

TM40-05.016 Receipt and Handling of Blood Products via Pneumatic Tube

Applicability

Compliance with this document is required by all Alberta Health Services employees, members of the medical and midwifery staffs, students, volunteers, and other persons acting on behalf of Alberta Health Services (including contracted service providers as necessary).

Definitions

Blood Components	The therapeutic parts of blood used for transfusion, namely, packed red blood cells, plasma, fresh frozen plasma, platelets and cryoprecipitate. Referred to in Epic as blood products.
Blood Products	A category of proteins that may be prepared from large pools of donor plasma or derived from non-human sources. Aka plasma protein products (PPP) or fractionated plasma products. Referred to in Epic as derivatives.
PTS	Pneumatic Tube System
TM	Transfusion Medicine

Procedural Notes

- 1. Refer to the AHS Transfusion of Blood Components and Blood Products Policy for information on obtaining and transfusing blood components and blood products.
- If a delay in transfusion is expected, the blood component or product should be returned to the issuing Transfusion Medicine location immediately.
 - 2.1. If initiation of transfusion is delayed for more than 60 minutes, the transfusion may still be started provided the unit is transfused within **four** hours of issue time.
 - 2.2. Small volume aliquots of red cells (less than 100mL) that are transported via PTS will not be returned to inventory due to significant temperature increases during transport.
- 3. Emergency Unmatched red blood cells may be issued via the pneumatic tube without patient identifiers.
- 4. It is at the discretion of the Transfusion Medicine staff to determine if the product may be sent via PTS. Blood components or products which are difficult to replace may not be sent by PTS due to risk of breakage (e.g. patient has multiple antibodies or product is very expensive).
- Bubbles or foam may be present in albumin and IVIG units received via the PTS. If time permits, allow the unit to sit for the bubbles to settle. Looping or taping up the dependent tubing or backflushing the line with normal saline has also reduced foaming.



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Procedure



Blood components or products may only be sent via PTS if the products have been validated for that site and pneumatic tube station. Please contact your local Transfusion Medicine Department if you are unsure which PTS stations are serviced and what products are available by PTS.

Step	Action						
	ceiving Blood Component or Product						
1.	Blood component or product is sent.						
		omponent/produc		Then			
	Is ready a	t time of request		It will be	sent via PTS.		
	Is not read	dy at time of reques	st	Transfusion Medicine staff will notify the patient care unit			
						dy, TM staff will notify the	
					are to alert them to che	ck the PTS.	
	Does not arrive			Notify Tra	ansfusion Medicine.		
2.	Upon arrival, retrieve the carrier from the PTS.						
	Note: Some sites use Secure Send and will require a code to retrieve carrier. If the code is not						
						e of the code, please contact	
		ΓM department (see					
3.	Remove the blood component or product from the plastic bag and TransLogic/Adanac bag, if present.						
4.		blood component					
	If		Ther				
		ars, or cracks			017 Pneumatic Tube D	econtamination.	
		essive foaming,	Proc	eed to ste	p 11.		
	or bubble	S					
5.						that the patient and blood	
					information on the slip.		
	If information Then						
	Matches			mplete the slip by printing your name and recording the time			
	Digaranan	.1		eceipt.			
	Discrepant Proceed to step 11.						
Retur	ning Pneun	natic Tube and Ma	teria	ls			
6.						a TransLogic/Adanac bag,	
		ealed plastic bag w					
7.						ouch of the plastic bag or	
		Adanac bag (whic					
			•		d components/products	s issued via PTS.	
8.		in pneumatic tube o			adiain a		
9.	Send pried Site	matic tube back to PTS Station #	Trans	Site	PTS Station #	1	
	ACH	130		SCH	6	1	
	FMC	70		SHC	62		
	GPRH	100	\dashv	SMHC	3	1	
	MHRH	131 or 232	\dashv	UAH	14 or 25	1	
	RAH	56	\dashv	- C/ (()	1 1 01 20	J	
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Step	Action						
10.							
	within 30 minutes of issue time. If not received within 30 minutes, TM staff will call the patient care						
D = (unit to follow-up. rning Blood Component or Product in Case of Discrepancy or Issue (as required)						
	Contact Transfersion Medicine	tauct in Case of Discrepancy or Issue (as required)					
11.	Contact Transfusion Medicine staff and inform them of the specific issue and that the blood component/product will be sent back via PTS.						
	Do not send broken, opened, or spiked units via PTS. This includes empty blood bags being returned for transfusion reaction investigation. These must be hand delivered to Transfusion Medicine.						
	See the Contact Information section below for site-specific phone numbers.						
12.	Complete the PTS Blood Product Receipt Notice slip, if used, by printing your name and recording						
	the time of receipt.						
13.	If	Then					
	You have received training regarding repacking blood components/products in the PTS	Proceed to step 14.					
	You have not received	Either:					
	training regarding repacking blood components/products	Have someone trained to do so proceed to step 14. OR					
	in the PTS	Return the blood component/product immediately to Transfusion Medicine by hand.					
	Note: Training on how to repack blood components/products for transport in the PTS can be arranged, dependent on zone availability, by contacting the Transfusion Safety Team (see contact information below).						
14.	Repack the blood component or product into the plastic bag.						
	If blood component or product received	Then					
	Wrapped in a towel or	Rewrap the blood component/product in the material prior to					
	absorbent material	placing in the plastic bag.					
	In a TransLogic/Adanac bag	Place the plastic bag into the TransLogic/Adanac bag and seal.					
15.	See steps 7-9 for instructions on returning the repacked bag in the PTS.						



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Contact Information

APL Transfusion Medicine

Site		Phone Number
ACH	Alberta Children's Hospital	403-955-2332
FMC	Foothills Medical Centre	403-944-1367
GPRH	Grande Prairie Regional Hospital	825-412-4331
MHRH	Medicine Hat Regional Hospital	403-502-8648 ext 1549
RAH	Royal Alexandra Hospital	780-735-4382
SMCHC	Sheldon M Chumir Health Centre	403-955-6178
SHC	South Health Campus	403-956-1344
SCH	Sturgeon Community Hospital	780-418-8257
UAH	University of Alberta Hospital	780-407-8802
APL Transfusion Safety Team		<u>Transfusion.SafetyTeam@albertaprecisionlabs.ca</u>

Sample PTS Blood Product Receipt Notice

APL Transfusion Medicine Blood product and derivative receipt notice for pneumatic tube If received in error – contact Transfusion Medicine ASAP				
Patient name Unit # / Lot # and Sublot #	pMRN			
Patient Care Unit	Tubed to #			
Tech#	Date / Time			
TO BE COMPLETED BY WARD UPON RECEIPT OF BLOOD PRODUCTS				
Received by	 Return all packing materials 			
Time received	 Receipt notice MUST be returned to TRANSFUSION MEDICINE immediately. 			
CH-0358 Feb 2022				

References

PS-59 Transfusion of Blood Components and Blood Products Policy. AHS. 15 February 2022.