



# College of Veterinary Medicine Policies and Procedures

Subject: Blood Component Flow Sheet

Section: Small Animal Internal Medicine

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To Be Reviewed Yearly by: AHC Director, Internal  
Medicine Service Chief

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## Blood Component Flow Sheet

See attachment.

Approved: \_\_\_\_\_

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## Blood Component Flow Sheet

Patient Name: \_\_\_\_\_ Date: \_\_\_\_\_ Clinician: \_\_\_\_\_ Student: \_\_\_\_\_

Weight: \_\_\_\_\_ kgs / lbs      Blood Component: \_\_\_\_\_ Amount: \_\_\_\_\_ Donor: \_\_\_\_\_

\* Has this patient received a prior blood transfusion? YES / NO    if yes, did you cross match: YES / NO

\* Suggested administration amounts for blood and blood products:

**Canine Blood Volume to Administer = 90 x Recipient Wt (kgs) x Desired change in PCV** \_\_\_\_\_

**Feline Blood Volume to Administer = 60 mls**      Donor PCV \_\_\_\_\_

\* **Rule for patients on whole blood:** 1ml per 1lb of recipient, to raise the PCV by 1%

\* **Rule for patients on undiluted PRBCs:** 1ml per 1kg to raise PCV by 1%

\* Rough Estimates:

**Whole Blood:** 20ml/kg      **PRBCs:** 10ml/kg

**Fresh Frozen Plasma:** 5-20ml/kg for clotting factors

**Fresh Frozen Plasma:** 20ml/kg to raise albumin by 0.5mg/dl (consider Hetastarch)

\* Suggested administration rates for blood and blood products:

\*\* All products should be given over 4 to 6 hours unless the patient is critical

• \*\* **Normovolemic Rate** 3-6ml/kg/hr

• \*\* **Hypovolemic Rate** 10-20ml/kg/hr

• \*\* **Cardiac/Hypervolemic Rate** 2-4ml/kg/hr

Patients initial PCV / TS: \_\_\_\_\_ Cross Matched: \_\_\_\_\_ Total Volume to be infused: \_\_\_\_\_

Patients Blood Type: \_\_\_\_\_ Donor's Blood Type: \_\_\_\_\_ Initial Donor PCV (From the blood bag): \_\_\_\_\_

Transfusion pre tx Meds: \_\_\_\_\_ Dosage: \_\_\_\_\_ Route: \_\_\_\_\_ Time: \_\_\_\_\_

Initial Rate ( 25% of maintenance rate): \_\_\_\_\_ Final Rate (see above): \_\_\_\_\_

**\*\*Watch for Transfusion Reactions!!!\*\***

(vomitting; diarrhea; increase HR,RR, and temp; angioedema; hypotension; collapse; and hematuria.)

