

# Preparation of GPS<sup>®</sup> III Platelet Concentrate Separation Kit

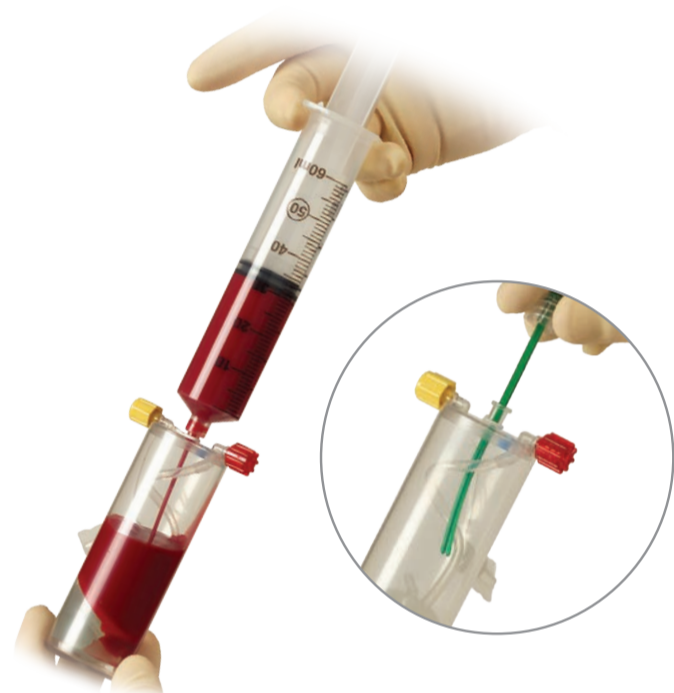
## Wall Chart



### 1 Draw

**GPS III Single:** Draw 8 ml of ACD-A (Citrate Anticoagulant) into 60 ml syringe. Attach to 18-gauge apheresis needle and prime with ACD-A. Slowly draw 52 ml of patient's own blood into the 60 ml syringe primed with ACD-A. Gently, but thoroughly, mix the whole blood and ACD-A upon collection to prevent coagulation.

**GPS III Mini:** Withdraw 4 ml of ACD-A into 30 ml syringe. Withdraw 26 ml of blood into the same 30 ml syringe.



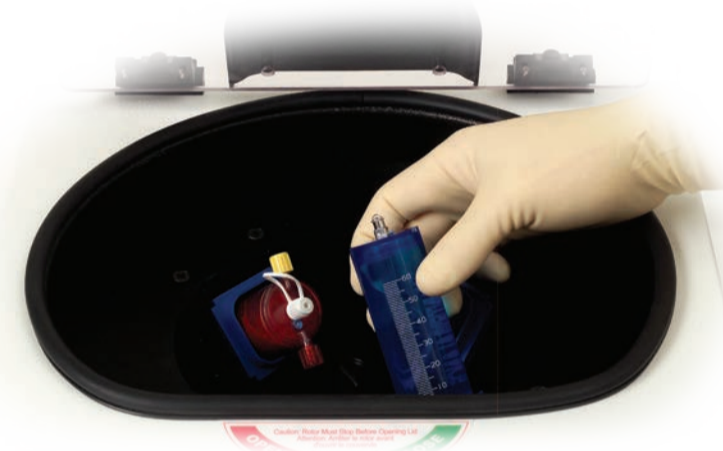
### 2 Load and Balance

Unscrew cap on center port No. 1, which will remove packaging post and discard. Slowly load blood filled 60 ml syringe (8 ml of ACD-A and 52 ml of whole blood) into center port.

**GPS III Mini:** Load blood filled 30 ml syringe (4 ml of ACD-A and 26 ml of whole blood) into center port.



Remove protective cover on white cap and discard. Screw white cap onto center port.



**GPS III Single:** Place GPS III Single device into the centrifuge. Fill blue Single Counterbalance (800-0508) with sterile water equal to amount of whole blood plus ACD-A. Place filled counterbalance directly opposite from the platelet separator in the centrifuge.

**GPS III Mini:** Place GPS III Mini device into centrifuge. Fill Purple Mini Counterbalance (800-0505) with sterile water equal to amount of whole blood plus ACD-A. Place filled counterbalance directly opposite from the platelet separator in the centrifuge.



### 3 Centrifuge

Close the lid and turn the latch clockwise to lock. "Latched" indicator will illuminate. Set speed for 3200 RPM and timer to 15 minutes. Press the start button. Once cycle is complete, open centrifuge and remove GPS III tube.



### 4 PPP Extraction

**GPS III Single:** Unscrew yellow cap on port #2, and save yellow cap. Connect 30ml syringe to port #2. Slowly tilt the platelet separator while withdrawing the platelet-poor-plasma (PPP). Remove 30ml syringe from port #2, cap with a sterile syringe cap, and set aside. Replace yellow cap on port #2.

**GPS III Mini:** Follow steps above using the 10 ml syringe instead of a 30 ml syringe.



### 5 L-PRP Suspension & Extraction

Remove Red Cap (port No. 3) and connect 10 ml syringe for the Standard and 5 ml for the Mini.

**GPS III Single:** Withdraw 2 ml of L-PRP. With 10 ml syringe attached, suspend the platelets by gently shaking the device for 30 seconds. Extract remaining L-PRP contents.

**GPS III Mini:** Withdraw 1 ml of L-PRP. With 10 ml syringe attached, suspend the platelets by gently shaking the device for 30 seconds. Extract remaining L-PRP contents.