

Blood Group Compatibility

Patient's Blood Group	Can Accept Blood From			
	Red Cells	Plasma	Cryoprecipitate	Platelets (*See below)
O positive	O positive or O negative	Any O, A, B or AB	Any O, A, B or AB	Any O, A, B or AB Can be given either Rh positive or Rh negative platelets based on inventory.
O negative	O negative	Any O, A, B or AB	Any O, A, B or AB	Any O, A, B or AB Rh negative platelets will be given whenever possible.
A positive	A positive, A negative, O positive or O negative	Any A or AB	Any A, O, then B or AB	Any A or AB Can be given either Rh positive or Rh negative platelets based on inventory.
A negative	A negative or O negative	Any A or AB	Any A, O, then B or AB	Any A or AB Rh negative platelets will be given whenever possible.
B positive	B positive, B negative, O positive or O negative	Any B or AB	Any B, O then A or AB	Any B or AB Can be given either Rh positive or Rh negative platelets based on inventory.
B negative	B negative or O negative	Any B or AB	Any B, O then A or AB	Any B or AB Rh negative platelets will be given whenever possible.
AB positive	AB positive, AB negative, A positive, A negative, B positive, B negative, O positive or O negative	AB	AB	AB Can be given either Rh positive or Rh negative platelets based on inventory.
AB negative	AB negative, A negative, B negative or O negative	AB	AB	AB Rh negative platelets will be given whenever possible.
Unknown	Group O	Group AB	Group A for adults	*See below
Neonates			Group compatible or AB	
Rh Positive	Can be given either Rh positive or Rh negative red cell units based on inventory.			
Rh Negative	Children and women of child-bearing age will receive Rh negative units except in emergency situations. All others can receive Rh positive blood in emergency situations if they do not have an Anti-D. For the purposes of transfusion medicine in Saskatchewan, a child is defined as less than 18 years of age and a woman of child-bearing age is defined as less than 50 years of age.			
Patients with antibodies	Units must be ABO and Rh compatible and antigen negative for the patient's antibody. Unmatched O negative red cells may not be suitable in an emergency situation.			
*Bleeding Patients	*Bleeding patients (surgical, trauma, GI bleed, etc.) will be issued the oldest platelets first regardless of ABO; however, ABO specific or ABO plasma compatible platelets (see chart) will be issued if available.			



Thank you for your partnership in transfusion safety!