The LR Express
The first direct line to leukocytes reduced platelets

ALL ABOARD for the first in-line, single-filter system that yields leukocytes reduced (LR) whole blood for the production of red blood cells (RBCs), platelets, and plasma.
Finally, an uncomplicated in-line system that is in line with your component production needs

IMUFLEX® WB-SP provides a system for blood collection, filtration, and component production. This simple, all-in-one system, with its single, saving-platelets filter, allows for the production of 3 leukocytes reduced components:

- AS-5 Red Blood Cells
- Platelets
- Plasma

IMUFLEX® WB-SP features a unique in-line, saving-platelets filter that provides a simple way to meet the demand for a leukocytes reduced platelet concentrate—from whole blood.

**Designed for performance**

Unique WB-SP saving-platelets filter yields consistently high platelet counts.

**Primary bag**

**Satellite bag**
- (XT-612® Platelet storage bag)
- (with OPTISOL® solution for 42-day RBC storage)

**Triple-bag set for component processing**

**500 mL Whole Blood Collection bag**
- with CPD anticoagulant

**DonorCare® Needle Guard**
- for added protection

**Ultra thin-wall needle**
- minimizes donor discomfort

**Pre-attached luer adapter and tube holder**

**Diversion Blood Sampling Arm®**
- may reduce skin-associated contaminants from entering the collection bag

**CLIKTIP® effortless in-line closure device**

**IMUFLEX® WB-SP**

BLOOD BAG SYSTEM

The LR Express
The IMUFLEX® WB-SP filter provides the ability to process leukocytes reduced platelets without adding any unnecessary steps to your standard operating procedures. The system’s single filter keeps things simple.

**Saving platelets has never been easier**

**Simple to learn**
Learning to use IMUFLEX WB-SP is easy. The postfiltration set is the same as a standard triple-bag, and it follows the usual component postcollection process. The only difference is the use of the single saving-platelets filter to perform leukocyte reduction.

**Simple economics**
IMUFLEX WB-SP represents more than a simpler means of producing leukocytes reduced platelets. It offers time- and cost-saving benefits in a number of critical areas.

**From portability comes opportunity**
The simple single-filtration process means that you can filter collected whole blood at the collection site, if desired.

**The possibility of one-step quality-control testing**
IMUFLEX WB-SP may allow you to quality-control test the filtered whole blood for leukocyte reduction, instead of testing each component after separation.

**Simple to implement**
Using IMUFLEX WB-SP requires minimal training, and its use will quickly become routine.

- Hang Collection bag and extend filtration set to 33.5 in ±1 in.
- Break CLIKTIP® at Collection bag outlet to start filtration.
- Centrifuge LR whole blood to separate RBCs from platelet-rich plasma (PRP).
- Transfer PRP into Platelet bag and drain OPTISOL® into RBCs.
- Separate Primary bag from other bags.
- Centrifuge PRP to separate platelet concentrate (PC) from platelet-poor plasma (PPP).
- Transfer PPP to empty OPTISOL bag.
### Clinical studies demonstrate system efficacy

Clinical studies show the efficacy of the IMUFLEX® WB-SP filter in the leukocyte reduction of whole blood for component production.1

**IMUFLEX WB-SP meets or exceeds requirements for**

- Residual white blood cells (WBC)
- Platelet (PLT) count
- Volume recovery of red blood cells (RBC)
- Platelet pH

#### MEASUREMENT

<table>
<thead>
<tr>
<th>MEASUREMENT</th>
<th>STUDY (Mean ± Standard Deviation)</th>
<th>STUDY A</th>
<th>STUDY B</th>
<th>STUDY C</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>ACCEPTANCE</td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>Whole Blood</td>
<td>CRITERIA</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>▪ n = 56</td>
<td>91% ± 3%</td>
<td>90% ± 3%</td>
<td>89% ± 3%</td>
</tr>
<tr>
<td>RBC Mass (Hematocrit) Recovery</td>
<td>▪ n = 22</td>
<td>&lt; 1.62 ± 1.08 x 10⁴</td>
<td>&lt; 3.78 ± 1.17 x 10¹</td>
<td>&lt; 5.24 ± 2.98 x 10¹</td>
</tr>
<tr>
<td>Residual WBC</td>
<td>▪ n = 37</td>
<td>85%</td>
<td>92% ± 3%</td>
<td>89% ± 3%</td>
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<tr>
<td></td>
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<tr>
<td>AS-5 Red Blood Cells</td>
<td>▪ n = 0</td>
<td>5.0 x 10⁸ cells/unit</td>
<td>2.94 ± 1.84 x 10⁴</td>
<td>3.02 ± 1.11 x 10⁴</td>
</tr>
<tr>
<td>Residual WBC</td>
<td>▪ n = 22</td>
<td>Not Tested</td>
<td>2.94 ± 1.84 x 10⁴</td>
<td>3.02 ± 1.11 x 10⁴</td>
</tr>
<tr>
<td></td>
<td>▪ n = 37</td>
<td>5.0 x 10⁸ cells/unit</td>
<td>2.94 ± 1.84 x 10⁴</td>
<td>3.02 ± 1.11 x 10⁴</td>
</tr>
<tr>
<td>Platelet</td>
<td>▪ n = 49</td>
<td>8.07 ± 2.25 x 10¹³</td>
<td>7.31 ± 2.04 x 10¹³</td>
<td>8.90 ± 1.74 x 10¹³</td>
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<tr>
<td>PLT Count (at Day 1)</td>
<td>▪ n = 20</td>
<td>8.3 x 10¹⁸ cells/unit</td>
<td>5.73 ± 2.53 x 10¹⁰</td>
<td>5.10 ± 1.75 x 10¹⁰</td>
</tr>
<tr>
<td>WBC Content (Day 1)</td>
<td>▪ n = 37</td>
<td>6.2</td>
<td>7.26 ± 0.24</td>
<td>7.19 ± 0.31</td>
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<tr>
<td>pH (at Day 5/6)</td>
<td></td>
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</table>

**Reference:** 1. Data on file at Terumo Medical Corporation. Somerset, NJ.

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**Ongoing support helps ensure efficient system integration**

With Terumo, the integration of IMUFLEX WB-SP into your current operation is simple and seamless. Experienced and knowledgeable representatives will deliver the highest level of service—the kind of exceptional customer care that has become a Terumo hallmark.

**Terumo Transfusion Products: Performance and Integrity**

Terumo customers demand products that perform as promised and a partner that stands behind them. We make it our business to meet those demands with every new product and every customer interaction. IMUFLEX WB-SP is evidence of that commitment, and of the integrity that’s included in everything we do.
With its unique in-line filter for saving platelets, IMUFLEX WB-SP is the first single-filter blood bag system that enables the production of a platelet concentrate, in addition to RBCs and plasma, from leukocytes reduced whole blood.

**IMUFLEX WB-SP Blood Bag System**

<table>
<thead>
<tr>
<th>Product Code</th>
<th>Packaging</th>
<th>Minimum Order</th>
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</thead>
<tbody>
<tr>
<td>1BB*LGQ506A6</td>
<td>Individual blister pack, 15 units per case</td>
<td>1 case (15 units)</td>
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</table>

For more information, contact your Terumo Territory Manager or call 800-283-7866. To place an order, call Customer Service at 800-888-3786 or fax to 800-411-5870.

www.terumomedical.com

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