL
- Low packing factor and channel design allow for the separation of WBCs

INTERFACE IS ESTABLISHED
- AIM system quickly establishes the interface at the collect port
- Buffy coat accumulates
- AIM system detects the presence of cells in the collect port and automatically adjusts the plasma pump flow rate to optimize the collection

RED BLOOD CELLS (RBCs) AND PLASMA ARE PUMPED BACK TO THE PATIENT

TARGETED CELLS ARE CONTINUOUSLY PUMPED INTO THE COLLECTION BAG
- You may monitor and adjust the depth at which the cells are collected within the buffy coat layer based on the desired hematocrit of the collected product