

## AlphazActive Instructions

### **Step 1: Blood Collection**

Patient hydration should begin 3 days prior to procedure.

Connect a Blunt Fill Needle to each of the three 60ml Syringes.

Alcohol wipe the septum of the ACD-A container and draw 7ml into each 60ml Syringe.

Carefully recap each Blunt Fill Needle and set each 60ml Syringe aside.

Prepare patient for blood draw. Perform venipuncture.

Disconnect the capped Needle from the Syringe and attach the Syringe to the Butterfly.

Carefully draw 38ml of blood into each Syringe for a total volume of 45ml each.

Pinch extension line on Butterfly between Syringes to prevent backflow.

Connect the white Blunt Plastic Cannula to each of the blood-filled Syringes.

Invert each of the three Syringes 7 times to ensure adequate mixing.

### **Step 2: Centrifugation**

Remove Centrifuge Tubes from sterile packaging and place on Tube Holders to keep upright.

Direct graduation of tubes outward to easily view that each tube has an equal volume of blood.

Remove cap from the Blunt Plastic Cannula and gently insert into the septum of the Centrifuge Tube without forcing the entire Cannula through the septum.

Dispense all 45ml of anti-coagulated blood into each tube filling equally. Discard Syringes.

Load all three Centrifuge Tubes into the centrifuge (in a balanced triangle pattern).

The small concave component should be placed into each cylinder to ensure precise balancing.

Close and lock. Select the "PPP" Cycle (which is 10 minutes/4000 rpm's/o Braking). Start.

Carefully remove each Centrifuge Tube after the spin cycle is complete.

Connect the Plasma Collection Needle to the new 60ml Syringe.

Alcohol wipe the septum of each Centrifuge Tube and carefully insert the needle.

Slowly collect 15-20ml of plasma into the Syringe, from the top down, without disturbing the surface of the buffy coat (by keeping the Needle at least 2 graduations above the barrier).

Repeat with the other Centrifuge Tubes collecting plasma from all three into the one Syringe.

### **Step 3: AlphazActive Concentration Kit**

Place the APIC Concentration Kit w/cardboard backing onto pump platform and press Enter.

Alcohol wipe the blue port of the Concentration Bag, remove the Plasma Collection Needle from the Syringe containing 45-60ml of plasma and connect to the blue port.

Inject plasma into the APIC Concentration Bag and press Enter.

Disconnect and discard the empty 60ml Syringe.

Load tube into pump head (ensuring that the tubing is centered), lock and press Start.

Takes 20 minutes and will read "APIC Ready" when completed.

Immediately engage the white clamp on the waste bag tube to prevent backflow.

Wipe the blue port of the APIC Concentration Bag, connect your syringe and draw plasma.

You will be left with 8-15ml of injectate.

Disconnect your syringe.

Unlock lever to remove tubing and discard the APIC Concentration Kit.

Connect a needle to your syringe up to a 30 gauge size.