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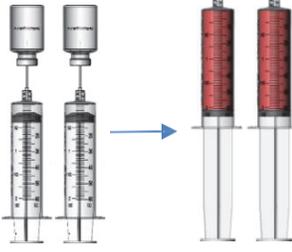
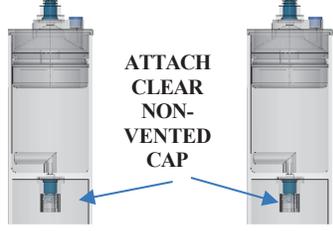
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# EmCyte FC120-SP / 60ml Plasma Protein Concentrating Kit Instructions

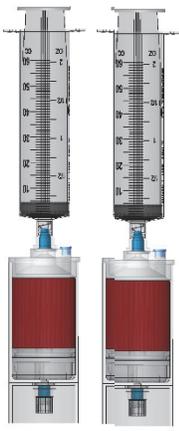
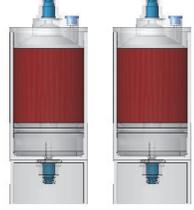
## 120ml PUREPRP® SP PROTEIN RICH PRP ILLUSTRATION

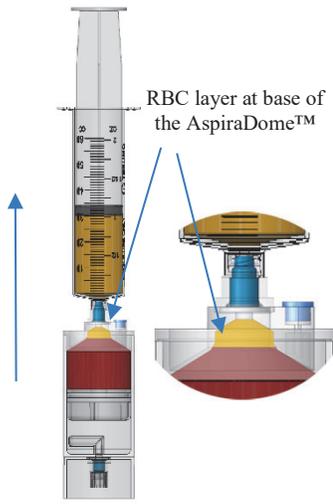
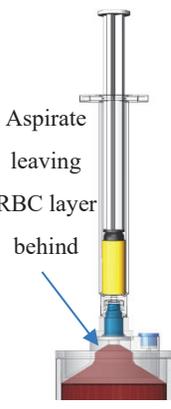
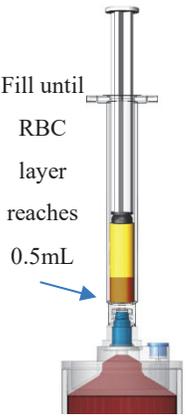
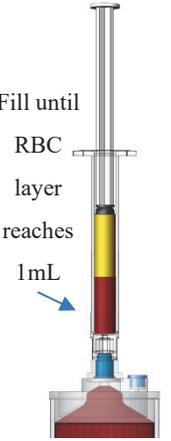
NOTICE: ALWAYS SWAB SELF-SEALING PORT WITH STERILE ALCOHOL PRIOR TO ACCESSING WITH A STERILE

SYRINGE PREPARATION PROTOCOL \*Always swab self-sealing port with sterile alcohol after removing syringe

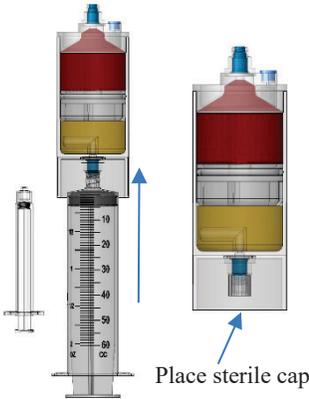
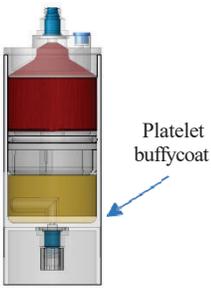
<p><b>STEP 1:</b></p>  <p>Using the filtered needle, draw 8mL of Sodium Citrate Anticoagulant into two (2) 60mL Syringes. Then collect 52mL whole blood filling EACH syringe to 60mL.</p>	<p><b>STEP 2:</b></p>  <p>ATTACH CLEAR NON-VENTED CAP</p> <p>Attach clear non vented cap to the bottom port of EACH device.</p>
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### CONCENTRATING PROTOCOL

