ALWAYS SWAB SELF-SEALING PORT WITH STERILE ALCOHOL PRIOR TO ACCESSING WITH A STERILE SYRINGE

Step 1:

Using the filtered needle, draw 7mL of Anticoagulant Sodium Citrate into two 60mL syringes

Step 2:

Attach butterfly needle and prime the 12" tube with SCAC, then draw 54mL of whole blood in each syringe from the patient, filling the syringes to 60mL each

Step 3:

REMOVE and DISCARD Red Cap

Load anticoagulated whole blood into the two **Separator Devices**

Step 4:

2.0 min 4.4 rpm

Executive Series: Counterbalance and process the **Concentrating Device** at **2 minutes & 4400 RPM**

Sapphire Series Centrifuge: Set to **PUREPRP 60 SPIN 1**

Platinum Series Centrifuge: Set to **PUREPRP SP SPIN 1**

Step 5:

Gently remove devices from centrifuge and keep vertical. Connect a new 60mL syringe, aspirate the platelet plasma suspension (PPS) from both devices with this syringe
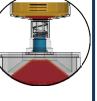

Step 6:

Protocol A: OPTIMAL PLATELET RECOVERY. Aspirate additional 0.5mL of RBC

Protocol B: LEUKOCYTE RICH PURE PRP. Aspirate 1mL of RBC into the syringe

Protocol C: OPTIMAL LEUKOCYTE POOR PRP. Leave ALL RBC in separator device

Step 7:

Transfer all the platelet plasma suspension (PPS) from both devices into the bottom port of the **Concentrating Device**

IMPORTANT!! PLACE CLEAR CAP ON BOTTOM PORT

IMPORTANT!! PLACE CLEAR CAP ON BOTTOM PORT PRIOR TO CENTRIFUGATION

Step 8:

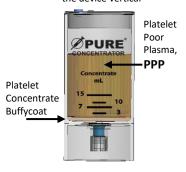**IMPORTANT!! MAKE SURE CLEAR CAPS ARE ON BOTTOM PORTS PRIOR TO CENTRIFUGATION**

4.0 min 4.4 rpm

Executive Series: Counterbalance and process the **Concentrating Device** at **4 minutes & 4400 RPM**

Sapphire Series Centrifuge: Set to **PUREPRP 60 SPIN 2**

Platinum Series Centrifuge: Set to **PUREPRP SP SPIN 2**

Step 9:

Carefully remove sample from the centrifuge keeping the device vertical

Platelet Poor Plasma, **PPP**

Platelet Concentrate Buffycoat

After centrifugation, Platelet concentrate buffycoat separates out at the bottom of the **Concentrator Device**

Step 10:

Attach new 60mL syringe to bottom port

Aspirate platelet poor plasma from the Concentrator Device

Leave 14mL PPP for standard concentration

Or, leave desired total mLs PPP for injection

Or, remove all PPP for A2M processing

Step 11:

Attach the 20mL syringe to bottom port and gently swirl to resuspend the platelet buffycoat into the plasma

Step 12:

Then Tilt to immerse the Aspirating Pipe into the PRP

Pull back on the plunger and aspirate all 14mL PRP

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