

**Stanton Territorial Hospital**

P.O. Box 10, 550 Byrne Road
YELLOWKNIFE NT X1A 2N1

Document Number: TMM40800**Version No:** 1.0

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Distribution:**Transfusion Medicine Manual****Effective:** 09 November, 2017**Date Reviewed:** 09 November, 2017**Next Review:** 09 November, 2019**Document Name:****Electronic Crossmatch****Approved By:**

Jennifer G. Daley Bernier, A/ Manager, Laboratory Services

Status: **APPROVED****PURPOSE:**

To allow the user perform an Electronic Crossmatch of units to a patient.

POLICY:

Before a patient can qualify for Electronic Crossmatch the following criteria must be met:

- Patient has a ABO/Rh performed on a current specimen – and there are no ABO discrepancies.
- Patient ABO/Rh has been performed a minimum of twice.
- Patient has a negative antibody screen performed on a current specimen.
- Patient has no clinically significant antibodies presently or in past history.
- Patient is not a neonate
- Patient has not had a Stem cell or Bone Marrow transplant.
- Unit has been retyped (serologically confirmed) in the system.
- Unit ABO/Rh matches patient ABO/Rh (considering alternative ABO and Rh tables).
- The Specimen is current – see BLB21400 – Specimen Expiry and Extensions

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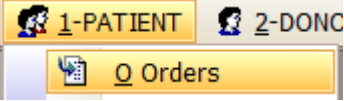
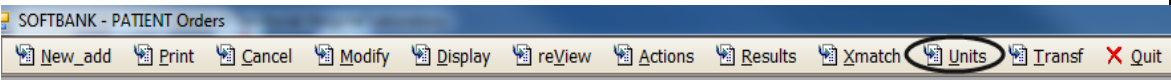
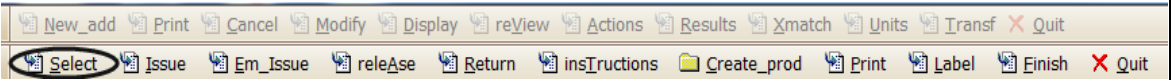
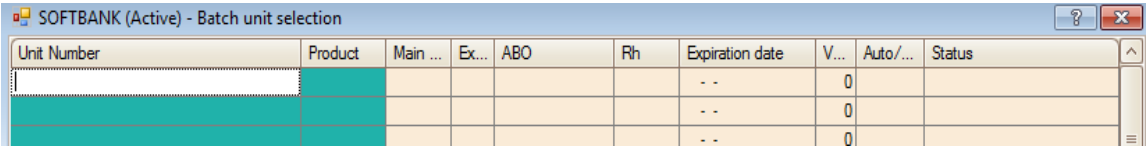
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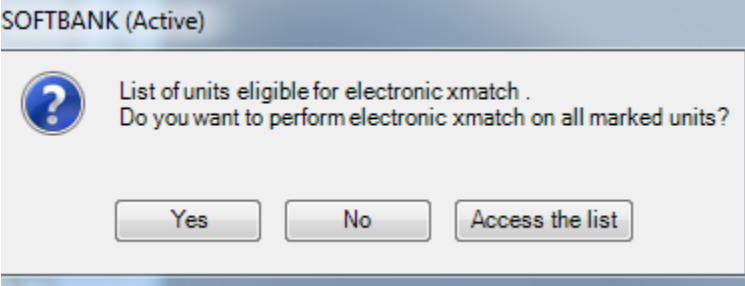
PROCEDURE INSTRUCTIONS:

Follow the steps in either of the following tables to perform an Electronic Crossmatch:

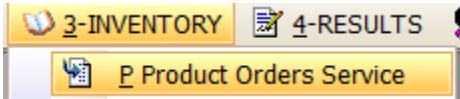
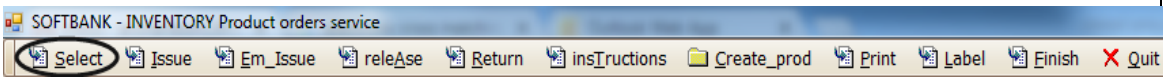
***Note: Patient must have products ordered prior to performing Crossmatch – See Procedure for Ordering Blood Products to Patients (not yet written)**

