

Blood Products Volume	Product Information Transfusion Reaction includes chills, shaking, flushing, hives, SOB, and infusion site discomfort	Transfusion Time - Each unit not to exceed 4 hours	Crossmatch No Crossmatch Needed	Flush Bag Needed
RBC 1 bag is approx. 300 mL.	Autologous RBC-are products collected from the patient prior to surgery Aliquot-(smaller amounts) Blood can be ordered in aliquot to prevent volume overload	2-4 hours or as patient can tolerate	Crossmatch	Yes Use 500 mL of Normal Saline for priming and flushing
Platelets 1 bag is approx. 250 mL.	This product is from multiple donors. Apheresis is a unit obtained from a single donor	30-60 minutes or as patient can tolerate	No Crossmatch needed	No Flush with 10 mL Normal Saline after infused
FFP 1 bag is approx. 300 mL.	Anticoagulated clear liquid portion of blood Requires 20-30 minutes of thawing	1-2 hours or as patient can tolerate	No Crossmatch needed	Yes Use 500 mL of Normal Saline for priming and flushing
Cryoprecipitate Antihemophilic Factor 1 bag is approx. 100 mL.	It is a preparation containing Factor VIII and fibrinogen from a unit of whole blood Requires 20-30 minutes of thawing	30-60 minutes or as patient can tolerate	No Crossmatch needed	No Flush with 10mL Normal Saline after infused

BLOOD CALCULATION

<http://www.manuelsweb.com/gttPerMin.htm>

$$\frac{300}{4} \times \frac{10}{60} = \frac{3000}{240} = 12.5 \text{ gtt/min (4 hours infusion)}$$

(3 hours infusion= 17gtt/min) (2 hours infusion= 25gtt/min) (1 hour infusion = 50gtt/min)

BLOOD COMPATIBILITY

O Neg-Universal Donor AB Pos- Universal Recipient

PATIENT TYPE	ACCEPTABLE BLOOD
O Pos	O Pos, O Neg
O Neg	O Neg
A Pos	A Pos, A Neg, O Pos, O Neg
A Neg	A Neg, O Neg
B Pos	B Pos, B Neg, O Pos, O Neg
B Neg	B Neg, O Neg
AB Pos	Any type
AB Neg	AB Neg, A Neg, O Neg, B Neg

Blood clot tube can be drawn as long as 7 days prior to surgery but only good for 3 days once patient is admitted