



One Step Smart Separation Kit

- Innovation & Safe ✓
- Easy to Use & Quick and Convenient ✓
- High Concentration & High Quality ✓
- Consistent Results Training & Support ✓



This product is supplied to the US federal government through Federal Supply Schedule.



Why Dr.PRP device

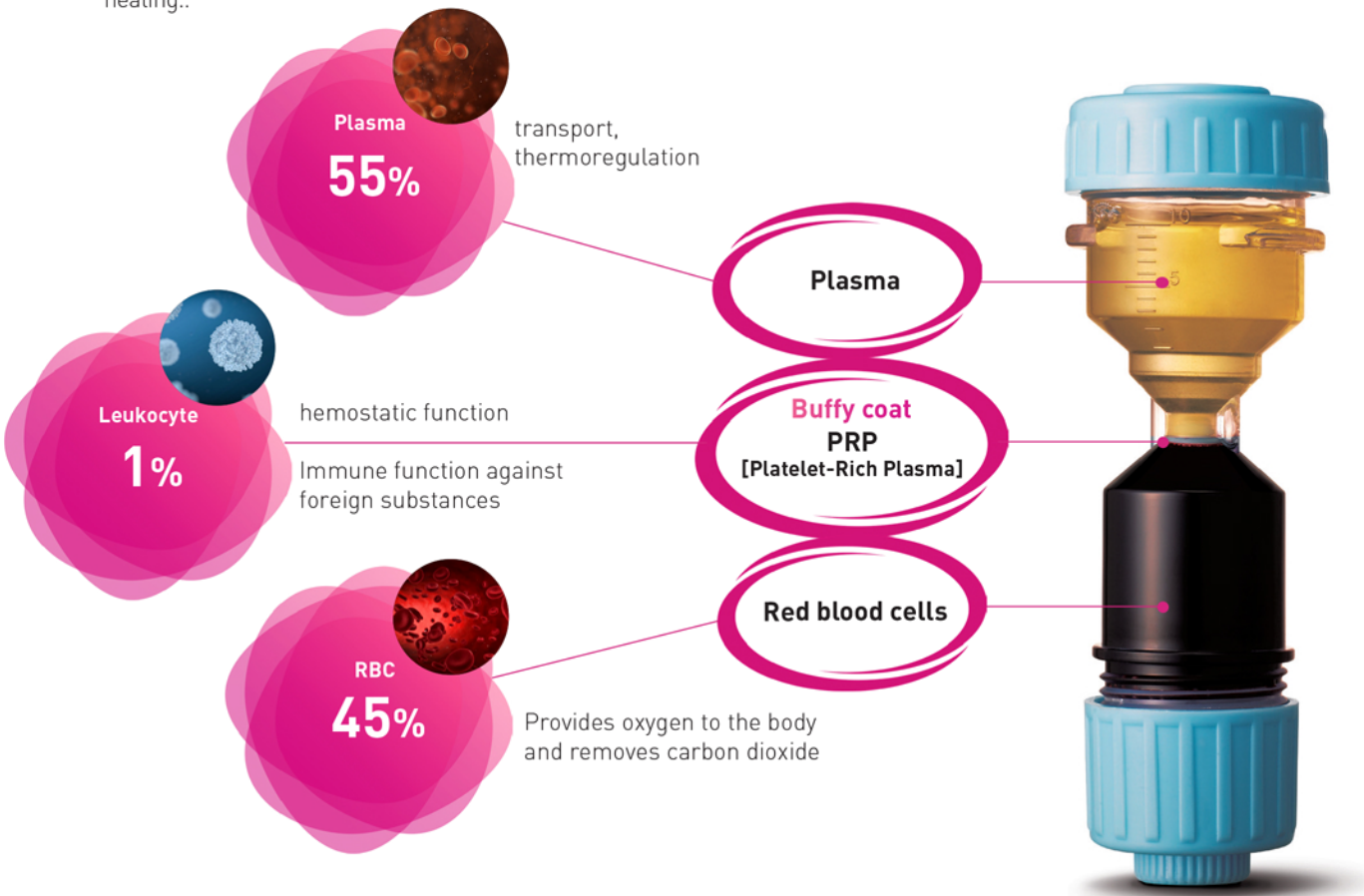
- High quality PRP with high platelet recovery
- Visible buffy coat layer in the narrow neck of the tube
- Customizable final product for different use cases
- Closed system with zero risk of contamination
- Extremely user friendly, one-step system – saves time

