

Step 1:



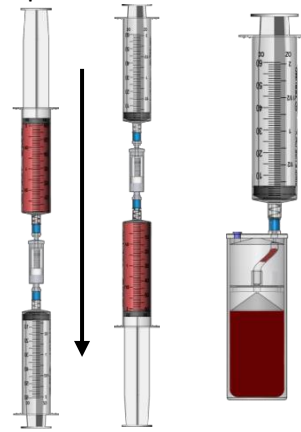
Draw 17mL ACSC and 3mL Heparin 3000 units of heparin/ 1000 units/cc in 3mL volume in 60mL syringe. Prime trocar needle, micron filter and concentrating devices. Leave 10mL of Anticoagulant mixture in 60 mL syringe

Step 2:



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

Step 3:



**Remove and Discard RED CAPS**  
Attach the filter and inject anticoagulated BMA through the filter into syringe. Then inject into the **Concentrating Device**

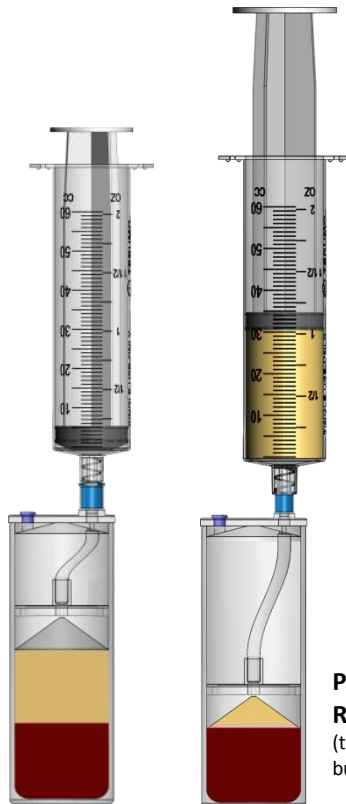
Step 4:



Counterbalance and process the **Concentrating Device** at

**5 minutes**  
**4400 RPM**

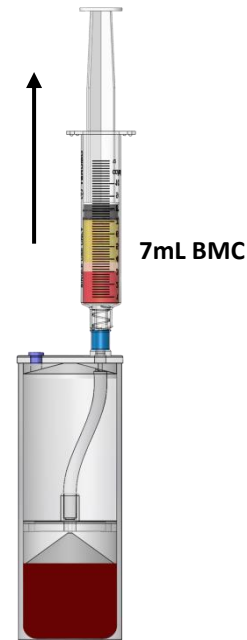
Step 5:



**Piston touches the RBC interface**  
(trapping plasma & BMC buffycoat inside)

Attach the 60mL syringe and aspirate the plasma until the piston touches the RBC interface (trapping the plasma & BMC buffycoat inside), then stop aspirating

Step 6:



**7mL BMC**

Attach the 12mL syringe and aspirate 7mL BMC (Rotate the syringe to re-suspend the platelet buffycoat into the plasma)

## **Suggested Supplies Needed for BMA procedure** **(not included in kit)**

- 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
- One sterile cup (to hold Heparin/Citrate wash)
- \* **Heparin 3000 units of heparin/ 1000 units/cc in 3ml volume**

## **Suggested Use for Heparin/Sodium Citrate wash**

- \* **15-17cc's Sodium Citrate (included in kits) and 3ml Heparin (Not included in kit)**

## **FOR BMA LOCAL ANESTHESIA:**

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