**Provided from Harvest (sterile):**

- 3 – 35 mL Syringes (1 spare)
- 1 – 11Ga Bone Marrow Aspiration Needle w/Blunt Stylet
- 1 – BMA Filter Bag
- 1 – 60 mL Syringe
- 1 – Blunt Plastic Cannula
- 1 – 10 mL Syringe (spare)
- 1 – 18Ga Blunt Fill Needle

**Not Included:**

**Not Included w/ V-BMAC 60-01:**

- PF Heparin

**Included w/ V-BMAC 60-02:**

- PF Heparin, 10,000 USP units/mL (5mL total volume)

**Preparations:**

1. Dilute the heparin to 500u/mL in a total volume of 50 – 75 mLs.

**Aspiration Procedure:**

1. Rinse all surfaces of the BMA Needle, Stylet and aspiration Syringes (2 - 35 mL) with the diluent.
2. Pre-fill a 35 mL syringe with 2 mLs of heparin diluent.
3. Enter site with marrow aspiration needle and stylet.
4. Attach pre-filled 35 mL syringe and inject 1 mL into marrow space.
5. Immediately aspirate 35 mLs of bone marrow aspirate (BMA).
6. Remove red cap from in-port and connect aspiration syringe.
7. Transfer the BMA to BMA Filter Bag through In-port and gently mix.
8. Repeat above steps for a total of 70 mLs of BMA.
9. Gently Mix bag thoroughly and continuously.

**Sample Preparation (Fig. 1):**

1. Gently squeeze filter chamber to allow marrow to enter filter chamber.
2. Attach a 60 mL syringe to Out-port and withdraw 60 mLs of BMA and an air bubble to facilitate mixing.
3. Attach a Blunt Plastic Cannula to the 60 mL Syringe.
Processing (Fig. 2 – 4):
1. Mix thoroughly (rocking motion) then dispense contents into the blood chamber (Red Port) of the process disposable (Fig. 2 & 3) and immediately load the PD into the centrifuge with an opposing balance weight and begin processing (Fig. 4).
2. Close lid on machine, the AMBER “LID OPEN” light must be off.
   a. For SMP2 with serial number 0101 – 5999 (Fig. 7) press GREEN “START” button to start the process.
   b. For SMP2 with serial number 6000 and above (Fig. 8) press ORANGE “BMAC” button to start the process.
   c. Total processing time is approximately 14 minutes.

Post-Processing and Sample Preparation (Fig. 5 and 6):
1. Remove the excess plasma using the syringe, cannula, and spacer assembly provided in the sterile tray – being careful to aspirate while submerging the tip of the cannula down through the PPP until you hit the bottom of the spacer (Fig. 5).
2. Attach the 20 ml Syringe and Blunt Cannula. Resuspend the bone marrow aspirate concentrate (BMAC) following the standard resuspension (PRP) technique (Fig. 6).

The BMAC is ready to use.