

Osteokine: Safe and aseptic production of PRP (*Platelet Rich Plasma*)



1 With the 60mL syringe and a 20G needle aseptically withdraw 6 mL of Citrate Sodium (all included) Aseptically prepare venipuncture site. Collect 54 mL of whole blood Mix Citrate Sodium and blood gently in syringe.



2 Make sure the white slide lock across the tube on top is locked.



3 Unscrew the red cap on the green plate of the Osteokine device. Transfer blood to compartment bag and rescrew the cap.



4 Place blood filled Osteokine bag system into one empty bucket (remaining as sterile as possible) ensuring the green plate is correctly aligned in the bucket. The peg on the plate must be inserted into the recess of the inner rim of the bucket. Close with screw lid.



5 Fill the counter balance container or bag with 30 mL of water, place in the other bucket and close with the screw lid.



6 Place the counter balance in the centrifuge opposite the Osteokine bag. Centrifuge at **2300 RPMs** for **3 minutes**
*Adjust the amount of water in container if balance is not achieved when centrifugation is started.



7 After centrifugation the RBCs are concentrated at the bottom with the plasma on top.



8 Unlock the slide lock on the tubing on the top of the green plate.



9

With a pair of hemostats or lockable clamps, slowly roll the bag from the bottom upwards filling the other bag with all the plasma.



10

As soon as red blood cells start to flow across the connecting tubing, slide the white slide lock to stop the transfer of any more fluid.



11

Centrifuge at **3000 RPMs** for **10 minutes**.



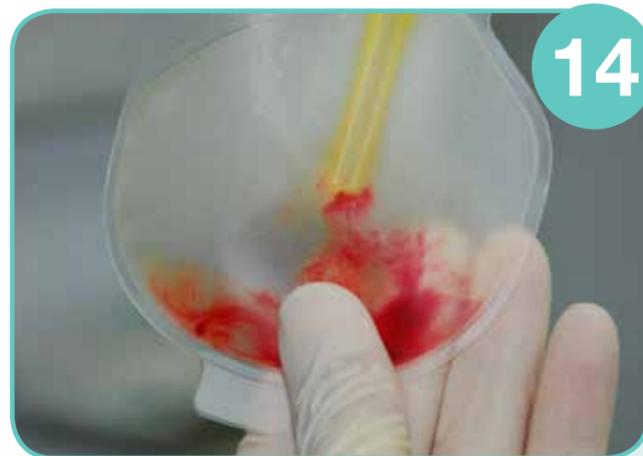
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Carefully remove the Osteokine bag from bucket. You will now see the platelet rich 'pellet' at the bottom of the Osteokine bag.



13

Unscrew the white cap from green plate and use the included 60 mL syringe to decant platelet poor plasma leaving a small residual of 2-5 mL (this will vary depending on what you are treating with PRP).



14

Gently massage the bag with your fingers to mix residual plasma and the platelet pellet.



15

Remove the platelet rich plasma with the included 10 mL syringe. The bag can be emptied by completely inverting it while the PRP is being removed.



16

The final product.

If using for wounds, more platelet poor plasma can be retained in the bag and Calcium gluconate can be added to create a gel.

<5cc of PRP add ½ mL Calcium gluconate
>5cc of PRP add 1 mL Calcium gluconate

For Technical Support or information, contact:
Dechra Veterinary Products at: 866-933-2472 or www.dechra-us.com

