

Pro-Stride® APS – Autologous Protein Solution System

Pro-Stride APS 60 mL KIT 6 PK 10024651 | Pro-Stride APS 60 mL KIT SINGLE PK 10024640

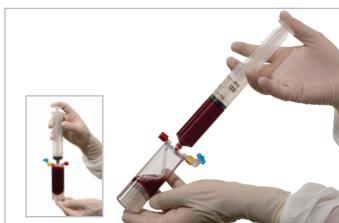


1 Draw Blood



Attach 18-gauge needle to 60 mL syringe and pull up 5–8 mL of ACD-A anticoagulant into syringe. Remove needle and prime 18-gauge apheresis butterfly catheter and needle with ACD-A. Using the attached primed needle, slowly draw 52–55 mL of blood from an aseptically prepared jugular vein, at a rate of approximately 1 mL/sec, for a total of 60 mL into the syringe. Gently mix anticoagulant with blood in syringe while aspirating.

2 Transfer into APS Separator Device



Unscrew cap on center top port (1) of the APS Separator device and remove/discard green packaging post. Slowly load blood into center port at a rate of approximately 1 mL/sec. When complete, remove syringe and attach tethered cap to the center top port.

3 Load Centrifuge



Push Open/Stop button on control panel. The “unlocked” indicator will illuminate. Turn latch counterclockwise to open lid. Place APS Separator device into green bucket with side hubs oriented horizontally. Be sure the centrifuge is balanced with applicable counterbalance [60 mL Adjustable Counterbalance (Blue) 10024623 or 60 mL Solid Counterbalance (Blue) 10024635] or a second APS Separator device of equal volume.

4 First Spin



Close lid by rotating the lid latch clockwise. The “latched” indicator will illuminate. Set speed to 3200 n/min and time to 15 minutes. Press Start button. Once spin is complete, press Open/Stop button. Twist latch counterclockwise to open lid.

5 Remove Platelet-Poor Plasma



Remove yellow cap on side port (2) and connect a 30 mL syringe. When removing the plasma, tilt at an angle but avoid inverting, keeping the fluid below the top blue vent. Replace yellow cap when complete.

6 Remove Cell Solution



Remove red cap on side port (3) and connect 10 mL syringe. Withdraw 2 mL of PRP. Leave syringe attached.



With 10 mL syringe attached, suspend PRP by shaking tube for 30 seconds without inverting.



Extract remaining PRP suspension into the attached 10 mL syringe. This cell suspension will be transferred into the APS Concentrator device.

7 Transfer Cell Solution into APS Concentrator Device



Gently tap APS Concentrator device on a hard surface to ensure beads are evenly distributed across the bottom of the top chamber. Unscrew yellow cap (1) and fill with cell suspension from 10 mL syringe. Remove 10 mL syringe and attach tethered cap on port 1.

Twist and piston the mixer using the centrally located dial on the top of the device until the cell solution is fully mixed with beads.

8 Second Spin



Place APS Concentrator device into green bucket with side hubs oriented horizontally. Balance the centrifuge with Pro-Stride/APS counterbalance (Green) 10024624 or second full APS Concentrator device. Set speed to 2000 n/min and time to 2 minutes. Press Start button. Once spin is complete, press Open/Stop button. Twist latch counterclockwise to open lid.

9 Draw out Autologous Protein Solution



Gently re-suspend Autologous Protein Solution in bottom of APS Concentrator device without inverting. Unscrew red cap (2) and connect sterile 10 mL syringe. Extract Autologous Protein Solution (approximately 2–3 mL).

Attention Administering Personnel

NOTE: FOR SINGLE USE AND VETERINARY USE ONLY

DESCRIPTION

The Pro-Stride APS system aids in the concentration of proteins by centrifugation and removal of water.

MATERIALS

All Pro-Stride APS devices are made with only medical grade materials suitable for use in medical devices. All components of Pro-Stride APS are latex-free.

INDICATIONS FOR USE

Pro-Stride APS is designed to be used for the safe and rapid preparation of concentrated autologous protein solution.

WARNINGS AND PRECAUTIONS

1. Always wear personal protection equipment when handling animal samples and follow local occupational health regulations.
2. Use proper safety precautions to guard against needle stick injury. Discard used needles in "sharps" containers.
3. Follow manufacturer instructions when using centrifuge.
4. Do not use sterilized device if package is opened or damaged.
5. Single use device. Do not reuse.
6. User is to be thoroughly familiar with the equipment and the treatment procedure prior to using this device.
7. Use prepared cell concentrate solution within 4 hours after drawing marrow.
8. Only a Zoetis Universal centrifuge should be used with these devices.

STERILITY

The Restigen 60ml and Restigen 30ml Platelet Concentrator tube are sterilized by exposure to a minimum dose of 25 kGy gamma irradiation. Single use only. Do not re-sterilize. Do not use after expiration date.

CAUTION: Federal law restricts these devices to sale by or on the order of a licensed veterinarian, and they must be used under the supervision of a licensed veterinarian

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Symbol Legend



Use by Date (expiration date)



Sterilized using irradiation



Batch Code



Caution



Do not reuse



Manufacturer



Consult electronic instructions for use



Date of Manufacture in United States



Number of devices