Lab Dept:	Transfusion Services	
Test Name:	FFP/FP (THAWED PLASMA) TRANSFUSION	
General Information		
Lab Order Codes:	TFFP	
Synonyms:	Fresh Frozen Plasma; FFP; Frozen Plasma; FP; Fresh Frozen; Thawed Plasma; TPL	
CPT Codes:	P9017 – FFP P9059 - FP	
Test Includes:	Plasma from a unit of whole blood is separated from the red blood cells within 8 hours of collection (FFP), or 24 hours of collection (FP), and frozen rapidly. Volume approximately 200 - 300 mL	
Logistics		
Test Indications:	Refer to Guidelines for Transfusion	
	Useful for the treatment of coagulation factor deficiencies for which specific factor concentrates are not available, and for massive acute blood loss with massive red cell transfusion.	
Lab Testing Sections:	Transfusion Service	
Phone Numbers:	MIN Lab: 612-813-6824	
	STP Lab: 651-220-6558	
Test Availability:	Daily, 24 hours	
Turnaround Time:	30 - 40 minutes	
Standard Dose/Volume:	Patient Weight:	Std Dosage:
	<20 kg	10 – 20 mL/kg
	20 – 40 kg	1 adult unit
	>40 kg	2 adult units
Rate of Infusion:	1 – 2 mL/minute	

<ul> <li>AVI pump with 150 – 260 micron blood component administration set.</li> <li>Volume ≤60 mL may be issued by the Transfusion Service in prefiltered syringes. Use a syringe pump.</li> </ul>	
Thawed Plasma must be ABO compatible. Rh need not be considered. Type and Screen or Crossmatch is not required.	
Not required	
Indicate volumes in mL's or number of units needed; time and date needed; and indication for transfusion.	
5 days after thawing if maintained in a closed system, or within 24 hours if entering the system. Aliquoted Thawed Plasma transfusions must begin within 4 hours of preparation.	
Refer to <u>ABO/Rh</u> if patient testing is required.	
The patient must have a Medical Records band for checking against the component Unit Tag and the Transfusion Request Order Form prior to administration.	
Use coagulation studies as a guide to the transfusion of Thawed plasma.	
Request may be questioned if coagulation studies are normal.	
The use of Thawed plasma can cause hypervolemia in a normovolemic patient. Cryoprecipitate is a better source of fibrinogen.	
Frozen at -18°C or lower, FFP/FP has a shelf life of 1 year. Thawed at 37°C with agitation in a waterbath, using a plastic overwrap. Thawing requires 15-30 minutes depending on the number of units being thawed FFP/FP is relabeled as Thawed Plasma. Once thawed, store in Blood Bank refrigerator and transfuse within 5 days if maintained in a closed system, or within 24 hours if the system is entered.	

Contraindications:	<b>Do not</b> use Thawed Plasma prophylactically to prevent dilutional coagulopathy in large transfusions.	
	<b>Do not</b> use Thawed Plasma as a plasma expander; consider crystalloids or albumin as an alternative.	
	Specific therapies for defined coagulopathies, such as cryoprecipitate or specific factor replacement in hemophilia A or von Willebrand's disease should be given instead of Thawed Plasma when appropriate.	
	The use of Thawed Plasma will be audited if the INR is <1.4 or the activated partial thromboplastin time is <51 seconds unless there is abnormal bleeding. Additional Information Hazards:	
	Risks include:	
	<ul> <li>Risk of disease transmission (Hepatitis B, C and HIV)</li> <li>Plasma volume overload.</li> <li>Antibody to A antigen (anti-A) and/or B antigen (anti-B).</li> <li>Anaphylaxis in IgA deficient recipients. Although Thawed Plasma is essentially a cell-free product, it does contain plasma proteins (antigens). Recipients may have fever and mild to severe allergic reactions.</li> </ul>	
References:	<u>Circular of Information of the Use of Human Blood and Blood</u> <u>Components</u> (current edition) AABB and American Red Cross, America's Blood Centers	