Functions of PRP made with Dr.PRP

PRP therapy growing in popularity as “the best practice standard of care”

PRP contains several different growth factors and other cytokines which may elicit the attraction of stem cells around the damaged region stimulating cellular proliferation and tissue regeneration. Since the patient uses his or her own blood for the collection of platelets, there is very low possibility of infection or other side effects.

Dr.PRP is a medical device exclusively designed for PRP separation. Highly concentrated platelets by the Dr.PRP device release large amounts of growth factors which are normally inside the platelets. The large amount of released growth factors induces the regeneration of damaged connective tissue rapidly and robustly. These growth factors may lead stable regeneration of the damaged area by stimulating the cells capable of wound healing..



Dr. PRP's unique differentiated PRP features



Safety

We have built safety and reliability into the DrPRP device by exclusively using biocompatible materials as well as a through gamma-ray sterilization system according to the ISO11137.



One Step - Simplicity

A unique system capable of separation, concentration, and extraction is applied with one smart kit, and the air pollution is minimized with a double safety cap feature.



Speed & Convenience

The Buffy coat layer can be conveniently and easily identified by any user who can separate precisely of high concentrated PRP.



Compatibility

Several swing-out bucket type centrifuges may be compatible with the Dr.PR.P

Composition of Dr.PR.P

Double Silicone lid Top Cover ①

It is an outlet for injecting blood and extracting PRP which is made of double-lid(closed system) silicone material to prevent air contamination.

Upper chamber ③

It is the storage for PRP and PPP

Adjusting Knob Cap ⑤

It separates the two parts, the "Upper Chamber / Low Chamber" and blocks the mixing of Plasma (PRP and PPP) and RBC completely, the top chamber

Bottom Cover ⑦

After the 1st separation, fix the Adjusting Knob Cap and the Adjusting Knob to maintain the separated space between the Upper Chamber and the Low Chamber.

Injection port of Top Lid

Injection port of upper Lid

Ailette- Shoulder wedges ②

Endure centrifugal force for separation

5cc 10cc 15cc Marking ④

Indicates the Plasma Volume of the Upper Chamber

20cc 30cc Marking ⑥

Displays the total volume

Neck of the bottle ⑧

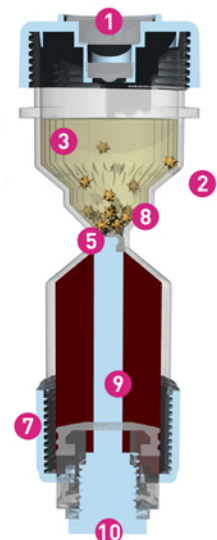
Area where platelets accumulate after 2nd centrifugation

1st Separation lines ⑨

Displays the correct layer of 1st Separation

Adjusting Knob ⑩

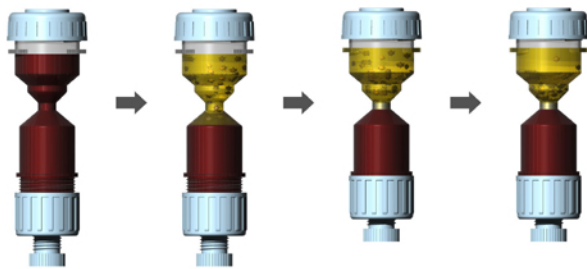
Manipulate the Adjusting Knob Cap to move the separated buffy coat to the Upper Chamber.



