



EQUINE BLOOD BASED BIOLOGICS

Platelet Rich Plasma (PRP) and Autologous Conditioned Serum (ACS)

Provided alone, or as a Diluent for Stem Cell Therapy

Permissions: Each veterinarian and owner must sign a release form prior to processing.

Scheduling Collection: Email to schedule processing at least 2 business days prior. Collect bone marrow aspirate and blood on Mon, Tues, Wed, or Thurs, and ship overnight.

Damaged Samples: Please note that if a sample arrives contaminated, hemolyzed or damaged, we will contact you to reschedule collection. A reduced fee may be charged for processing a failed sample.

Handling: Do not freeze blood. Stem cells suspended in PRP or ACS will arrive cool, do not freeze. PRP or ACS will arrive cool or frozen. **If frozen, only thaw for use one time**, discard excess. If cool and wish to freeze for later use, do so. Sample should be used within **6 months** of processing. Store blood based biologics (PRP, ACS) in -20°C freezer that does not defrost.

Shipping: Please use **UPS Next Day Air shipping labels** provided by RegenMed@VT. UPS tracking notifications are automatically emailed by **UPS Quantum View**.

Inclement Weather: UPS shipments can be delayed due to weather or equipment failures. We watch for storms that are expected and try to avoid shipping during those times.

Scheduling: Collect blood on Mon, Tues, Wed, or Thu ship UPS Next Day Air. We take 2 hours to process PRP. We can ship same day if scheduled in advance. Or, we can freeze samples and ship frozen on dry ice.

Adverse Events: If any complications occur, please report to RegenMed@VT.

Holiday Schedule: RegenMed@VT does not accept nor send shipments Wednesday through Sunday of Thanksgiving, nor December 24-January 1 during Christmas and New Year's Day.

FOR BLOOD BASED BIOLOGICS ALONE:

PLATELET RICH PLASMA PROCESSING SCHEDULE:

Collect	Ship	Arrives at RegenMed	PRP Processing	Ship from RegenMed	Arrives at your clinic
Mon	Mon by 4pm	Tues by noon	Tue by 4pm	Tue by 4pm	Wed
Tues	Tues by 4pm	Wed by noon	Wed by 4pm	Wed by 4pm	Thu
Wed	Wed by 4pm	Thurs by noon	Thu by 4pm	Thu by 4pm	Fri
Thu	Thu by 4pm	Fri by noon	Fri by 4pm	Mon by 4pm	Tue



AUTOLOGOUS CONDITIONED SERUM PROCESSING SCHEDULE:

Collect	Ship	Arrives at RegenMed	ACS Processing	Ship from RegenMed	Arrives at your clinic
Mon	Mon by 4pm	Tues	Wed by 4pm	Wed by 4pm	Thu
Tues	Tues by 4pm	Wed	Thu by 4pm	Thu by 4pm	Fri
Wed	Wed by 4pm	Thurs	Fri by 4pm	Mon by 4pm	Tue

EQUINE BLOOD COLLECTION PROTOCOL:

MATERIALS:

- 24 hours prior: freeze four **RegenMed@VT Cryopak ice packs**
- From RegenMed@VT:
 - 4 x 60mL syringes
 - 4 x 9mL 4% sodium citrate anticoagulant vials
 - 4 x Luer Lock caps
 - 2 x sterile pouches
 - Large Ziploc bag
 - RegenMed@VT 15 x 13 x 10" Insulated shipping box
 - Foam liner separators for Cryopak ice packs
 - 4 x 32oz Cryopak ice packs
 - Submission form in medium Ziploc bag
 - UPS Next Day Air shipping label with label pouch
- From your clinic:
 - One person to hold patient, one for venipuncture, and one to assist
 - Sedation
 - Clippers
 - Sterile prep materials
 - Sterile gloves
 - Mepivacaine
 - 18g and 22g 1½" needles
 - 5ml syringe for mepivacaine
 - Scissors

PROCEDURE:

1. Sedate patient, clip and aseptically prep vein
2. Open sterile gloves
3. Place syringe, needles, and sterile pouch onto sterile field



4. Put on sterile gloves and have assistant open sterile syringes
5. Draw up 5 ml mepivacaine
6. Block the site for venipuncture
7. Pre-load each syringe with 9mL of provided sodium citrate anticoagulant
8. Puncture the vein with the 18g blood collection needle
9. Fill ALL 4 syringes to capacity (60mL)
 - a. **Rock syringes ASAP to prevent coagulation**
10. Seal each syringe with provided Luer-Lock caps
11. Seal 2x syringes in each sterile pouch
12. Date and label with the animal's name, client's name, and practice/ RDVM name
13. Put into Ziploc bag and seal
14. Place completed RegenMed@VT Submission Form into medium Ziploc bag
 - a. Be sure to FULLY fill out form
 - b. Record total volume you need for each shipment or treatment time
 - c. Notate any special requests
15. Package so that the samples do not contact the Cryopaks:
 - a. Place two frozen Cryopaks across the bottom of the cooler
 - b. Place 2 foam liner over Cryopak
 - c. Put Ziploc bag containing samples onto foam liner
 - d. Place second set of foam liners over sample
 - e. Place two Cryopaks on top of foam liners
 - f. Place RegenMed@VT submission form on top of Styrofoam, inside shipping box
 - g. Tape the shipping box closed
 - h. Apply the **RegenMed@VT UPS Next Day Air shipping label** on the box
 - i. **BE SURE TO FULLY SEAL LABEL POUCH**

RegenMed@VT

Marion duPont Scott Equine Medical Center

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16. We will notify you if there are problems
17. You will receive the completed, processed sample by noon the day after we ship
 - a. See schedule for blood based biologics alone
 - b. Refer to stem cell protocol for stem cell shipment information