



Processing Whole Blood Using the CRT PurePRP® II Kit

1




Draw 10 mL of ACD-A Anticoagulant into 60 mL Syringe

2



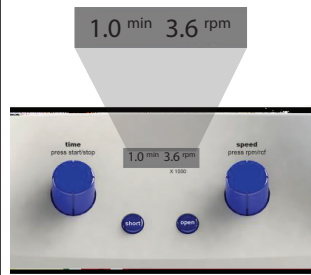
Draw 50 mL whole blood from patient, filling syringe to 60 mL

3




Load anticoagulated whole blood into the 60 mL Concentrating Device

4




Counterbalance and process sample in centrifuge for 1 minute at 3600 RPM

5



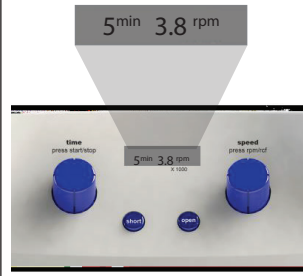
Using the 60 mL syringe, aspirate platelet poor plasma and buffycoat (until RBC fills aspirating line)

6




Transfer the platelet plasma suspension into the 30 mL Concentrating Device

7



Counterbalance and process sample in centrifuge for 5 minutes at 3800 RPM

8




Platelet concentrate buffycoat separates out at the bottom of the 30 mL Concentrating Device

9



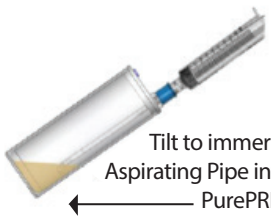
Aspirate platelet poor plasma from 30 mL Concentrating Device, leave 4 mL of plasma

10



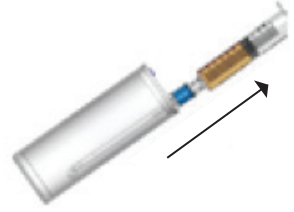
Attach the 10 mL syringe and swirl to resuspend the platelet buffycoat into the plasma

11



Tilt to immerse Aspirating Pipe into PurePRP®

12



Extract the 4 mL of PurePRP® into the 10 mL syringe

Processing Bone Marrow Using the CRT BMC Kit

1

Draw 5 mL of Heparin into the 60 mL syringe (packaged with BMA filter). Attach to BMA filter "Out" port and expel Heparin into filter.

1b

Draw 15 mL of Heparin into Vaclock Syringe. Prime Jamshidi needle with Heparin, ensuring complete coverage. Leave 5 mL in syringe.

2

Draw 25 mL of bone marrow aspirate from the patient, filling the syringe to 30mL.

3

Start → **End**

Filter from syringe to syringe by simultaneously pushing and pulling each syringe. Filter the BMA in the direction indicated on the filter.

4

Inject anticoagulated & filtered BMA into the 60 mL Primary Concentrating Device

5

Counterbalance the devices. Then process the sample for 1 minutes at 4200 RPM

6

Aspirate the BMA plasma into the 60 mL syringe. Then aspirate 1 mL of BMA RBC into the 3 mL syringe.

7

First Inject 1 mL BMA RBC
Then Inject BMA Plasma

First transfer the 1 mL BMA RBC into the 30 mL Secondary Concentrating Device, then transfer the BMA plasma into the device.

8

Counterbalance the devices. Then process the sample for 5 minutes at 4200 RPM

9

BMA Buffycoat

Bone marrow cell concentrate buffycoat separates out at the bottom of the 30 mL Secondary Concentrating Device

10

Aspirate BMA Plasma
Leave 4 mL

Aspirate BMA plasma from the Concentrating Accessory. Leave 4 mL of plasma

11

Attach the 10 mL syringe and swirl to resuspend the BMA buffycoat into the plasma

12

Tilt to immerse Aspirating Pipe into PureBMC®

Tilt to immerse the Aspirating Pipe into the PureBMC®

13

4 mL PureBMC®

Extract the PureBMC® into the 10mL syringe