



PRP KIT INSTRUCTIONS

1. Preparation

① Supplies



- YCELLBIO Tube
- Blood (13.5cc)
- Anticoagulant (1.5cc)
- 20cc Syringe (1ea)
- 5cc Syringe (1ea)
- 3cc Syringe (1ea)
- 21G Needle or Butterfly
- 18G 1 1/2Needle (2ea)
- Alcohol-soaked cotton
- Forceps

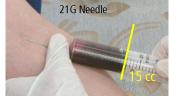
② Syringe coating with anticoagulant



Draw 1.5cc anticoagulant in 20cc syringe and coat inside walls of the syringe .

2. Blood Gathering

(1) Gather Blood





Draw 15cc blood.





• Slowly swing the blood to mix, drawing Mobius Strip (∞) for about 15 sec.



① Check the tube

- Check the tube if there is any problem.
- Change the needle to 18G.

- Put the gathered blood into a tube (keeping a slope of 45°).
- according to a patient's condition.

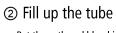
③ Close the cork

• Close the cork with forceps.

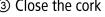
*Blood Volume Guide Lines ① Anemia Patient② Female ③ Male Anemia Patient Female Male 1|5.5nhl **1**5ml **1**4ml

3. Collecting Blood into tube





• Adjust blood level up to *Guide Lines



4. Centrifugation

Angle Type



RPM: 3400~3600 Time: 4 minutes

Swing Type



RPM: 3200 Time: 4 Minutes

RCF: 1888*g

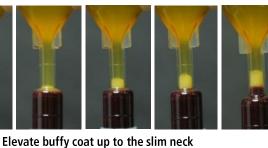
5. PRP Extraction













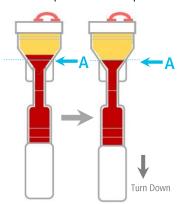
- 1) Open the cap with a piece of alcohol -soaked cotton.
- 2) Adjust RBC level to meet the edge of the needle.
- 3) Slowly spin the needle while extracting PRP (using Tornado System).
- **4)** Extract 1.5cc~2cc PRP into 3cc syringe using
- **5)** Collect 5cc of PPP into 5cc syringe.



***** When is the 2nd centrifugation needed?

Elevated Hematocrit

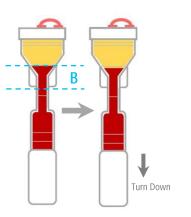
If RBCs remain above the slim neck after the 1st spin, turn down the control grip to Line A and take another 4 min spin with the same speed.





Elevated Hematocrit

If RBCs remain in the range B, lower RBCs a little by one or half down turn of the control grip.





Depressed Hematocrit

If RBCs are depressed lower than the slim neck after the 1st spin, elevate RBCs up to the signed line that is right below line C, and take another 2 min spin with 2200~2400 RPM.

