

PLATELETS HLA Matched

OTHER NAMES	HLA Matched Apheresis Platelets, HLA Platelets, HLA Matched Single Donor Platelets
PRODUCT COMPOSITION	Single donor apheresis platelets which have been matched to the patients HLA type or the closest match possible
INFORMED CONSENT	Mandatory
ALTERNATIVES	Non-blood Product: None
	Blood Product: Single donor apheresis platelet (ABO matched also preferred) is a preferred choice to random donor platelets, if HLA matched platelets are not available.
DOSAGE	The number of units of platelets to be administered depends on the clinical situation of each patient as well as availability of HLA matched platelets <ul style="list-style-type: none"> A single unit is equivalent to one adult dose
ADMINISTRATION	<ul style="list-style-type: none"> Rate of infusion should be as ordered by physician <ul style="list-style-type: none"> Usually 1 dose given over 60 minutes Slow rate 2 ml/minute Average rate (after initial 15 minutes) 4-10 ml/minute Use Standard Blood Administration set with 170-260 micron filter, using gravity flow Maximum infusion time is 4 hours Compatible with 0.9% NaCl
DIAGNOSTIC MONITORING	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 <ul style="list-style-type: none"> Response to platelet transfusion should be assessed by obtaining a 60 minute post transfusion platelet count
CLINICAL INDICATIONS	<ul style="list-style-type: none"> Refer to www.pbco.ca for guidelines for platelet transfusions Bleeding due thrombocytopenia with platelet allo-immunization caused by antibodies to HLA antigens
SPECIAL CONSIDERATIONS	<ul style="list-style-type: none"> Requires a Type and Screen from current admission Must be special ordered from Canadian Blood Services (CBS) Ordering physician completes CBS requisition for HLA matched platelets. Requisitions available from Transfusion Medicine (TM), local 68003. TM will fax completed form to CBS TM supplies requisition and instructions for collection of specimens for HLA antibody screen and forwards specimens to CBS Allow approximately 1 week for investigation and processing HLA typing of the patient (if not already available) is needed HLA Matched Platelets must be IRRADIATED to avoid risk of graft vs host disease ABO compatible preferred but HLA typing is the priority
STORAGE CONDITIONS	DO NOT REFRIGERATE PLATELETS <ul style="list-style-type: none"> Stored in a TM-monitored blood product storage area at 20-24°C Gently agitate during storage and immediately prior to transfusion
REFERENCES	<ul style="list-style-type: none"> American Association of Blood Banks, (2003) <i>AABB Technical Manual 14th Edition</i> Circular of Information, Canadian Blood Services February 2011 and www.blood.ca Canadian Society of Transfusion Medicine: Standards for Transfusion Medicine, Version 3 February 2011