

# Blood Bank QUALITY



Typical Blood Bank

SpecPlasma collects young FFP by apheresis

Whole blood is collected for the purpose of dividing the components

No chemical treatments or filtration

Blood is stored on a Mobile Unit for up to 6-hours, before being divided into components and frozen to - 30°C

Or

If whole blood is able be stored at 1°-6°C, FFP can be made within 24-hours

Units are immediately frozen to -80C using Blast freezer

FFP is treated in a three step processes:

1.Filtration

2.Chemically treated with Methylene Blue

3.Units treated under UV light for 30 min

All units are tested and maintained at -80C before they are released for sale

Units are tested and released for sale the next day

Proteins unaffected

Units frozen in 8-hours have 15-20% less factor VIII and Fibrinogen

Units treated with Methylene Blue/UV Light have 10% fewer coagulation factors

20% less factor VIII

50% less potent S-Protein

Plasma frozen after 8 hours, which undergoes filtration, Methylene Blue/UV Light can incur up to a 58% deterioration of essential factors and proteins compared to FFP collected at SpecPlasma.

# The LEADER in Quality

At our state of the art Apheresis Center, we collect plasma from **healthy college-aged students** using **industry-leading standard**



**SPECTRUM PLASMA**  
MAKING LIVES BETTER®

# 1

## WE CONDUCT THE MOST COMPREHENSIVE TESTING

All SpecPlasma donors are pre-tested before they ever donate a single unit of plasma. This means we have virtually eliminated the risk of collecting a viral marker-positive unit

SpecPlasma ensures all donors who give plasma for infusion have total protein levels between 6g/dl-9g/dl with normal protein fractions. This not only protects the donor, but ensures the protein levels in the plasma are also healthy

All female donors are tested for antibodies to HLA which are known to cause a rare lung condition

SOURCE PLASMA	BLOOD BANKS	SpecPlasma	TESTS
		<input checked="" type="checkbox"/>	All donors are pre-tested before testing
	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Mean corpuscular volume AND the hematocrit
		<input checked="" type="checkbox"/>	Human Leukocyte Antigen (HLA)
<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	Two sets of negative tests before donor acceptance
<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	Serum Protein Electrophoresis and Total Protein
	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Human T-Lymphotropic Virus Antibody
	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Cytomegalovirus
	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	West Nile Virus Nucleic Acid
	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Trypanosoma cruzi (Chagas)
	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	ABO/Rh
	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Zika Virus
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	HIV I-II/HCV/HBV Nucleic Acid Testing
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Syphilis
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Hepatitis B surface Antigen
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Hepatitis B core Antibody
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Hepatitis C Virus Antibody
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Human Immunodeficiency Virus Antibody

# 2 VOLUNTEER DONATED



# 3 AGE & GENDER ID



18-25 year-old  
Female Donor



18-25 year-old  
Male Donor