

# APHERESIS

See Special Issue of [\*J Clin Apher\* 2007 June;22\(3\):95 – 183.](#)

Use above for:

- Apheresis indication categories
- Detailed evidence for use in a given disease process

## USEFUL FORMULAS & FAQs

Plasma volume = total blood volume x (100-hct %)

Assuming a normal hct, plasma volume can be estimated at 40 cc/kg

Total blood volume = weight (kg) x 70 mL

Red cell volume = total blood volume x (hct% / 100)

Anticoagulant is typically citrate unless the patient is already on therapeutic anticoagulation or has underlying severe coagulopathy/liver disease

Replacement fluid is typically a 2:1 ratio of albumin:saline except in TTP, bridge to liver transplantation, or for factor inhibitors where the replacement fluid is typically FFP. Supplementing with FFP should be considered if the patient has had/will have a recent invasive procedure and albumin:saline is the replacement fluid

All medications should be dosed after plasma exchange if possible

Schedule of plasma exchange is disease dependant and modified based on response and tolerance.