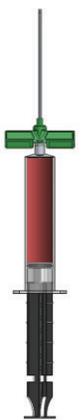
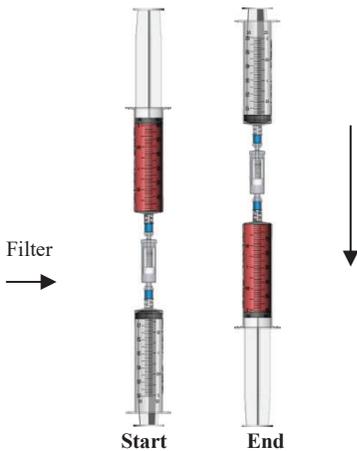


BC30-PURE: IFU ILLUSTRATION

**NOTICES: PLEASE DISCARD RED VENTED CAP FROM CONCENTRATING DEVICE BEFORE USE.
ALWAYS SWAB SELF-SEALING PORT WITH STERILE ALCOHOL PRIOR TO ACCESSING WITH A STERILE SYRINGE.**

PREPARATION PROTOCOL

<p>STEP 1:</p>  <p>USE HEPARIN 1000 units/mL</p> <p>To begin priming, attach the sterile filter needle onto a 30mL syringe. Draw 15mL of Heparin Anticoagulant.</p>	<p>STEP 2:</p>  <p>Then prime the bone marrow aspirating cannula by injecting 5mL of heparin through it</p>	<p>STEP 3:</p>  <p>Attach to the OUT port of the bone marrow filter. Fill to prime and then aspirate back into the syringe</p>	<p>STEP 4:</p>  <p>Then discard the residual heparin leaving 3mL in the VACLOK syringe</p>
<p>STEP 5:</p>  <p>Slowly draw 27mL of bone marrow aspirate, filling the syringe to 30mL. Mix the BMA and heparin upon collection to prevent coagulation.</p>	<p>STEP 6:</p>  <p>Connect a 30mL syringe to the OUT port of the bone marrow filter. Connect the VACLOK bone marrow syringe to the IN port of the filter. Inject the BMA through the filter into the 30mL syringe.</p>		

CONCENTRATING PROTOCOL

Step 1:



Load anticoagulated bone marrow aspirate into the **Separator Device**

Step 2:

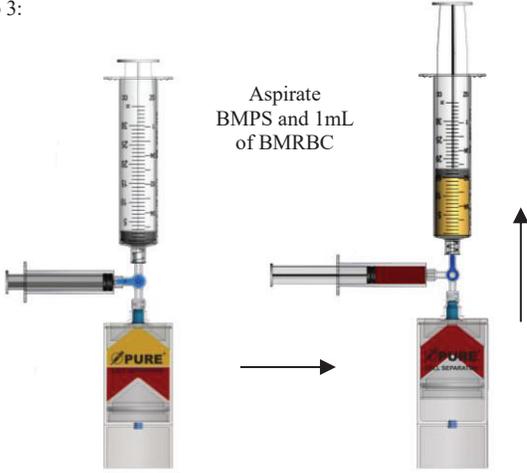
Counterbalance with equal volume and place at opposite ends in the centrifuge rotor.

Sapphire Series Centrifuge:
Set to **PUREBMC 30 SPIN 1**

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

Executive Series Centrifuge
Set to **2.5 minutes and 4400 RPM**

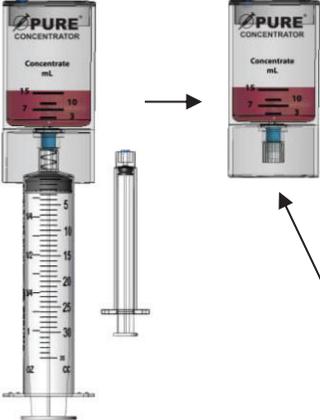
Step 3:



Aspirate Bmps and 1mL of BMRBC

Slowly aspirate bone marrow plasma suspension (**BMPS**) into the 30mL syringe. Then open the stopcock to the 3mL syringe and aspirate 1mL of bone marrow red blood cells (**BMRBC**).

Step 4:



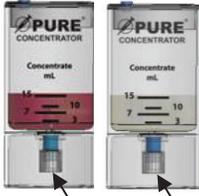
Inject Bmps and 1mL of BMRBC

IMPORTANT!!
PLACE CLEAR CAP ON BOTTOM PORT

Transfer the Bmps and 1mL BMRBC into the **Concentrator Device** through the bottom port. Inject the 1mL BMRBC first then the Bmps

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

Step 5:



IMPORTANT!! MAKE SURE CLEAR CAP IS PLACED ON BOTTOM PORT PRIOR TO CENTRIFUGATION!!!

Counterbalance with equal volume then place directly opposite to each other in the centrifuge rotor buckets.

Sapphire Series Centrifuge:
Set to **PUREBMC 30 SPIN 2**

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

Executive Series Centrifuge
Set to **5 minutes and 4400**

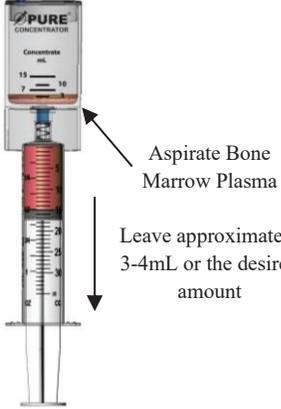
Step 6:



Bone Marrow Cell Concentrate

After centrifugation
The bone marrow cell concentrate separates out at the bottom of the **Concentrator Device**

Step 7:



Aspirate Bone Marrow Plasma

Leave approximately 3-4mL or the desired amount

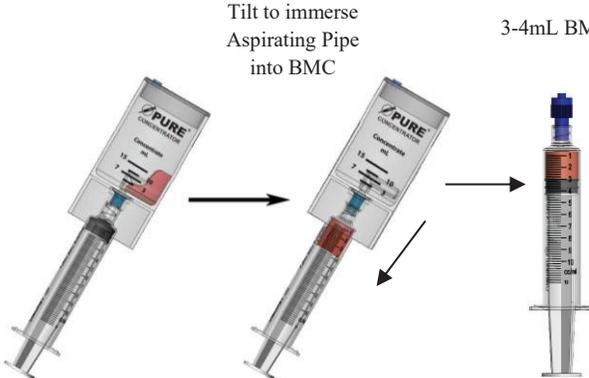
Attach 30mL syringe to bottom port. Aspirate bone marrow plasma from the **Concentrator Device**. Leave 3-4mL or the desired amount.

Step 8:



Attach the 12mL syringe to bottom port and gently swirl to resuspend the bone marrow cell concentrate into the plasma.

Step 9:



Tilt to immerse Aspirating Pipe into BMC

3-4mL BMC

Tilt to immerse the aspirating pipe into the bone marrow concentrate. Then attach the 12mL syringe to bottom port and aspirate the BMC.