VA SIN	Model	Catalogue number	Package	Total Volume
A-18C	Dr.PR.P	88094102000008	10Kits/1Box	20cc
	Dr.PR.P-30	88094102000053	8Kits/1Box	30cc

How to prepare PRP

SEPARATION PROCESS



Whole Blood 17~18cc
+ACD-A 2~3cc
total 20cc

1st Spin

2nd Spin

1st centrifugation separation spin

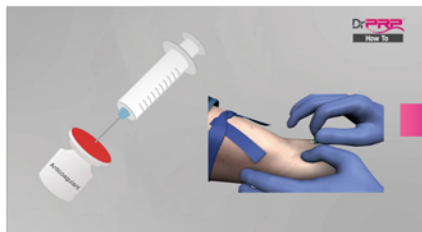
- Plasma and buffy coat separation.
- Plasma : yellowish layer, small amount of platelets
- Buffy coat : leukocytes and platelets
- Red Cell fraction : erythrocytes

* Removal of RBC from whole blood.

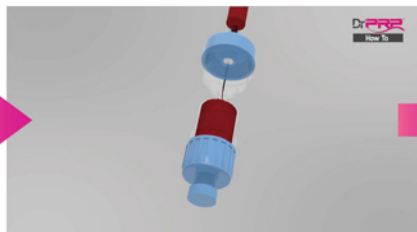
* Separation buffy coat and plasma from RBC.

2nd centrifugation concentration spin

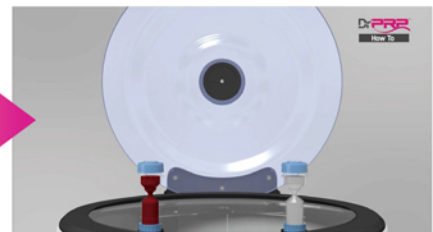
- Extraction of lower plasma fraction and platelets.



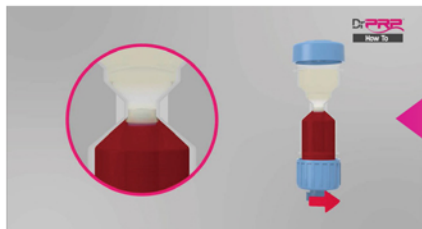
Load Anti-Coagulant / Draw blood



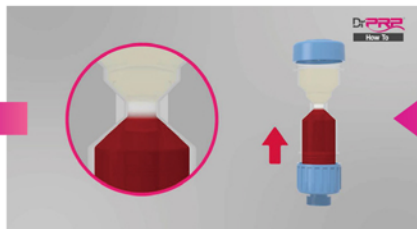
Load the Dr.PRP(or Dr.PRP-30) kit



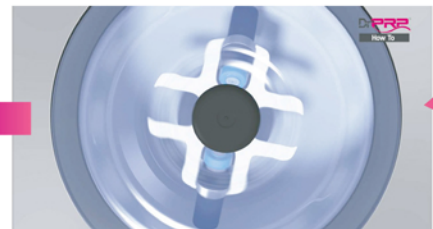
Place it in a centrifuge



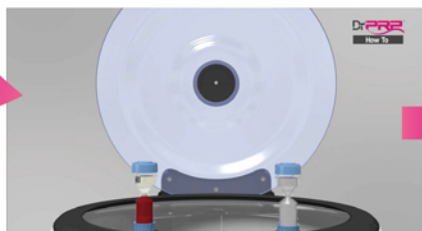
Lock the chambers



Adjust the separation line



Set and start the centrifuge



Centrifuge again

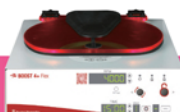


Draw out the PPP



Draw out the PRP

Centrifuges for PRP BOOST 4+ Flex



Max Speed

4,000 RPM 2,950 xg RCF



Max Capacity

4 buckets, 140 g/bucket
1.81" W x 5.12" H (4.59 x 13 cm)

Large Capacity PRP Centrifuge (DRPRP-CENT-004)

Manufacturer **rmedica** Rmedica Co., Ltd

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