

Step 1: Blood Collection

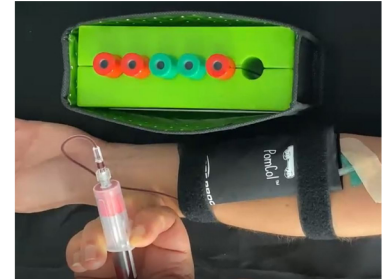
To maximize platelet volume and potency it is essential to utilize the PomPac® tube cooling system and the PomCol® blood draw cooling system. Store both the PomPac® and PomCol® in the refrigerator until the time of surgery at 40°F.

1. Remove at least four green S-PRF™ tubes and two red A-PRF™ tubes from their packages and place them in the PomPac®. A maximum of 6 tubes can be drawn without needing to flush the line with saline.
2. Begin a blood draw with a 21-gauge blood collection butterfly. Once the needle is inserted, wrap the patient's arm with the PomCol®.
3. While keeping the resting tubes in the PomPac®, individually remove one tube and begin to fill it. Once the tube is filled place it back in the PomPac®. It is essential that the blood draw happens quickly to prevent fibrin loss.
4. Once all the tubes are filled, they can then be placed into the DuoQuattro® centrifuge. Due to the varying weights of red and green tubes, they must be placed parallel to each other to maintain balance.

Step 2: Processing

Due to recent discoveries in blood platelet therapy, new protocols have been developed to produce a more ideal and potent S-PRF® sticky bone pad. Unlike prior protocols, the red and green tubes can now be spun at the same speed: 1300 rpm for 14 minutes. This means that the first setting A-PRF+ should be utilized.

1. Select setting #1 (A-PRF+) using the selection button.
2. Close the lid firmly near the latch and press start to begin the cycle.
3. After the cycle is completed, place the tubes in the tube holder and remove the tops.
4. Remove the A-PRF™ fibrin clots from the red tubes using the forceps provided while scraping away the excess red blood cells with the blade of the scissors. It is important to scrape not cut the border of the fibrin.
5. Place the fibrin clots in the MK2 PRF box and place the thin metal plate on top of the membranes. This will flatten the membranes and release exudate into the bottom reservoir. Close the box and leave it for a minimum of 5 minutes.
6. While the A-PRF® is being pressed, aspirate the S-PRF® into a sterile syringe and irrigate it inside the compartments of the white membrane tray. One compartment of the tray should be filled with bone graft and S-PRF®, and the other compartment with S-PRF® only.
7. Once both compartments are filled, remove the inner tray of the MK2 PRF box and aspirate 1-2ml of exudate from the bottom of the box. Irrigate the exudate in both compartments to initiate clotting.
8. After 2 minutes, place both S-PRF® sticky bone pads on top of each other and begin to compress the pads until they become solid.
9. The sticky bone can then be transferred to the PRF tray for compression and manipulation.
10. Once solid, the sticky bone membrane can be transplanted to the patient.



PomCol® & PomPac® Blood Draw



Protocol for Sticky Bone



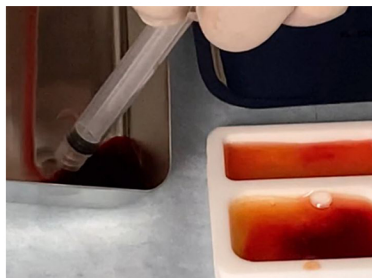
Removing/ Scraping Fibrin Clots



Pressing Fibrin Membranes



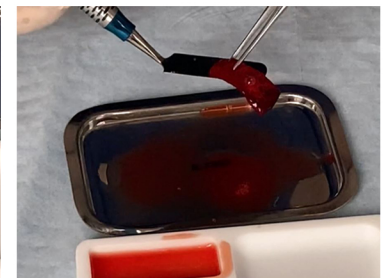
Irrigation of S-PRF® in Compartments



Aspirating Exudate to Initiate Clotting



Sticky Bone Manipulation



Sticky Bone Ready to Use