

WHAT ARE PLASMA PROTEIN THERAPIES?

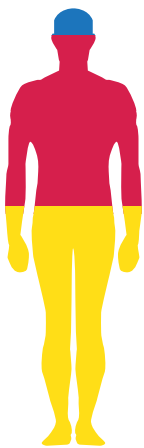
Plasma protein therapies are:

- Lifesaving biologics
- Treatment for rare diseases
- Replacement therapies
- Plasma-derived (recombinant alternatives available for several bleeding disorders)
- Infused or injected, some can be home-infused

THE FOLLOWING APPLIES TO PLASMA-DERIVED THERAPIES:

Plasma is the straw-colored liquid portion of blood that remains after red blood cells, white blood cells, and platelets are removed.

STARTING MATERIAL



YOUR BLOOD IS:

55% PLASMA
44% RED BLOOD CELLS
1% WHITE BLOOD CELLS & PLATELETS

YOUR PLASMA IS:

92% WATER
7% PROTEINS
1% OTHER SOLUTIONS

TIME TO MANUFACTURE THERAPIES

- » ALBUMIN
- » ALPHA-1 PROTEINASE INHIBITOR
- » C1 ESTERASE INHIBITOR
- » COAGULATION FACTORS
- » IMMUNOGLOBULINS

