

# Canine Transfusion Formulary



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## Packed Red Blood Cells

Total transfusion time: 6 hours  
1 ml/kg per each 1% ↑ in PCV

Initial rate: 0.5-1 ml/kg/hr for first 15-30 minutes (then based on response and fluid status)  
Fluid overload risk: 4 ml/kg/hr; Normovolemic: 5-10 ml/kg/hr  
Compromised circulation: 1-2 ml/kg/hr

## Whole Blood

Total transfusion time: 4 hours  
2 ml/kg per each 1% ↑ in PCV

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## Fresh or Frozen Plasma

Total transfusion time: 4 hours  
Dosage: 10-20 ml/kg for coagulopathy  
Dosage: 30-45 ml/kg for hypoalbuminemia

Rates in ml/kg/hr

Initial: 0.25-1 for 1st 15-30 min  
Standard: 5-10; Max rate: 10-20

## \*Fresh or Frozen Platelet Concentrate

Frozen: Administer in 2 hours.  
Fresh: Administer in 4 hours.  
Dosage: 1 unit/10 kg

Initial: 0.5-1 for 1st 15-30 min



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The provided information is not a substitute for a veterinarian's clinical judgment based upon the individual patient's condition.

\*Platelet concentrate not available in California.