Step	Action
1	Click the Patient Icon and Orders from the Main Menu. 
2	Click: Units 
3	Click: F3-By Order # to and enter the Order Number. OR Enter the patient's last name, first name and/or Medical Record number
4	Click: F12-Accept or Enter
5	Select the correct patient from the list, if applicable.
6	Select the correct stay from the list, if applicable.
7	Click: Esc-Quit to remove the patient caution window after reviewing it, if it is displayed.
8	Click: F12-Accept at the Order number field.
9	Click Select Unit 
10	Scan in the unit number and product code of all units to be selected. Click F12-Accept unit list. 
11	System displays <i>Select these units? (Yes/No).</i> Click Yes.
12	System displays: <i>"List of units eligible for electronic xmatch. Do you want perform electronic xmatch on all marked units?"</i>

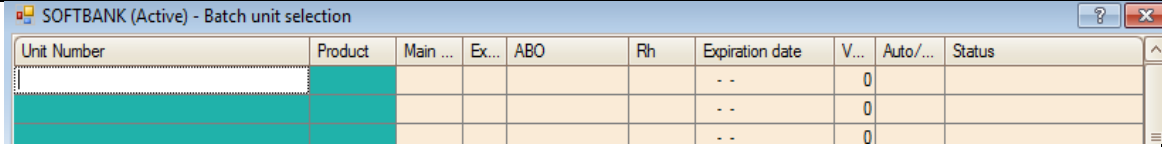
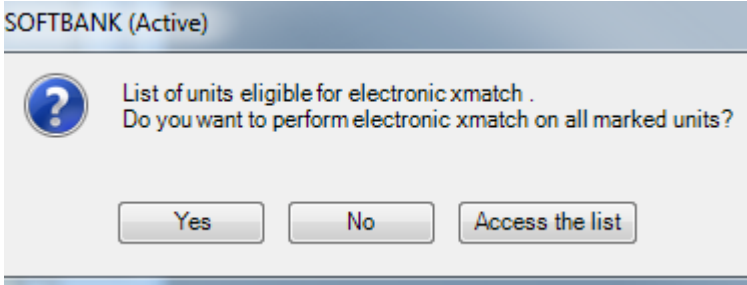
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Step	Action
	 <p>Click: Yes, to perform Electronic Crossmatch on units.</p> <p>Click: No if you do <u>NOT</u> want the system to perform the Electronic Crossmatch.</p>
13	Enter number of labels needed. Click: F12-Accept.
14	Select printer for labels.
15	Select printer for slips.
16	Click: Quit to return to Main Menu.

OR:

Step	Action
1	<p>Click the Inventory Icon from the Main Menu and chose Product Orders Service</p> 
2	<p>Click: Select.</p> 
3	Click: F3-By Order # to and enter the Order Number. OR Enter the patient's last name, first name and/or Medical Record number
4	Click: F12-Accept.
5	Select the correct patient from the list, if applicable.
6	Select the correct stay from the list, if applicable.
7	Click: Esc-Quit to remove the patient caution window, if displayed.
8	Click: F12-Accept at the Order number field.
9	If there is more than one Product ordered, select the correct product
10	Scan in the unit number and product code of all units to be selected. Click F12-Accept unit list.

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Step	Action
	
11	System displays <i>Select these units? (Yes/No).</i> Click Yes.
12	<p>System displays: <i>List of units eligible for electronic xmatch. Do you want perform electronic xmatch on all marked units?</i></p>  <p>Click: Yes, to perform Electronic Crossmatch on units. Click: No if you do NOT want the system to perform the Electronic Crossmatch.</p>
13	Enter number of labels needed. Click: F12-Accept.
14	Select printer for labels.
15	Select printer for slips.
16	Click: Quit to return to Main Menu.

RELATED DOCUMENTS:

- TMM40801 - Electronic Crossmatch Job AID
- BLB21400 – Sample Expiry and Extensions
- TMM20300 – Patient History File Review
- SCM20900 – Blood Blank Collection
- BLB25800 - ABO Testing
- BLB20800 – Rh Testing
- TMM20901 ABO Confirmation (Patient Retype) Testing
- BLB21000 – Compatibility & Selection of Units

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REFERENCES:

1. Canadian Society of Transfusion Medicine. (April 2017). *Standards for Hospital Transfusion Services, Version 4.*
2. Canadian Standards Association. (December 15). *Blood and Blood Components CAN/CSA-Z902-15.*
3. Pathology and Laboratory Medicine Division of Transfusion Medicine Standard Work Instruction Manual. (Revised 2014). *Computer Crossmatch RT.009.* Retrieved from Ontario Regional Blood Coordinating Network.
4. SCC Soft Computer. (n.d.). *SoftBank II v25 Super User Training Manual.* SCC Soft Computer.

REVISION HISTORY:

REVISION	DATE	Description of Change	REQUESTED BY
1.0	09-Nov-17	Initial Release	A.Richardson

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