

Transfusion of Blood and Blood Products Algorithm

Verify Prescriber Orders and Consent Obtained

Obtain Pre-Transfusion Sample (if applicable)

<p>Products which require Type and Screen (requisition XM 101)</p> <ul style="list-style-type: none"> • RBC's • Emergency RBC's • Rhlg <p>Patients with no ABO on CBS record require a second sample to confirm ABO Patient will receive 0 Blood until confirmation of ABO with second sample drawn by lab</p>	<p>Products which do NOT require Type and Screen</p> <ul style="list-style-type: none"> • Albumin • IVIG • Beriplex/Octaplex – MD to fill out Request for PPC form and send to lab to obtain product (Form #160-INV-168) • C1 Esterase – MD must consult on-call Immunologist HSC 	<p>Rhlg</p> <ul style="list-style-type: none"> • Draw Rh sample • (requisition "Request for Perinatal Testing – Rh 101) <p><u>Call Lab</u> for further direction (if instructed, complete requisition XM 104):</p> <ul style="list-style-type: none"> • Plasma • Platelets • Cryoprecipitate
--	---	---

***NOTE that not all products are available at all sites. Check with local lab regarding availability of specific products.**

If Nurse drawing Type and Screen – follow instructions on requisition XM 101 to draw sample
 LABEL TUBE AT BEDSIDE – AFFIX CBS STICKER TO TUBE-INSERT TUBE IN CLEAR PLASTIC BAGGIE – send to lab with RX

Prepare for Transfusion:

- Check for Transfusion Medicine Results Report and verify availability of product (lab to notify ward when specially ordered product has come in)
- Confirm Consent signed
- Confirm Prescriber's order—product type, strength, concentration, duration
- ID Band confirmed and on patient. If no PHIN – refer to MHR number as second identifier (not Birthday)
- IV or CVAD in situ
- Teaching completed including providing patient with [Blood Transfusions What You Should Know](#)
- Perform Physical Assessment

SEE BLOOD PRODUCT MONOGRAPHS found on [Transfusion Manitoba](#) website FOR SPECIFIC PRODUCT INSTRUCTION
Emergency Blood – Consider IV fluid warmer for rapid transfusion. If using pressure cuff – pressure not to exceed 300 mmHg

Obtain Blood Product

- Complete Request for Release of Blood/Blood Component/Derivative form (In Regional/Traceline sites: fax form to lab and call lab to notify of fax).
 - **Proceed to Blood Bank** - Transporter brings original Request for Release of Blood Form to Blood Bank and will sign out product as directed by lab staff following clerical and visual check performed with lab staff. Blood product to be handed to unit nurse on return to ward
- May sign out 2 units of Emergency Blood if extreme emergency and patient has 2 IV's to run**

Perform Two Nurse Verification

- Product Check – Compare information on Physician order, Demographic Sheet, Transfusion Medicine Result Report, Blood Product ID label, attached Issue Tag, and Record of Transfusion.
- Bedside Check – Compare patient first and last name and PHIN on ID band with product label. If possible have patient spell first and last name
- Note Expiration Date and perform final inspection of product

Begin Transfusion with instructions as per Blood Product Monographs

- Document VS and Interventions on Cumulative Blood Product Record.
 - Monitor for and report transfusion reactions [Transfusion Reaction Algorithm](#)
- PRODUCT MUST BE INITIATED WITHIN 60 MINUTES FROM REMOVAL FROM BLOOD BANK FRIDGE.**
(If this is not possible to be returned to lab tech for re-issue into blood bank fridge)

Post Transfusion

- Perform physical assessment of patient
- Complete documentation
- Provide patient teaching "After Receiving a Blood Product: Patient Information Sheet"
- Provide patient with Blood Product Patient Notification Record
- **Return Record of Transfusion (with start date and time of infusion recorded) to Blood Bank after Transfusion completed. Emergency Record of Transfusion requires signature of physician**