

GPS[®] III System

Processing Instructions



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Step 1: Blood Draw



Attach supplied 18 gauge needle to 60 ml syringe.
Withdraw 6 ml of ACD-A (citrate anticoagulant).

*Mini GPS® III System: Withdraw 3 ml of ACD-A.



54 ml of blood is drawn from the patient according to facility protocol.

*Mini GPS® III System: 27 ml of blood is drawn from the patient according to facility protocol.

Step 2: Load Blood



Unscrew cap on center port No.1 and discard green packaging post.

Slowly load blood into center port.

Step 3: Balance



Push Open/Stop button on control panel. The “unlocked” indicator will illuminate. Turn latch counterclockwise to open lid. Place tube into centrifuge.

*Mini GPS® III System: Purple buckets (7433) must be inserted into the centrifuge.



Fill GPS® III counterbalance (800-0508) with 60 ml of sterile saline and place into opposite side of centrifuge.

*Mini GPS® III System: Fill GPS® III mini counterbalance (800-0505) with 30 ml of sterile saline and place into opposite side of centrifuge.

Step 4: Spin



Close the lid by rotating the lid latch clockwise. “Latched” indicator will illuminate. Set speed to 3200 RPM and time to 15 minutes. Press green button to start spin. Once spin is complete, press red button to illuminate the “Unlocked” indicator. Twist latch counterclockwise to open lid.

Step 5: PPP Extraction



To extract the platelet poor plasma (PPP), remove yellow cap on side port No. 2 and connect the 30 ml syringe. Slowly tilt the tube while withdrawing PPP. Replace yellow cap.

Step 6: PRP Suspension and Extraction



Remove red cap on side port No. 3 and connect 10 ml syringe.

Withdraw 2 ml of PRP.

*Mini GPS® III System: Withdraw 1 ml of PRP.



With 10 ml syringe attached, suspend the platelets by shaking the tube for 30 seconds.

If the pellet between the buoys is not suspended completely, shake tube vigorously.



Extract the remaining platelet rich plasma (PRP) contents into the attached 10 ml syringe.

Plasmax[®] Plasma Concentration System

Processing Instructions



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Step 1: Load Plasma



Plasmax® Plus: Unscrew yellow cap on port No. 1 of plasma concentrator and fill with 25 ml of PPP. Replace cap. Remove and discard protective cover on tethered white cap. Screw white cap onto port No 1.

*Plasmax® Regular: Fill with 15 ml of PPP.

☰ **Note:** Refer to GPS® III instructions for how to process PRP and PPP.



Step 2: Spin and Extract



Plasmax[®] Plus: Place concentrator into centrifuge with the empty Plasmax[®] Plus counterbalance (800-0512). They should be placed on opposite sides in the centrifuge. Spin for 2 minutes at 2000 RPM.

*Plasmax[®] Regular: Use Plasmax[®] Counterbalance (800-0510)



Plasmax[®] Plus: Unscrew red cap on port No. 2. Connect sterile 10ml syringe on port No. 2 and extract approximately 10 ml of concentrated plasma.

*Plasmax[®] Regular: Extract approximately 6 ml of concentrated plasma.

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