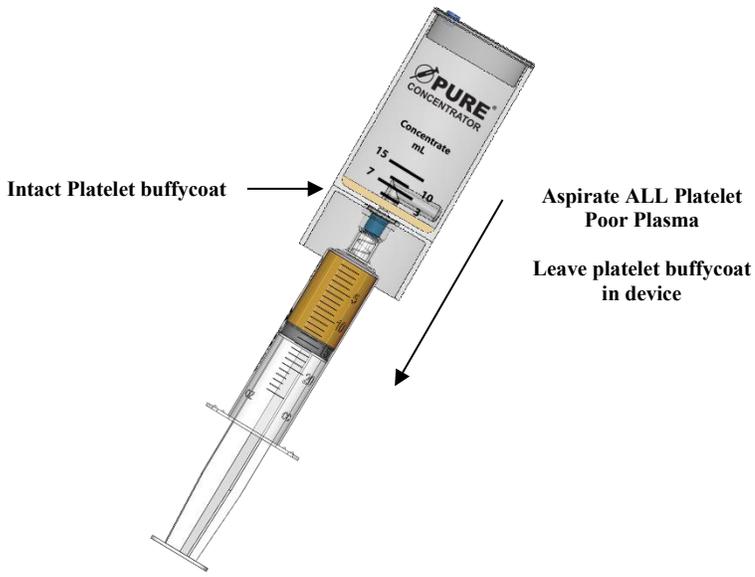
<p><b>STEP 3:</b></p>  <p>Inject anticoagulated whole blood into EACH device through the top needleless port.</p>	<p><b>STEP 4:</b></p>  <p>Counterbalance device with equal volume.</p> <p>*Make sure counterbalance is within <math>\pm 3</math> grams of the Separator Device</p>  <p>Place in the centrifuge rotor at opposite ends.</p>	<p><b>STEP 5:</b></p> <p><b>Sapphire Series Centrifuge:</b> <b>PUREPRP 60 SPIN 1</b></p> <p><b>Platinum Series Centrifuge:</b> <b>PUREPRP SP SPIN 1</b></p> <p><b>Executive Series Centrifuge</b> <b>Set to 2 minutes and 4400</b></p>
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<p><b>STEP 6:</b></p>  <p>RBC layer at base of the Aspiradome™</p> <p>FOR EACH DEVICE, Aspirate the platelet plasma suspension (PPS) into the 60mL syringe, until the RBC interface reaches the bottom of the Aspiradome™</p>	<p><b>LEUKOCYTE POOR</b></p>  <p>Aspirate leaving RBC layer behind.</p> <p>Using a 3mL syringe, slowly aspirate the remaining plasma buffycoat, leaving the RBC layer behind.</p>	<p><b>MONOCYTE RICH</b></p>  <p>Fill until RBC layer reaches 0.5mL.</p> <p>Using a 3mL syringe, slowly aspirate collecting 0.05mL of RBC buffycoat. Fill until RBC layer reaches 0.05mL.</p>	<p><b>NEUTROPHIL RICH</b></p>  <p>Fill until RBC layer reaches 1mL.</p> <p>Using a 3mL syringe, slowly aspirate collecting 1mL of RBC buffycoat. Fill until RBC layer reaches 1mL.</p>
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<p><b>STEP 7:</b></p>  <p>Place sterile cap</p> <p><b>FORE EACH DEVICE.</b> Inject the 3mL syringe buffycoat solution, followed by the platelet plasma suspension (PPS) through bottom port. Then place sterile clear cap.</p>	<p><b>STEP 8:</b></p> <p>Place back in centrifuge rotor at opposite ends.</p> <p>Process at:</p> <p><b>Sapphire Series Centrifuge: PUREPRP 60 SPIN 2</b></p> <p><b>Platinum Series Centrifuge: PUREPRP SP SPIN 2</b></p> <p><b>Executive Series Centrifuge 4 minutes and 4400</b></p>	<p><b>STEP 9:</b></p>  <p>Platelet buffycoat</p> <p>After centrifugation, the platelet buffycoat will be separated at the bottom of EACH device.</p>	
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**STEP 9:**



