

## SPECIFICATION OF CENTRIFUGE FOR SW-PRP

### SW-PRP

Capacity (ml)	20 ml
Ø X L mm Dimensions	29.5 Ø X 135 mm

### BUCKET

Number p.Rotor	4
Ø X L mm Dimensions	OD - 32 ID - 30    Ø X 88 mm~

# SW-PRP

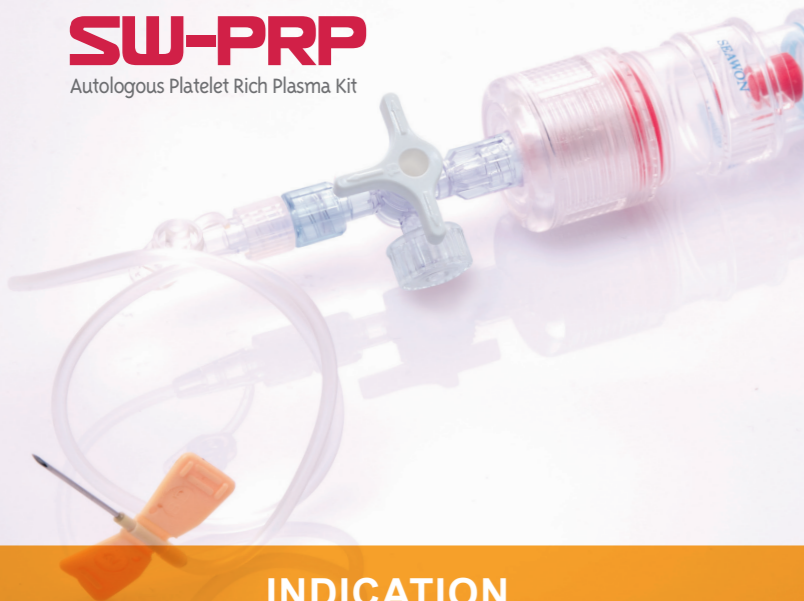
Autologous Platelet Rich Plasma Kit



2025.03.18 (Rev.5)

