



## CANINE COMPONENT THERAPY GUIDELINES

Indications	Recommended Component (In Order of Preference)
Anemia	Packed Red Blood Cells (pRBCs) Whole Blood
Acute Hemorrhage	Whole Blood pRBCs & Fresh Frozen Plasma (FFP)
Thrombocytopenia/Thrombocytopathia	Frozen Platelet Concentrate Fresh Platelet Concentrate
Von Willebrand's Disorder or Hemophilia A	Lyophilized Canine Cryoprecipitate Fresh Frozen Plasma
Coagulopathy- Idiopathic	Fresh Frozen Plasma Whole Blood
Hypoalbuminemia	Lyophilized Canine Albumin Frozen Plasma (FP)/Fresh Frozen Plasma
Hemophilia B	Frozen Plasma/Fresh Frozen Plasma Whole Blood
Anticoagulant/Rodenticide Toxicity	Frozen Plasma/Fresh Frozen Plasma Whole Blood

### CANINE DOSAGE AND RATE CHART

Product	Dose	Rate
Packed Red Blood Cells	1 ml/kg for each 1% desired increase in PCV	Initially 5ml/kg/hr Max rate 10-20 ml/kg over 6 hours
Whole Blood	2 ml/kg for each 1% desired increase in PCV	Initially 5ml/kg/hr Max 20 ml/kg over 4-8 hours
Fresh Frozen Plasma or Frozen Plasma	6-15 ml/kg for coagulopathy 30- 45 ml/kg for hypoalbuminemia	Max rate 6-20 ml/kg/hour with goal of 6 hour administration
Lyophilized Albumin	Varies based on indication. See <a href="http://www.ABRInt.net">www.ABRInt.net</a> for dosage summary.	Administer within 6 hours of reconstitution
Frozen Platelet Concentrate	1 unit/10 kg body weight	Administer over 1-2 hours
Fresh Platelet Concentrate	1 unit/10 kg body weight	Administer over 6-8 hours
Lyophilized Cryoprecipitate	1 unit/10 kg body weight	2-5 ml/kg/hour over 2 hours after reconstitution

The recommendations, dosages, and rates on this chart were excerpted from the published veterinary medicine literature. This information is a not a substitute for the veterinarian's clinical judgment based upon the individual patient's condition.

Feline Component Therapy on Reverse



## FELINE COMPONENT THERAPY GUIDELINES

Indications	Recommended Component (In Order of Preference)
Anemia	Packed Red Blood Cells (pRBCs) Whole Blood
Acute Hemorrhage	Fresh/Stored Whole Blood pRBCs & Fresh Frozen Plasma (FFP)
Thrombocytopenia/Thrombocytopathia/Primary Hemostatic Disorder	Fresh Whole Blood Platelet Rich Plasma
Secondary Hemostatic Disorder/ Idiopathic Coagulopathy	Fresh Frozen Plasma Whole Blood
Hypoproteinemia/Hypoalbuminemia	Frozen Plasma/Fresh Frozen Plasma
Neonatal Isoerythrolysis	pRBCs for anemia Frozen Plasma/Fresh Frozen Plasma for maternal antibody substitution
Failure of Passive Transfer	Frozen Plasma/Fresh Frozen Plasma

### FELINE DOSAGE AND RATE CHART

Product	Dose	Rate
Packed Red Blood Cells	1 ml/kg for each 1% desired increase in PCV One unit per 5 kgs body weight	Initially 0.25-0.5ml/kg/hr Max rate 10-20 ml/kg over 4 hours
Whole Blood	2 ml/kg for each 1% desired increase in PCV One unit per 5 kgs body weight	Initially 0.25-0.5ml/kg/hr Max rate 5-10 ml/kg/hour over 4 hours
Fresh Frozen Plasma or Frozen Plasma	5-20 ml/kg One unit per 5 kgs body weight Hypoalbuminemia dosage can be as high as 500 ml/ per 5 kg body weight to raise albumin 1.0 g/dL <i>Albumin deficit in grams = 10 x (Desired albumin minus Patient albumin) x body weight in kg x 0.3 when albumin concentration in plasma is 25-30 g/L</i> Failure of passive transfer dosage- 5 ml SQ at birth, repeat at 12 and 24 hours after birth (15 ml total)	Max rate 6-20 ml/kg/hour with goal of 6 hour administration
Platelet Rich Plasma	One unit per 5 kgs body weight	Administer over 6-8 hours

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