Intact Platelet buffycoat

Aspirate ALL Platelet Poor Plasma

Leave platelet buffycoat in device

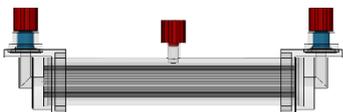
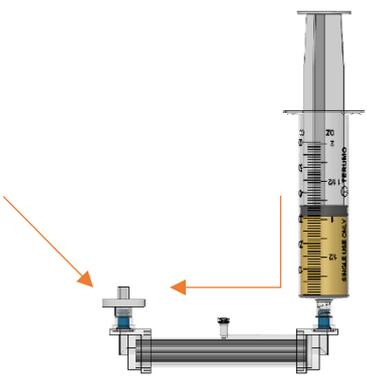
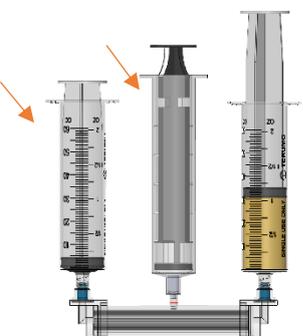
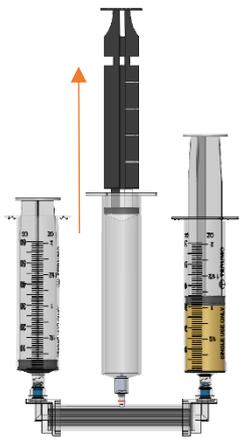
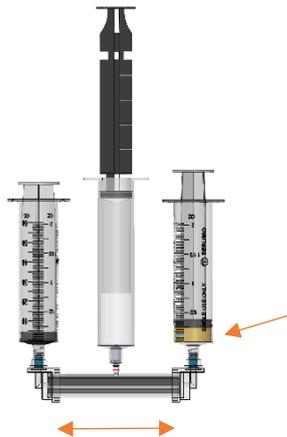
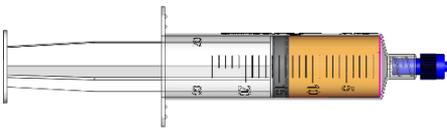
Attach 60mL syringe to bottom port. Aspirate ALL of the platelet poor plasma from the **Concentrator Device**.

Leave the platelet buffycoat intact at the bottom of the device.

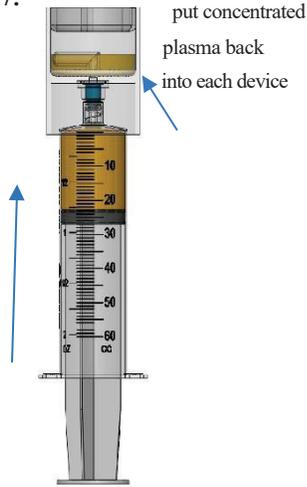
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CORE™ PLASMA ULTRAFILTRATION ILLUSTRATION

PCS-04

<p><b>STEP 11:</b></p>  <p>Remove red vented caps and swab self-sealing ports with alcohol</p>	<p><b>STEP 12:</b></p>  <p>Attach hydrophobic filter to one valve port and the plasma syringe to the other valve port. Then prime the CORE until plasma reaches the filter.</p>
<p><b>STEP 13:</b></p>  <p>Replace hydrophobic filter with 60mL syringe. Attach Vaclock syringe to effluent port.</p>	<p><b>STEP 14:</b></p>  <p>Apply and lock full suction to the Vaclock syringe.</p>
<p><b>STEP 15:</b></p>  <p>Inject plasma back and forth through the CORE into the 60mL syringes until you've reached the desired amount of concentrate volume.</p>	<p><b>STEP 16:</b></p>  <p>Protein Rich Plasma 14mL or desired amount.</p>

**STEP 17:**



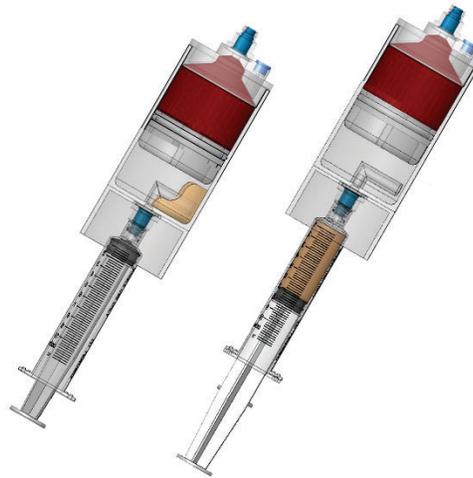
Connect the syringe to the bottom needle-less port of EACH DEVICE and inject the concentrated plasma.

**STEP 18:**



Gently swirl EACH DEVICE to resuspend the platelet buffycoat into the plasma.

**STEP 19:**



Connect the 12mL syringe to the bottom needle-less port of EACH DEVICE and tilt to aspirate the Protein Rich PRP

**STEP 20:**



**Protein Rich PRP 14mL  
(Or desired amount)**

**Platelet Concentrate  
A2M Concentrate  
Fibrinogen Concentrate**