

BC60-SP: PureBMC® SupraPhysiologic Concentrating System

IMPORTANT NOTICES

Always swab needle-less port with sterile alcohol before accessing with a sterile syringe or cap

Discard RED vented cap from concentrating device before use

PRIMING PROTOCOL

Step 1:



Draw 15mL of Heparin 1000 units/mL in a 60mL syringe.

Step 2:



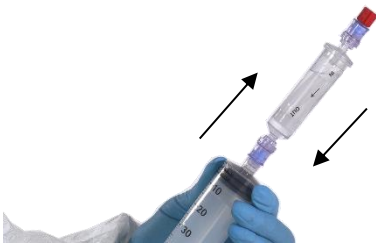
Remove the stylet and prime the ASPIRE Introducer Needle with the Heparin syringe. Then re-insert the stylet.

Step 3:



Prime the ASPIRE Harvesting Needle with the Heparin syringe.

Step 4:



Connect the Heparin syringe to the OUT port of the filter and prime by injecting and removing heparin.

Step 5:



Connect the Female-Female connector to the Heparin syringe.

Step 6:



Connect five (5) 12mL syringes to the other end of the Female-Female connector and prime by injecting and removing Heparin.

Step 7:



Leave 5mL of Heparin in the syringe, or you may use 5mL citrate anticoagulant after priming with heparin.

Step 8:



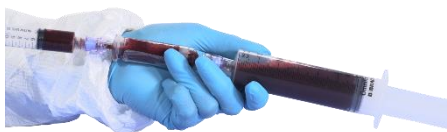
Collect 11mL of bone marrow aspirate in each 12mL syringe. Collecting a total of 55mL of bone marrow aspirate.

Step 9:



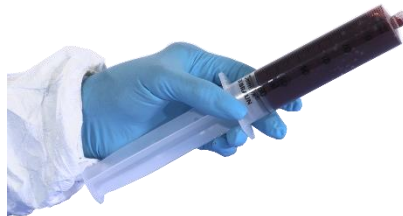
Connect the syringe (containing 5mL of anticoagulant) to the OUT port of the BMA filter.

Step 10:



Transfer the five (5) syringes, each containing 11mL bone marrow aspirate, into the 60mL anticoagulant syringe, filling the syringe to 60mL

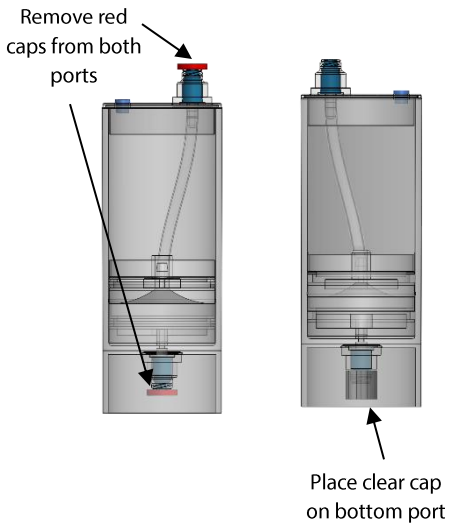
Step 11:



The bone marrow aspirate is now properly anticoagulated and filtered, and prepared for processing.

PROCESSING PROTOCOLS

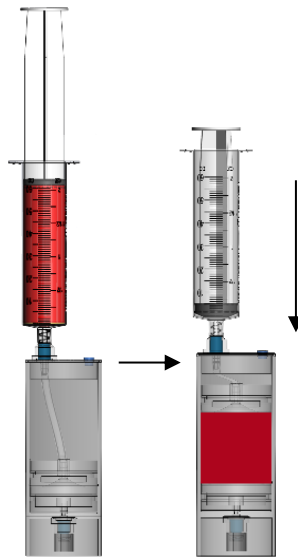
Step 1:



IMPORTANT!

Remove the red caps from both top and bottom ports, then add the clear cap to the bottom needle-less port.

