

1

PLATELET POOR PLASMA

angel
WHOLE BLOOD SEPARATION

2

PLATELET RICH PLASMA

3

RED BLOOD CELLS



WHOLE BLOOD SEPARATION

WITH THE SORIN GROUP ANGEL®, BLOOD SEPARATION HAS MORE POSSIBILITIES AND LESS RESTRICTIONS.

Introducing the Angel Whole Blood Separation System from Sorin Group. A highly engineered, compact system created to meet the broader demands of patients, clinicians and constantly evolving therapies. Today, many platelet concentrate systems are rigid in how much whole blood they are able to process, the quantity of platelet rich plasma produced and how the clinician is able to operate the device. With Sorin Group's Angel, whole blood separation has taken a dramatic step into the future of blood separation technology.

VARIABLE VOLUME DISPOSABLE

Different procedures require different volumes of platelet rich plasma (PRP). The Angel Whole Blood Separation System utilizes a variable volume separation chamber, which enables the clinician to determine how much whole blood they need to process. The variable volume disposable ranges from 40ml to 180ml with a 10% volume target yield for PRP. The Angel has a tight processing time range which is approximately 15 minutes for 40ml and 28 minutes for 180 ml of blood. No other tabletop system offers this unique combination of functionality and flexibility.



40



60



90



120



150



180

CONSISTENT PERFORMANCE

The Angel Whole Blood Separation System has been designed to produce consistent, reproducible high platelet concentration results. Regardless of the whole blood volume processed, Angel averages a platelet concentration of five times the initial baseline in a PRP volume equivalent to 10% of the whole blood processed. Results may vary depending on blood conditions and processing parameters.

FLEXIBLE SYSTEM

The Angel Whole Blood Separation System has been designed to meet the various needs and different experience levels of clinicians. The Angel allows the clinician to operate in either a fully automatic mode (enter in the blood volume to be processed and press "start") or create their own customized protocols. In addition, clinicians now have a choice of selecting PRP end products: a small volume of red cells with more viable platelets or a clear PRP product containing no red cells at all.

WHAT MAKES IT AN ANGEL

The Angel Whole Blood Separation System incorporates the following technology:

The **TOUCH-SCREEN** user interface makes the system easy to use and allows the clinician to know what they have processed, where they are in the processing cycle, and other pertinent information (creating protocols, protocol options, tally screens, etc.)

PLATELET SENSOR technology efficiently separates blood components and optimizes the harvest of platelets in a small volume of plasma.

PRE-ASSEMBLED disposables not only offer convenience and safety, but also make the system easy to set up, and operate.

EXTERNAL PRINTER CAPABILITIES are designed to capture patient record.

The Angel **WHOLE BLOOD SEPARATION SYSTEM**. Flexible. Faster. Technologically advanced. Angel, a blood separation system like no other.

ANGEL ON THE MOVE

Because of its functionally aesthetic compact design, the Angel Whole Blood Separation System is easy to move from one clinical setting to another, making it ideal for a number of clinical applications.



angel

WHOLE BLOOD SEPARATION



Catalog Numbers

976 000 100	Angel Whole Blood Separation System, US Version	1/case
976 000 501	Angel Whole Blood Separation Processing Set	8/case
976 000 502	Blood Access Kit	8/case

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Caution: Federal law (USA) restricts this device to sale by or on the order of a physician.



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