

TRANSFUSION MONITORING



PATIENT INFORMATION

Date: ____/____/____

Cage/Kennel #: _____

Weight (kg): _____

DIAGNOSIS

Previous transfusions? Y N Dates:

Previous pregnancies? Y N

REASON FOR TRANSFUSION

Component Used	RCC	FFP	Plasma	Cryo	Platelets
Unit Number					
Size					

RCC Only

Crossmatch Compatible? Yes No Not done

Dosage Guidelines: The rate of transfusion is governed by the clinical condition of the recipient. Blood Products may be transfused as quickly as the patient can tolerate but should be completed within 4 hours. A slow drip for the first 20 - 30 minutes is advised since most acute reactions occur during this time. FFP for von Willebrand's can be given over an 8-12 hour period, and if given pre-surgically, start 1 hour before anesthesia.

COMPONENT	DOSAGE	RATE
Red Cell Concentrate	6 - 10 ml / kg	4 - 6 ml / min
FFP & Frozen Plasma	6 - 10 ml / kg	4 - 6 ml / min
Cryoprecipitate	1 unit / 10 kg	Repeat until bleeding is controlled
Platelet Concentrate	1 unit / 10 kg	Assess platelet count 2 hours post transfusion
Whole Blood	12 - 20 ml / kg	3 - 4 ml / kg / hour

Estimated volume to be infused: _____

Quantitative formula:

$$\text{Dosage (ml)} = \frac{\{\text{Recipient weight [kg]} \times (18 \text{ mL / kg})\} \times \{(\text{PCV desired [L/L]} - \text{Recipient PCV [L/L]})\}}{0.65 *}$$

* 0.65 L/L is the minimum PCV for Red Cell Concentrate. When using whole blood, substitute the PCV (L/L) of the donor as the denominator.

NOTE: To avoid the complication of circulatory overload. FFP, Plasma, and Whole Blood dosages must be calculated as part of the total daily fluid and protein replacement.

If you believe your patient is experiencing a transfusion reaction, please contact the Canadian Animal Blood Bank immediately for next steps.

PATIENT MONITORING

Patient Name: _____

Kennel / Cage #: _____

Transfusion start time: _____

Transfusion stop time: _____

	Pre	15 min	30 min	1 hour	2 hours	12 hours	24 hours
Temperature							
Pulse Rate							
Respiration							
Attitude							
Colour, CRT							
Skin							
Urination							
Defecation							
PCV							
Platelet Count (when infusing platelet concentrate)							
Initials							

NOTES / REACTIONS: _____
