



Accelerate® Concentrating System is manufactured by EmClyte Corporation and is distributed by

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Accelerate Concentrating System is designed to be used for the safe and rapid preparation of autologous platelet rich plasma (PRP) from a small sample of blood at the patient's point of care. The PRP can be mixed with autograft and allograft bone prior to application to an orthopedic surgical site as deemed necessary by the clinical use requirements.

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713-06-35 • Accelerate PRP-G Prep Tech 0215

EXACTECH | BIOLOGICS

Preparation Technique



Accelerate | PRP-G
CONCENTRATING SYSTEM

PREPARATION TECHNIQUE

Step 1: Draw 10mL of anticoagulant into 60mL syringe, attach to apheresis needle and prime with the anticoagulant. Slowly draw 50mL of blood from the patient, filling the syringe to 60mL. Gently mix the blood and anticoagulant.

Step 2: Using the Concentrating Device, unscrew the cap and slowly add the 60mL of anticoagulated whole blood to the Concentrating Device. Screw the cap onto the device and load into the Executive Series Centrifuge II machine.

Step 3: Fill the counterbalance with the equivalent volume of water or sterile saline (*Figure A*). Place both tubes in the centrifuge buckets on opposite ends of the rotor. Set the centrifuge for 1.5 minutes, 3800 RPM.

Step 4: Once completed, the platelets will remain suspended in the plasma. Layers will be separated into Platelet Plasma Suspension (PPS) and red blood cells (RBCs) (*Figure B*).

Step 5: Unscrew the cap from the port of the concentrating tube. Aspirate all of the PPS into the 60mL syringe. Do not aspirate any red blood cells from the RBC layer (*Figure C*).

Transfer the PPS into the second concentrating device. Counterbalance the tubes using the scale. Place the tube back into the centrifuge for 5 minutes at 3800 RPM (*Figure D*).

Step 6: Once completed, the platelets will be further concentrated at the base of the Concentrating Device (*Figure E*).

Step 7: Aspirate the platelet poor plasma into the 60mL syringe. Aspirate until the aspirating disc reaches the bottom of the tube (*Figure F*).

Step 8: Gently swirl the concentrating device to re-suspend the platelets into the plasma within the aspirating disc.

Step 9: Aspirate the PRP into the attached 12mL syringe. Remove sterile syringe and apply sterile cap (*Figures G, H*).

Figure A



Figure B



Figure C



Figure D

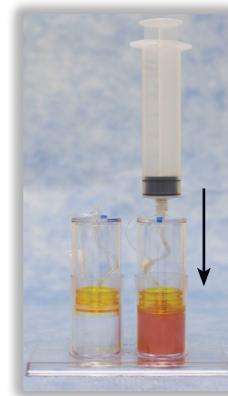


Figure E



Figure F

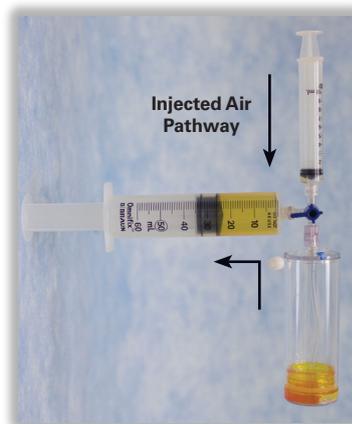


Figure G



Figure H