# SW-PRP

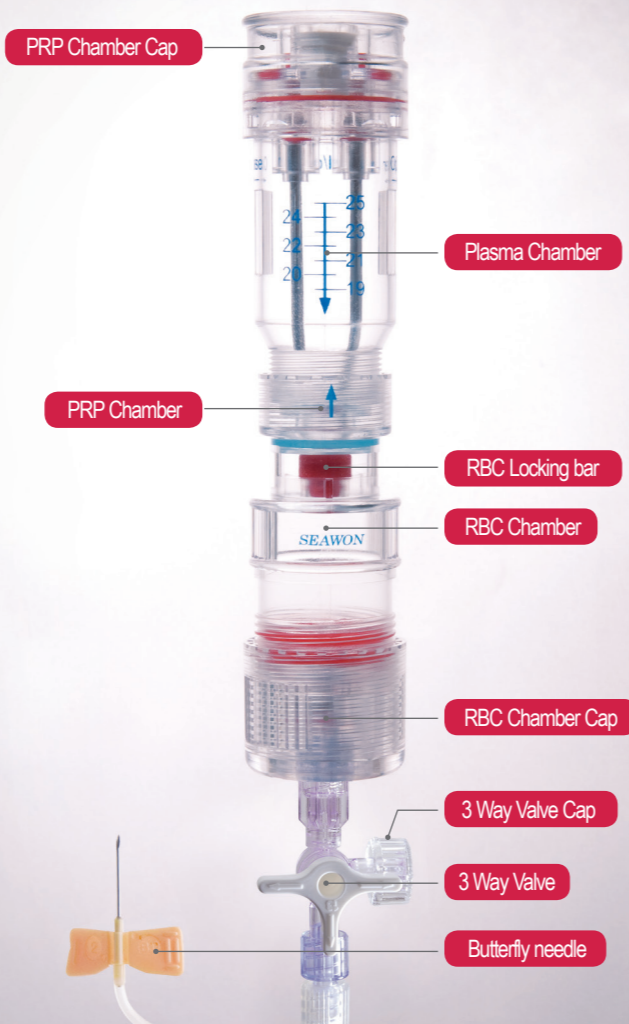
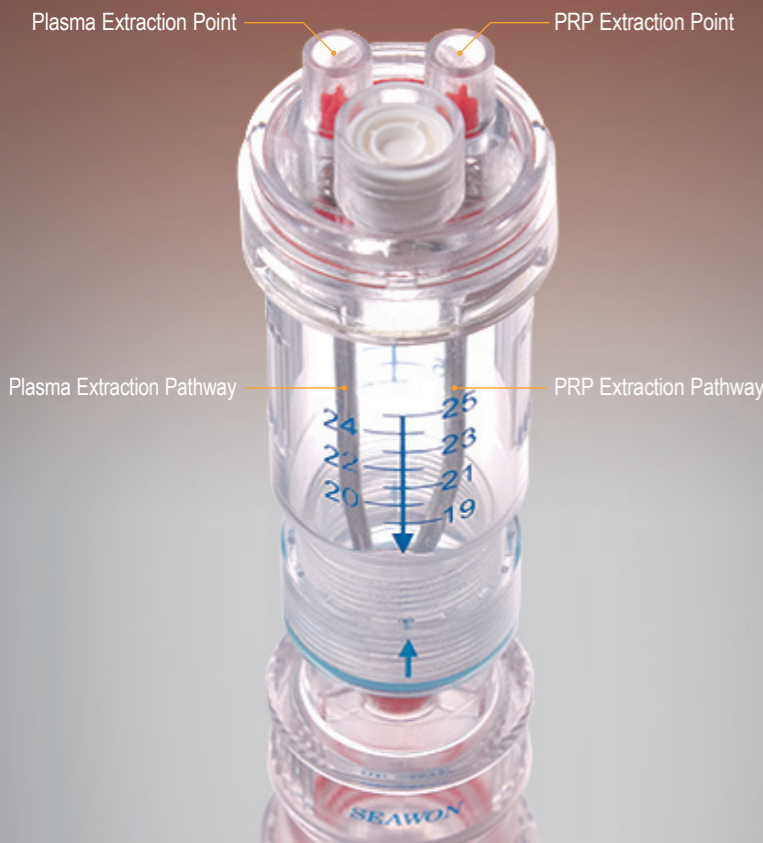
Autologous Platelet Rich Plasma Kit



## 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.

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 <sup>3</sup> /mL(20ml)	Platelet Concentrate x 10 <sup>3</sup> /mL(2ml)	Concentration Levels (xBaseline)
Male	242	1337.25	5.52x
Female	223	1225	5.49x

## ADVANTAGE OF SW-PRP



### Closed structure of one tubing system

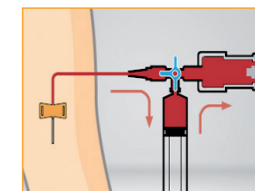
Open system should be exposed to the air during all the process. In case the air in the treatment room is not controlled and within acceptable clean level, there may be the most possibility for the contamination of PRP.

In case of our SW-PRP kit which is the closed system, although the air in the treatment room is not in acceptable clean level, it may be still safe because of no open structure.



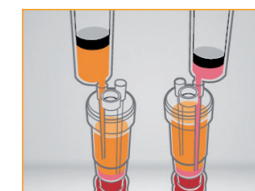
### One step Process

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



### Easy Extraction of the therapeutic PRP

SW-PRP does not require a syringe with needles thanks to two built-in path ways for extraction of PRP & Plasma



## 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 20cc of 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** Slowly Inject the blood in the syringe to the device (Please follow the 3 way valve direction Presented on the above image.)
- 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 RBC chamber cap to adjust RBC level to the blue line
- 09** Close PRP chamber with confirming buffy coat coming into PRP chamber
- 10** Centrifuge the SW-PRP under 3,850RPM at the second time during 4 minutes.
- 11** If buffy coat is below the blue line, turn the RBC chamber cap to adjust RBC level to the blue line again. If buffy coat is at the blue line, do not need to adjust the RBC chamber cap.
- 12** Extract all the PPP through PPP extraction port
- 13** Extract the therapeutic PRP through PRP extraction port.

**Remarks**

**Definition of Therapeutic PRP:**  
Therapeutic PRP should have a baseline of 1,000,000 platelets/ $\mu$ l while Normal Platelet concentration is 200,000 platelets/ $\mu$ l