



Veterinary Regenerative Products

PRF Instructions

Watch instructional video prior to first use - See QR code or visit ensodiscoveries.com

PRIOR TO OPENING KIT

- Ensure patient is not on any medications that will interfere with clotting (e.g. aspirin)
- During entire process, **MAINTAIN BLOOD BETWEEN 25°C (77°F) and 37°C (99°F)**
 - Too high temperatures and clotting may never occur
 - Too low temperatures and clotting may be significantly slowed
- Read entire instructions (not following instructions could cause issues with the formation of a good serum clot which will make proper use of the kit impossible)
- Follow all steps in a timely manner (pausing during any stage may cause issues)

STAGE 1

- Prep patient for sterile venipuncture
- Keeping PRF kit in the box, peel back cover to **“PEEL TO HERE”** line
- Using provided butterfly and tube holder (2), fill all blood tubes (1) with blood (*do NOT use any anticoagulant*)
- **Immediately** centrifuge blood, settings are species specific (*see table*)
- Keep tubes vertical until a clot is formed - use holding spots in tray (3)
- Ensure tubes are kept approximately body temperature but not too hot
- Wait for a solid clot to form before proceeding to Stage 2 (*may take 20 minutes or more*)

STAGE 2

- Peel cover all the way open
- Connect PRF base (4) to provided syringe (6) using Luer port
- Place PRF/syringe combo into designated area of tray (5/6)
- Place syringe cap into space where PRF was located (4)
- Remove lid, but not screen of PRF, and place in space #4 - Screen should have 2mm side up (*if 0.5 side is up, flip screen over*)
- Remove the rubber stopper from one clot-filled tube
- Lay tube into ramp-shaped slot in tray (7), with opening of tube facing towards forceps
- Using provided forceps (8), pull only the clotted serum portion out of the tube (*i.e. leave RBCs in tube*)
- Use provided plastic knife (9) to guillotine the serum clot from the red cells
- Transfer the serum clot to the 2mm screen of the PRF kit, dispose of tube with RBCs
- Repeat for 3 remaining blood tubes

If individual/separated membranes are desired:

- place clots on either 0.5mm side or 2.0mm side of PRF screen
- place lid on PRF kit, slowly but firmly press down lid and hold in place for a minimum of 30 seconds
- aspirate syringe until either syringe is full or air bubbles appear
- Your Rebound PRF membrane is now ready for use

If combining individual membranes into larger membrane:

- place clots on 2.0mm side of PRF screen
- place lid on PRF kit, slowly but firmly press down lid for **10 seconds only**
- aspirate ‘expressate’ into syringe until full or air bubbles appear
- Remove lid and place in space #4
- Use the provided plastic knife and/or forceps to transfer membranes to lid
- Flip screen to 0.5mm side, return clots to 0.5mm screen ensuring membranes are **OVERLAPPING** in a weave pattern
- Place lid on PRF kit, press down firmly then place provided rubber bands (10) around kit to ensure pressure is kept on lid
- Leave rubber band in place for a minimum of 3 minutes (*can stay in place for 1 hour*)
- If possible, aspirate again with 5cc syringe until syringe is full or air enters syringe
- Your Rebound PRF membrane is now ready for use

Using the PRF membrane and ‘expressate’:

- The ‘expressate’ can either be injected into the wound or bathed over the wound
- The PRF membrane should be kept covered with a non-adherent sheet (*e.g. Telfa*)
- The PRF membrane can be held in place with either a bandage or with sutures
- Bandage changes should occur as usual, PRF membrane will typically be incorporated into the wound in 3-5 days

PRF Centrifuge Settings

SPECIES	TIMES (MINS)	RCF (G-FORCE, not RPMs)
BOVINE	8	1000
CANINE	10	500
EQUINE	10	120
FELINE	10	500

Scan for PRF Instructional Video

