


Note: Always swab self sealing port with sterile alcohol prior to accessing with a sterile syringe

**Step 1:**


Draw 10mL of Sodium Citrate Anticoagulant (SCAC included) & 10mL Heparin (1000units/mL NOT INCLUDED) into the 60mL Vaclock syringe. Wash trocar, sharp, filter, concentrating devices with SCACH mixture. Leave 10mL of SCACH mixture in 60mL Vaclock syringe.



**Step 2:**

Draw 50mL of bone marrow aspirate from the patient, filling the syringe to 60mL.

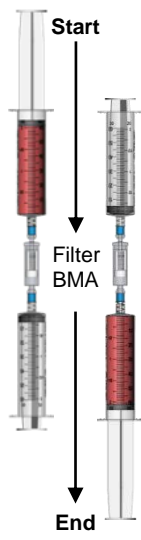
Vaclock syringe has 10mL locking increments to provide a constant and measurable vacuum during bone marrow aspiration



**Step 3:**

Filter from syringe to syringe by simultaneously pushing and pulling each syringe.


Filter the BMA in the direction indicated on the filter.



**Step 4:**

**PLEASE DISCARD RED VENTED CAP FROM CONCENTRATING DEVICE BEFORE USE**

Inject anticoagulated & filtered BMA into the Concentrating Device



**Step 5:**



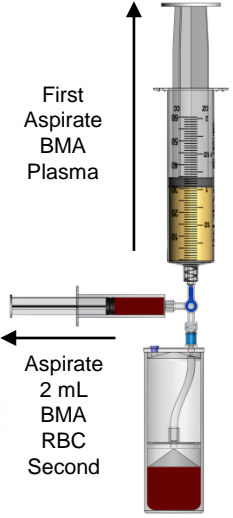
Counterbalance and process the Concentrating Device at

**2.5 minutes**  
**3800 RPM**

**Step 6:**

First Aspirate BMA Plasma

Aspirate 2 mL BMA RBC Second

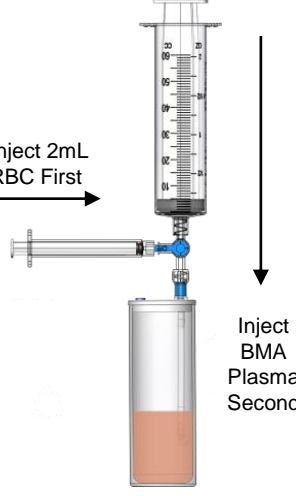


Aspirate the BMA plasma into the 60mL syringe. Then open the stopcock to the 3mL syringe and aspirate 2mL of BMA red blood cells

**Step 7:**


Inject 2mL RBC First

Inject BMA Plasma Second



Transfer the BMA RBC first then the BMA plasma into the Concentrating Accessory

**Step 8:**




Counterbalance and process the Concentrating Accessory at

**7 minutes**  
**3800 RPM**

**Step 9:**

BMA Cell Concentrate Buffycoat




Bone marrow cell concentrate Buffycoat separates out at the bottom of the Concentrating Accessory.

**Step 10:**

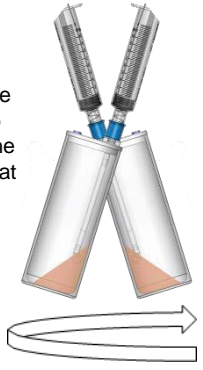
Aspirate BMA plasma from the Concentrating Accessory.

Leave 7mL of Plasma.



**Step 11:**

Attach the 12mL syringe and swirl to resuspend the BMA buffycoat into the plasma.




**Step 12:**

Tilt to immerse the Aspirating Pipe into the PureBMC®

Extract the PureBMC® into the 12mL syringe

**7mL PureBMC®**  
QGBC60PURE10218



## **USEFULL SUPPLIES NOT INCLUDED in kit for BMA procedure**

- Sterile gown with sterile gloves
- Sterile black skin marker (optional)
- Povidone-Iodine swab stick (or Chloroprep)
- Two non-fenestrated towel/drape
- Two towel/drape with 3'' round fenestration
- Disposable scalpel, #11 blade knife
- Five sterile 4'' by 4''
- One sterile Steri-strip

## **FOR BMA LOCAL ANESTHESIA:**

- 1%-2% Lidocaine with Epinephrine
- 8.4% Sodium Bicarb
- 12cc syringe
- 2 x 25G (22G), 1.5 inch needle