



Fresh Whole Blood (Within 6 hours of collection)

For: Anemia, Coagulopathy, Thrombocytopenia

Has: All clotting factors, plasma proteins, RBC's, oncotic proteins (albumin), electrolytes and platelets

Stored Whole Blood (3 week shelf life)

For: Anemia and Coagulopathy

Has: Plasma proteins, RBC's, some clotting factors, oncotic proteins (albumin), electrolytes, and after 6 hours of collection, significant loss of Factors V, VIII and vWF and platelets become non-viable once refrigerated

Packed Red Blood Cells

(Shelf life depends on preservative)

For: Symptomatic deficit of oxygen carrying capacity due to red blood cell loss, without substantial hypovolemia or coagulopathy

Has: Red Blood Cells

Fresh Frozen Plasma

(Good for 1 year from collection date)

For: Coagulopathy – All factor deficiencies, Hypoproteinemia

Has: All clotting factors, plasma proteins

Platelet Rich Plasma (6 hour shelf life)

For: Thrombocytopenia

Has: All clotting factors, plasma proteins, platelets

Frozen Plasma

(Good for 5 years from collection date. If thawed or past 1 year of collection, significant loss of Factors V, VIII and vWF activity)

For: Hypoproteinemia, Hemophilia B and Coagulopathies such as Vitamin K inhibiting toxicities

Has: Some clotting factors, plasma proteins

Cryoprecipitate

(Good for 1 year from collection date)

For: Hemophilia A patients, Von Willebrand disease

Has: Factors VIII and XIII, vWF, fibrinogen

Cryopoor

(Good for 5 years from collection date)

For: Hypoproteinemia, Hemophilia B and Coagulopathies such as Vitamin K inhibiting toxicities

Has: Plasma proteins and all of the other clotting factors (including II, VII, IX and X)

Notes on Defrosting

- Water temperature should not exceed 37°C in warm water bath.
- After blood product is 50% defrosted, you should not re-freeze, expires in 24 hours.