

CENTRIFUGE(SW- 400)

- 4,000RPM, 2,790XG
- Max 300ml tube (50mlX6tubes)
- Microprocessor Control

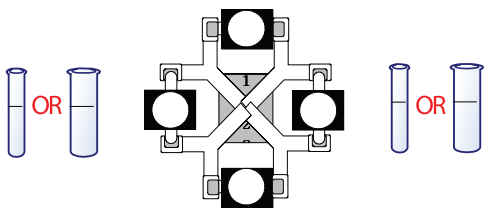


SPECIFICATION

SW-400

Max. Speed	4,000rpm (Angle Rotor / Swing Rotor)
Max. Force	2,790 X g (Swing rotor) , 2,415 X g (Angle rotor)
Max. Capacity	300ml (50ml X6 tubes (Swing rotor)
Standard Rotor	Angle Rotor(V1512AL), Bucket(25ml X 4 Tubes (Y1512))
Main Controller	Microprocessor
Display	7-Segment Numeric Display
Program	9 Memory
Timer	99 min, & Hold Run
Cooling Device	Air cooling
Add Function (Option)	Chamber heating device 200W
Dimension (Out)	390 X 470 X 290(H)mm
Drive System	Inverter Motor
Safety Devices	Over / Under speed Protector, Overload Protector
Power Supply	220V, 50Hz
Weight	20kg

BUCKET



Capacity (ml)	25 ml
Ø X L mm Dimensions	32 Ø X 135 mm
Number p. Rotor	4

SW-PRP

Autologous Platelet Rich Plasma Kit



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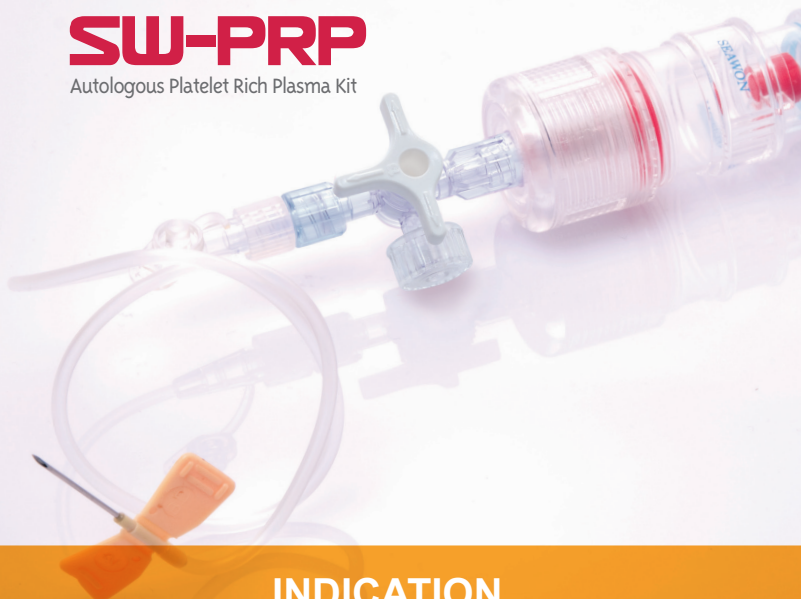
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SW-PRP

