

ALBUMIN 25%

OTHER NAMES	Albumin 25%, Albumin (Human) 25% Solution USP, Alburex® 25, Octalbin® 25%
PRODUCT COMPOSITION	Hyperoncotic sterile solution of albumin in an aqueous diluent. Made from pooled human plasma. Contains no preservative. Oncotically equivalent to approximately five times its volume of human plasma.
INFORMED CONSENT	Mandatory
ALTERNATIVES	Non-blood Product: Plasma volume expanders (i.e. Pentaspan®) should be considered for volume expansion.
	Blood Product: Choice between 5% and 25% depends on whether patient requires primarily volume (5%) or primarily colloid osmotic activity (25%).
DOSAGE	Dependant on clinical situation. Total dose should not exceed normal body level of albumin i.e. 2g/kg in the absence of active bleeding. Will expand plasma volume by 3 to 4 times the amount delivered.
ADMINISTRATION	<p>In hypoproteinemic patients rate of administration should not exceed 2mL/min. Because it is hyperoncotic, it should be given with or followed by additional IV fluids.</p> <ul style="list-style-type: none"> • Supplied to unit as provided by manufacturer, in a bottle • Intravenous administration only
DIAGNOSTIC MONITORING	Patient should be monitored for possible circulatory overload. Patients with history of heart failure, renal insufficiency or stabilized chronic anemia are at increased risk. Vital sign monitoring as per hospital policy for any blood, blood component and other related product. In the event of an immediate or suspected transfusion reaction, refer to hospital policy and procedures.
CLINICAL INDICATIONS	<ul style="list-style-type: none"> • Recent literature suggests there are few clinical indications for albumin. Cochrane review found poorer outcome in burn patients treated with albumin. SAFE trial found there was no benefit of albumin over saline for fluid resuscitation in ICU setting. • Used in situations of large volume paracentesis with liver failure.
SPECIAL CONSIDERATIONS	Because it is produced from human plasma it has the potential for transmission of viruses.
STORAGE CONDITIONS	Stored in a TM-monitored blood product storage area 2 to 25°C
REFERENCES	<p>Review product monograph</p> <ul style="list-style-type: none"> • Compendium of Pharmaceuticals and Specialties (CPS) 2004 • Circular of Information, Canadian Blood Services Feb 2011 and www.blood.ca • “A Comparison of Albumin and Saline for Fluid Resuscitation in the Intensive Care Unit.” <i>New England Journal of Medicine</i> (2004;350); 2247-56. • Alderson, P et al. “Human albumin solution for resuscitation and volume expansion in critically ill patients.” <i>Cochrane Database Syst Rev</i>. 2002; (1): CD001208.