



LoneStar Veterinary Blood Bank
www.lonestarbloodbank.com

Packed Red Blood Cells

Packed Red Blood Cells (pRBCs) from LoneStar Veterinary Blood Bank are concentrated red blood cells that have been removed from whole blood collected in CPD anticoagulant, extended with Optisol nutrient solution, and refrigerated. pRBCs have a 42 day shelf life when stored properly and is thus labeled with a 42 day expiration date. Do not use after expiration date. Our canine blood products are collected in a closed aseptic blood bag system to maintain product quality and safety.

Administration:

1. Warm pRBCs contained in a plastic bag to protect ports in a warm water bath. Do not exceed 98° F
2. Perform cross match before administration.
3. Use an inline or standard blood administration filter when administering any blood product.
4. Transfusion Volume
2.2ml/kg of pRBCs will raise the PCV approx. 1%
Dosage should be determined using patient packed cell volume and desired packed cell volume.
5. Flow Rate:
pRBCs should be administered at 1-3 mls over the first 5 minutes, and then 0.2ml/kg over the first 30 minutes to observe for reactions. After the first 5 minutes, administer at 6-10mls/kg/hr with a maximum of a 4 hour administration time.
6. Average administration time should be 1-2 hours, but may be given over a 4 hour period.

Precautions:

1. Do not mix with Lactated Ringer's Solution or Dextrose. Use NaCl if concurrent fluid administration is needed.
2. Do not use if bag has been damaged or is leaking.
3. Remember to consider blood products in total daily fluid administration so that volume overload is not achieved.
4. Store at 4-6°C.