

ART PRP Plus

Product Technique Leukocyte Rich Preparation



***Be sure that all blood is collected with the provided ACDA (10% ACDA by volume of blood).**



Remove the ART PRP+ from its sterile packaging and keep the plastic container to discard blood filled syringes. Be sure to practice sterile techniques when working with the device and syringes.



Load ART PRP+ into the centrifuge with the orange thumbwheel facing out. Ensure centrifuge buckets are fully seated. Use counterbalances as needed.



Unscrew the white cap from Port A.



Centrifuge for 15 minutes at 3200 rpm. When spin cycle is complete, transfer the ART PRP+ to a flat working surface.



Be sure to place the cap face up. This will ensure that the cap won't be contaminated when setting it down.



Unlock your syringes by pulling back on the plunger and pushing it back into place. Attach a 35cc syringe to Port B and Port C. Attach the VacLock syringe to the lower port of the back chamber. Pull the plunger all the way back and lock it into place.



Connect the syringe containing blood to Port A by screwing it to the device.



Turn the dial to lower the collection window. Two white O-rings will emerge as the piston lowers.



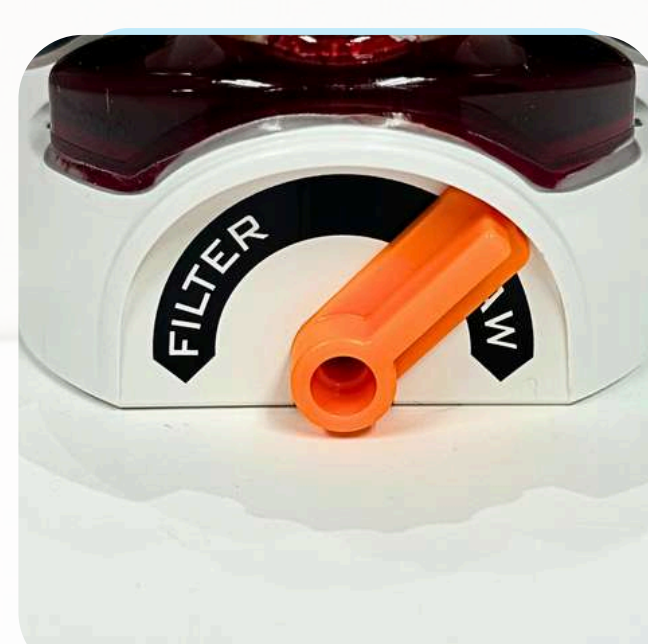
Inject the blood into the device. Be sure to use slow steady pressure when injecting the blood. Go slower for the final 10cc's so the device does not overflow.



Lower the collection window until the bottom line of the lower ring is just above the buffy coat.



Remove the syringe and replace the cap on Port A. Ensure the collection window all the way up.



Adjust the flow valve to DRAW.

ART PRP Plus

Product Technique
Leukocyte Rich Preparation



Slowly extract the aqueous plasma portion of the blood until air bubbles are observed in the syringe.



Quickly extract the buffy coat until air bubbles are observed.



Adjust the flow valve to FILTER. A portion of the plasma will immediately be pushed through the filter when the lever is set into place.



Return the flow valve to the neutral position and remove the buffy coat syringe on Port B. Pull back on the syringe plunger and simultaneously unscrew syringe from the device.



Push the remaining aqueous plasma through the back filter by pressing the plunger of the syringe on Port B. The plasma will be redirected to Port C automatically.



Attach a fresh 35cc syringe to Port B. Remember to unlock the syringe by pulling on the plunger and returning it back to its original place.



Store the plasma in the Port C syringe, return the flow valve to the neutral position.



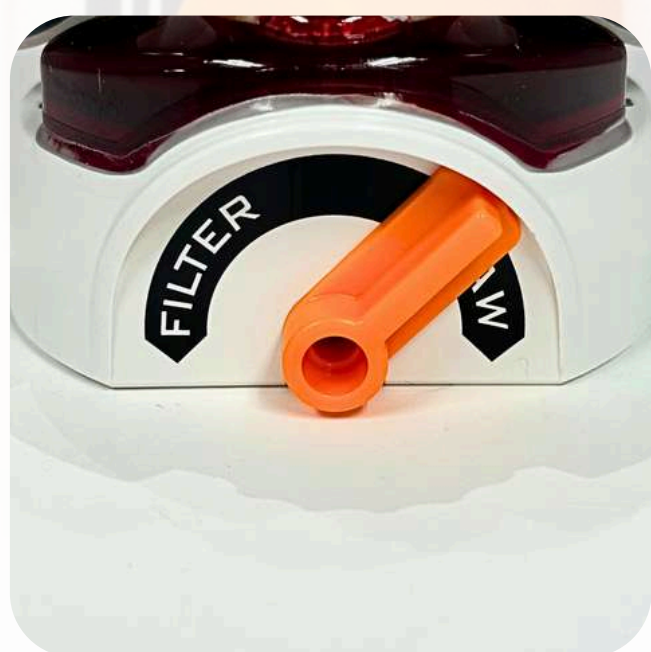
Adjust the flow valve to FILTER.



Lower the collection window until the top ring is covered by the buffy coat.



Pass the aqueous plasma through the filter until the desired final volume is achieved. Saline will flow into the VacLock syringe



Turn the flow valve to DRAW.



Return valve to the neutral position. Remove syringe from Port B. Simultaneously pull back on the plunger and unscrew the syringe.

INDICATIONS FOR USE

The Celling Biosciences Autologous Platelet Concentrator/Separator (APC/APS)[™] System is indicated for the rapid preparation of autologous platelet rich plasma / platelet poor plasma from a small sample of blood at the patient's point of care. The autologous platelet rich plasma / platelet poor plasma is mixed with autograft and/or allograft prior to a bony defect to improving handling characteristics.

CONTRAINDICATIONS

Use of the ART PRP Plus System may be contraindicated when there is clinical or laboratory evidence of septicemia and for patients who have taken aspirin, or other medications that alter platelet function within 3 days prior to surgery, or patients with disorders associated with platelet dysfunction.

WARNINGS AND PRECAUTIONS

- Plasma and platelets prepared with this system are not intended for transfusion.
- Do not use as a dialyzer or for dialysis with a dialysate.
- Do not directly connect to a patient's vascular system or circulating blood.
- Use prepared platelet rich plasma / platelet poor plasma within 4 hours after blood collection.
- The safety and effectiveness of this device for bone healing, hemostasis, or other clinical use have not been established.
- CAUTION: Use only a Celling Biosciences approved centrifuge. Outcomes using untested centrifuges are unknown.
- CAUTION: Do not use if the ART PRP Plus protective package is unsealed or torn.
- CAUTION: Aseptic technique should be used when making all connections and fluid transfers.
- CAUTION: ART PRP Plus Kit is Single Use Only. Do not reuse.
- NOTE: The items contained in the ART PRP Plus Kit are provided sterile. The ART PRP Plus Device is sterilized by gamma radiation. All other kit components are sterilized by the respective supplier using irradiation or ethyleneoxide gas (EtO). Do not re-sterilize. Do not use after expiration date.
- NOTE: The ART PRP System should only be used by qualified personnel who are trained on its operation.