Step 2:



Inject anticoagulated filtered bone marrow aspirate through the top needle-less port

Step 3:



Using the counterbalance device, counterbalance with equal volume



Place in the centrifuge rotor at opposite ends

Step 4:

Process at:

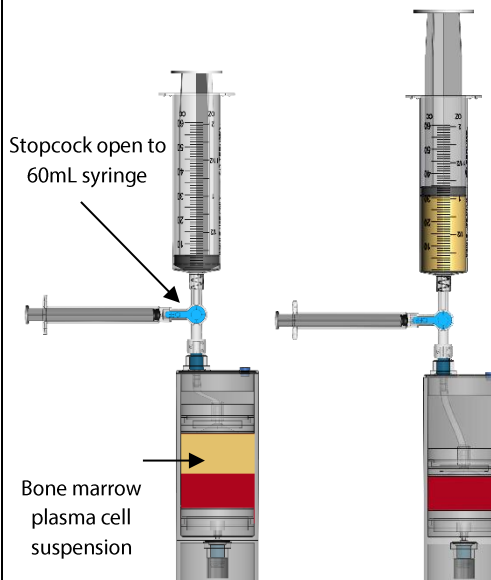
PLATINUM SERIES CENTRIFUGE

PureBMC® SP SPIN 1

EXECUTIVE SERIES CENTRIFUGE

2.5 minutes, 3800 RPM

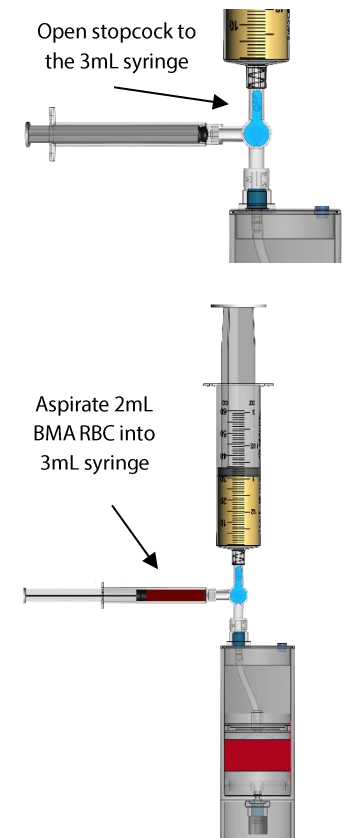
Step 5:



After centrifugation, the bone marrow plasma cell suspension will be separated from the RBCs.

Connect the syringe accessory to the top needle-less port and with the stopcock open to the 60mL syringe, slowly aspirate the plasma cell suspension. Aspirate until aspirating pipe fills with RBCs

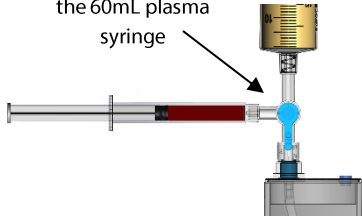
Step 6:



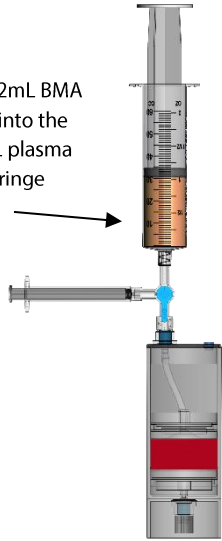
Open the stopcock to the 3mL syringe and aspirate 2mL of BMA RBC into it

Step 7:

Open stopcock to the 60mL plasma syringe

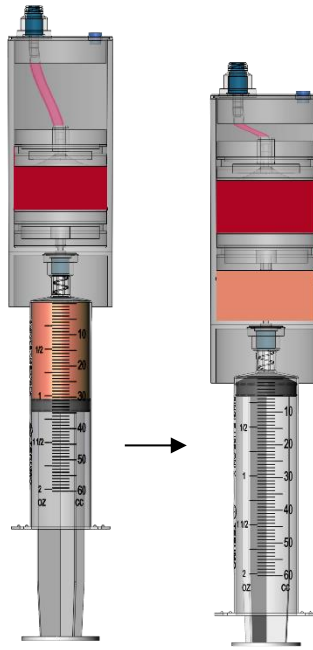


Inject 2mL BMA RBC into the 60mL plasma syringe



Open the stopcock to the 60mL plasma syringe and inject the 2mL BMA RBC into it.

