



# Transporting blood products from the SH laboratory to JK W & C Newborn Services via the Pneumatic Tube System (PTS).



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## What blood products can be transported via the PTS?

The following blood products have been validated for safe transport from the SH lab to PTS receiving station 8 Level 5 Newborn Services:

- RBC x1 unit

## How will other blood products be transported to Newborn Services?

All other blood products will be issued on a per patient basis and collected from the SH transfusion laboratory by a WH staff member as per current practice.

## How long does it take to transport blood products from the SH lab to JK W&C Newborn Services?

During validation testing the time from issue in the SH lab to arrival at PTS receiving station 8 was 1 min 53 secs.

## How do I request blood products for transport via the PTS?

- Where time permits a Dorevitch Pathology Blood Product request form with all patient identifiers, blood product requested, contact number and the clinical area that the blood product is to be transported should be completed. The completed request form can be sent to the SH laboratory via the PTS .
- **Urgent requests and MTP activation must be telephoned** to the SH transfusion laboratory ext. 51480 and include patient details, blood product requested, a contact number and the clinical area where the blood product is to be transported to e.g. Newborn Services.

## The PTS basics

- The PTS carriers for general use e.g. transporting specimens to pathology are red topped.



- The PTS carriers for transporting blood products via the PTS are blue topped and lined with bubble wrap. Note: red topped carriers can be used if needed.



- The PTS stations in JK W&C are programmed to send all PTS carriers to SH Pathology. Priority is given to blue topped carriers transporting urgent blood products to Theatre, Birthing & Newborn Services





- Swipe access using an authorised individual's staff ID is required to unlock the PTS receiving cupboard door and retrieve PTS carriers.



# Issue, transport and receiving blood products transported via the PTS

- A completed request form is sent to the lab or a phone call is received by the blood bank scientist for blood products.
- The scientist will issue the blood products and compatibility form as per current practice.
- The scientist will complete a BLOOD PRODUCT VERIFICATION RECEIPT FOR PNEUMATIC TUBE SYSTEM (PTS) form that will accompany the blood product(s). This is a National Pathology Accreditation Advisory Council (NPACC) requirement.

Western Health  <b>BLOOD PRODUCT VERIFICATION RECEIPT FOR PNEUMATIC TUBE SYSTEM (PTS)</b> 				
<b>PATIENT DETAILS</b> (completed by Dorevitch Scientist) Family name: ..... Given Name: ..... DOB: / /      UR: .....		<b>DISPATCH DETAILS</b> (completed by Dorevitch Scientist) <b>Blood Product:</b> <input type="checkbox"/> Red cells x 1 unit <input type="checkbox"/> Red cells x 2 units <input type="checkbox"/> FFP x 1 unit <input type="checkbox"/> Platelets x 1 bag <input type="checkbox"/> FC (Theatre only) <b>Dispatched to:</b> <input type="checkbox"/> Birthing <input type="checkbox"/> Theatre <input type="checkbox"/> SCN Date: / /      Time: ..... Scientist name: .....		
<b>Donation/Unit number:</b> (Completed by issuing Dorevitch scientist)	<b>BLOOD PRODUCT RECEIVED DETAILS</b> (completed by receiving WH staff member). Upon receiving the blood product(s), the receiving staff member <b>must</b> check the patient and product details are correct. <b>DO NOT</b> commence if any discrepancies – contact the laboratory. Complete this form and return immediately to the laboratory via the PTS canister.			
		<b>Correct unit (s) &amp; time received</b>	<b>Ward/Unit</b>	<b>Receiving staff member name and designation</b>
1. ....	<input type="checkbox"/> Yes	..... .....	<input type="checkbox"/> Birthing <input type="checkbox"/> Theatre <input type="checkbox"/> SCN	Name:..... Designation: <input type="checkbox"/> RN <input type="checkbox"/> RM <input type="checkbox"/> MO <input type="checkbox"/> TTech Other: .....
2. ....	<input type="checkbox"/> Yes			
<b>Note:</b> If the blood product is no longer required or there is expected to be a delay in transfusion the blood product <b>MUST</b> be returned to the transfusion laboratory <b>within 30 minutes of the dispatch time.</b>				

- The scientist will place the blood product in a zip lock bag and place the bag and forms inside the PTS carrier lined with bubble wrap.
- The scientist will then call the number provided with the request to advise that the PTS carrier is being sent to the nominated PTS receiving station. This is why it is vital a contact number is provided with any written or verbal request.
- On arrival at the PTS receiving station the receiving staff member (any designation) retrieves the carrier from the PTS receiving cupboard (swipe card access).
- The receiving staff member must remove the blood product(s) from the carrier and perform a quick check to ensure the right blood product has been sent for the right patient and document the time received on the BLOOD PRODUCT VERIFICATION RECEIPT FOR PNEUMATIC TUBE SYSTEM (PTS) form.



DONOR DETAILS (completed by Donor Station)		RECIPIENT DETAILS (completed by Receiving Station)	
Donor Name: <u>Donor</u>	Donor ID: <u>3557354</u>	Receiving Station: <u>Transfusion Lab</u>	Receiving Staff Name: <u>Simon</u>
Donor Date: <u>3/27/17</u>	Donor Time: <u>11:00</u>	Receiving Date: <u>3/27/17</u>	Receiving Time: <u>11:00</u>
Donation/Unit number: (Completed by issuing Donor Station)		BLOOD PRODUCT RECEIVED DETAILS (completed by receiving staff member). Upon receiving the blood product(s), the receiving staff member must check the patient and product details are correct. <b>DO NOT</b> commence if any discrepancies - contact the laboratory. Complete this form and return immediately to the laboratory via the PTS carrier.	
Donation/Unit number: <u>3557354</u>	Correct unit (U) & time received	Work/Unit	Receiving staff member name and designation
	<input checked="" type="checkbox"/> Yes <u>110S</u>	<input checked="" type="checkbox"/> Whole <input type="checkbox"/> Platelets <input type="checkbox"/> Cryo	Name: <u>Simon</u> Designation: <input type="checkbox"/> RN <input type="checkbox"/> SW <input type="checkbox"/> SH <input type="checkbox"/> Tech Other: _____
<p>Note: If the blood product is no longer required or there is expected to be a delay in transfusion the blood product MUST be returned to the transfusion laboratory within 30 minutes of the dispatch time.</p>			

- In a time critical episode the receiving staff member may deliver the blood product(s) to the area for immediate transfusion but **must** immediately return to the PTS receiving station place the bubble wrap and completed verification receipt form in the PTS carrier and return it to the laboratory.
- To return the PTS carrier to the lab - check both carrier ends are firmly clicked and locked and place the carrier in the loading port of the receiving station
- Press [E] Enter. The green light on the panel will indicate the transaction has been accepted - check on the screen that the transaction has been accepted before walking away from the station.