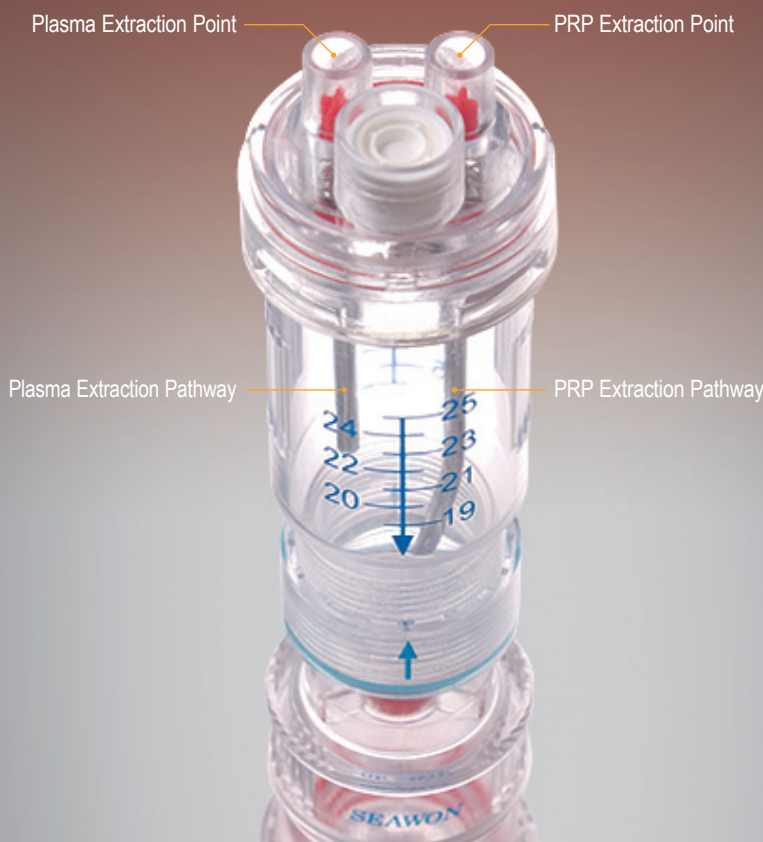
Autologous Platelet Rich Plasma Kit



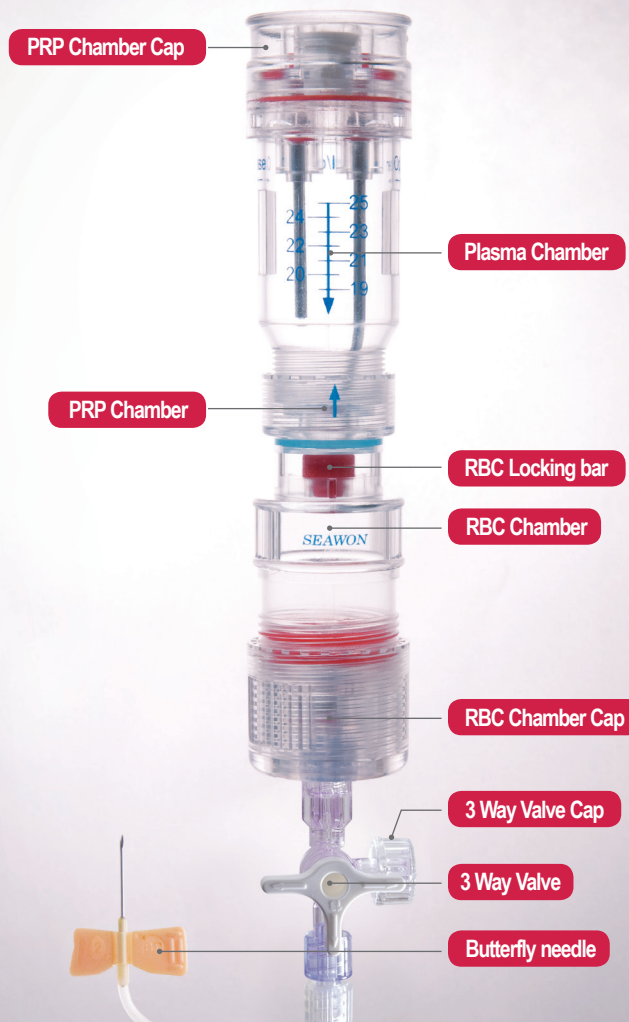
INDICATION

SW-PRP is a medical device which is made for collecting and separating PRP (Platelet-Rich Plasma) from blood. SW-PRP is composed of a container, hose-assembly and is able to use with centrifuge, 20ml syringe.

It is used for the safe and rapid preparation of autologous platelet-rich-plasma (PRP) from a small of blood at the patient's point of care.



STRUCTURE OF SW-PRP



SW-PRP – BLOOD CELL YIELDS

Group	Baseline Platelet Count x 10 ³ /mL(20ml)	Platelet Concentrate x 10 ³ /mL(2ml)	Concentration Levels (xBaseline)
Male	242	1337.25	5.52x
Female	223	1225	5.49x

DIRECTIONS FOR USE

01

Inject 3ml ACD-A into the Syringe

02

Take the cap out from the 3 way valve and it should be kept to cover the bottom of RBC Chamber

03

Extract the blood into the syringe (Please follow the 3 way valve direction Presented on the above image.)

04

Mix the blood with ACD-A in the Syringe

05

Inject the blood in the syringe to the device (Please follow the 3 way valve direction Presented on the above image.)

Remarks

Prepare 3ml ACD-A and 30ml Syringe from the relevant suppliers.

06

Push the cap to the bottom of RBC chamber to cover.

07

Centrifuge the SW-PRP under 3,850RPM at the first time during 7 minutes.

08

Turn the Blood Cell chamber cap to adjust RBC level till the blue line

09

Close RBC locking bar

10

Centrifuge the SW-PRP under 3,850RPM at the second time during 8 minutes.

Remarks

The above is recommended to collect "Therapeutic PRP" which is more or less 5 times concentrated than the platelet in the whole blood.

11

Extract plasma at the plasma extraction point

12

Extract PRP at the PRP extraction point

08

Turn the Blood Cell chamber cap to adjust RBC level below the blue line

09

Close RBC locking bar

10

Extract 4cc PRP at the PRP extraction point. The more PRP extraction, the less concentration.

Remarks

The above is recommended to collect "PRP" which is more or less 2.25times concentrated than the platelet in the whole blood.

ADVANTAGE OF SW-PRP

► ONE TUBE SYSTEM

Most of other PRP devices consist of two tubes to extract PRP. While blood is transferring to the other tube, it may be exposed in the air and contaminated. On the other hand, SW-PRP consists of one tube which is no need for blood to be transferred to other tube.

► ONE STEP PROCESS

It is one step process to inject the extracted blood from a patient to the device

► EASY USE

While most of other PRP devices require syringes with needles to inject the blood into device and extract PRP from the device, SW-PRP does not require a syringe with needles thanks to two built-in path ways for extraction of PRP & Plasma