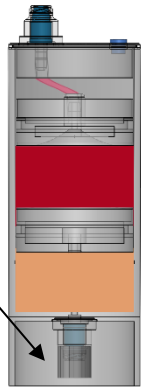
Step 8:



Remove the clear cap from the bottom port and inject the cell suspension into the device

Step 9:

Place the sterile clear cap back onto the bottom port



IMPORTANT!
Place the sterile clear cap back onto the bottom needle-less port of the device



Place back in the centrifuge rotor at opposite ends

Step 10:

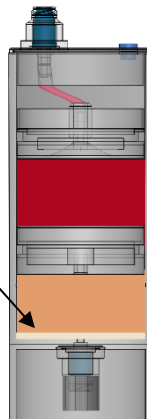
Process at:

PLATINUM SERIES CENTRIFUGE
PureBMC® SP SPIN 2

EXECUTIVE SERIES CENTRIFUGE
7 minutes, 3800 RPM

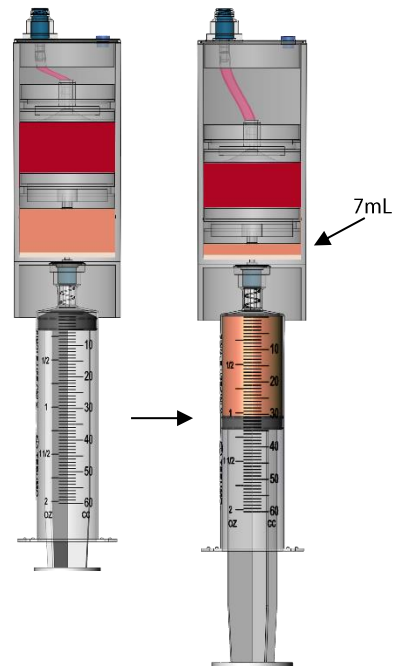
Step 11:

Bone marrow buffy-coat at the bottom of the device



After centrifugation the bone marrow buffy-coat will be separated at the bottom of the device

Step 12:



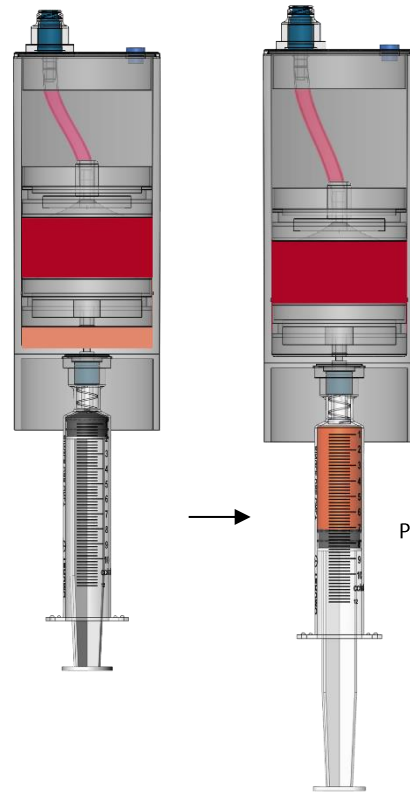
Connect the syringe to the bottom needle-less port and aspirate bone marrow plasma, leaving 7mL in the device

Step 13:



Vigorously agitate to resuspend the bone marrow buffy-coat into the plasma

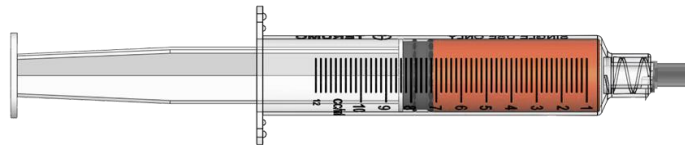
Step 14:



Aspirate PureBMC® into the 12mL syringe.

Connect the 12mL syringe and aspirate the remaining 7mL of supraphysiologic PureBMC®

Step 15:



PureBMC® SupraPhysiologic

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