

BC120-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

STEP 1:



Attach the sterile filter needle onto the first VACLOK 60mL syringe. Then draw 15mL of Heparin Anticoagulant

(1000 units/mL)

STEP 2:



Then prime the bone marrow aspirating cannula by injecting 5mL of heparin through it

STEP 3:



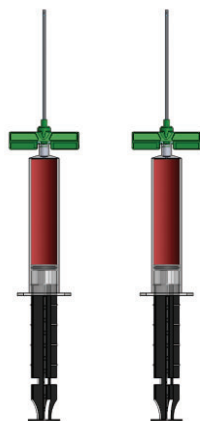
Attach to the OUT port of the bone marrow filter. Fill to prime and then aspirate back into the syringe

STEP 4:



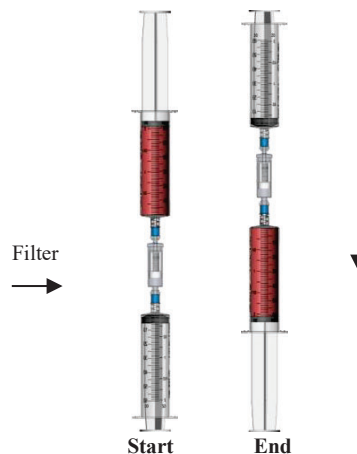
Then discard the residual heparin leaving 5mL in the first VACLOK syringe. Then draw 5mL of heparin into the second VACLOK syringe

STEP 5:



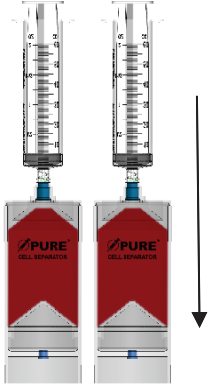
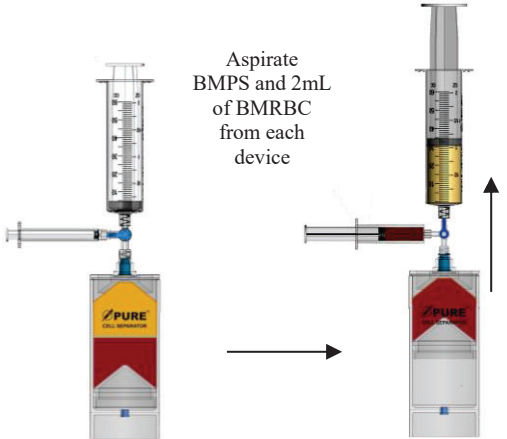
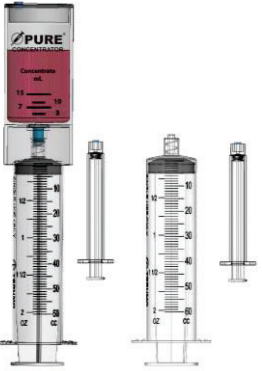


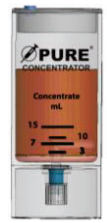
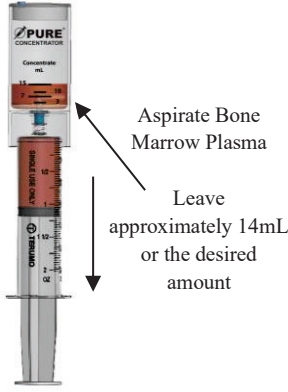

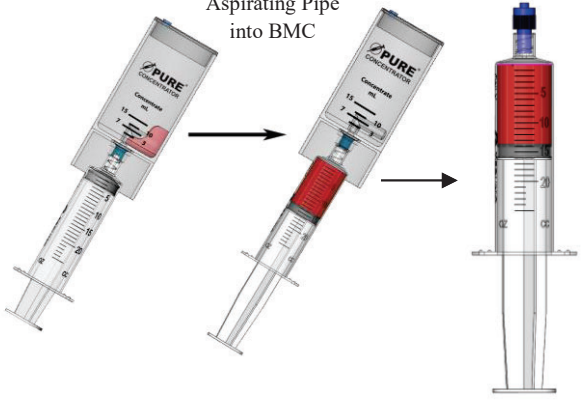
Slowly draw 55mL of bone marrow aspirate, filling each syringe to 60mL. Mix the BMA and heparin upon collection to prevent coagulation.

STEP 6:



For each BMA syringe/filter: Connect a 60mL 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 60mL syringe.

CONCENTRATING PROTOCOL

<p>Step 1:</p>  <p>Load anticoagulated bone marrow aspirate into each Separator Device</p>	<p>Step 2:</p> <p>Counterbalance with equal volume and place at opposite ends in the centrifuge rotor.</p> <p>Sapphire Series Centrifuge: Set to PUREBMC 60 SPIN 1</p> <p>Platinum Series Centrifuge: Set to PUREBMC SP SPIN 1</p> <p>Executive Series Centrifuge Set to 3.5 minutes and 4400 RPM</p>	<p>Step 3: FOR EACH DEVICE DO THE FOLLOWING</p>  <p>Aspirate BMPS and 2mL of BMRBC from each device</p> <p>Slowly aspirate bone marrow plasma suspension (BMPS) into the 60mL syringe. Then open the stopcock to the 3mL syringe and aspirate 2mL of bone marrow red blood cells (BMRBC).</p>
<p>Step 4:</p>  <p>Inject all of the BMPS and BMRBC into the single Concentrator Device</p> <p>Transfer all of the BMPS and BMRBC from both Separator Devices into the single Concentrator Device through the bottom port. Inject the BMRBC first then the BMPS</p> <p>PLACE CLEAR CAP ON BOTTOM PORT PRIOR TO CENTRIFUGATION!!!</p>	 <p>IMPORTANT!!</p> <p>PLACE CLEAR CAP ON BOTTOM PORT</p>	<p>Step 5:</p>  <p>IMPORTANT!! MAKE SURE CLEAR CAP IS PLACED ON BOTTOM PORT PRIOR TO CENTRIFUGATION!!!</p> <p>Counterbalance with equal volume then place directly opposite to each other in the centrifuge rotor buckets.</p> <p>Sapphire Series Centrifuge: Set to PUREBMC 60 SPIN 2</p> <p>Platinum Series Centrifuge: Set to PUREBMC SP SPIN 2</p> <p>Executive Series Centrifuge Set to 6 minutes and 4400</p> <p>Step 6:</p>  <p>Bone Marrow Cell Concentrate</p> <p>After centrifugation</p> <p>The bone marrow cell concentrate separates out at the bottom of the Concentrator Device</p>
<p>Step 7:</p>  <p>Aspirate Bone Marrow Plasma</p> <p>Leave approximately 14mL or the desired amount</p> <p>Attach 60mL syringe to bottom port. Aspirate bone marrow plasma from the Concentrator Device. Leave 14mL or the desired amount.</p>	<p>Step 8:</p>  <p>Gently swirl to resuspend the bone marrow cell concentrate into the plasma.</p>	<p>Step 9:</p>  <p>Tilt to immerse Aspirating Pipe into BMC</p> <p>14mL BMC</p> <p>Tilt to immerse the aspirating pipe into the bone marrow concentrate. Then attach the 20mL syringe to bottom port and aspirate the BMC.</p>