

Anesthesia Blood Tip Sheet

This tip sheet describes how an Anesthesiologist orders and documents the administration of a blood product during intra-op.

Unit Number and Product Code is scanned from the bag.

Before you document blood, please make sure you have done the following:

1. Sync your wireless scanner to your computer. (do both steps a and steps b)
 - a. Scan the 2D barcode located either on the wireless scanning modem or the bar code located on or around your anesthesia workstation. It looks like a sticker.



- b. Take your scanner now and scan the scanner configuration for BS&W below

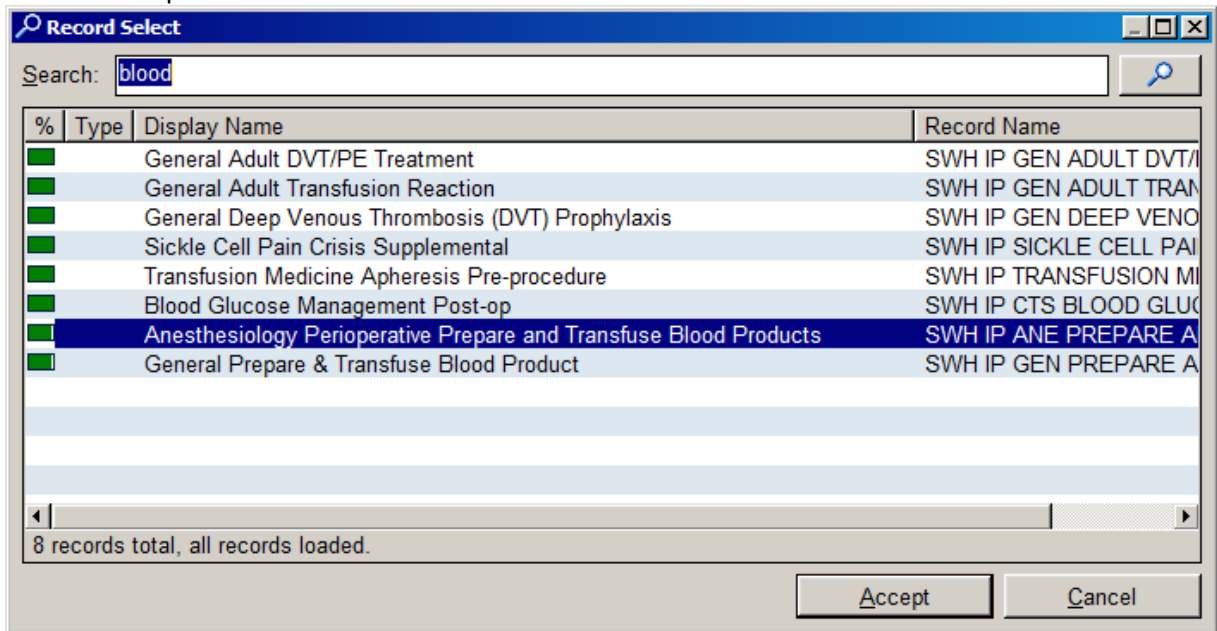
Description: CR2600 Custom Configuration
Revision: AA 08212013

1. B. Scan the following code for **EPIC**



Now you have synced the scanner to your computer and have correctly configured it for Epic.

2. How to document blood administration
 - a. Place an order to transfuse blood
 - i. Please use the "Anesthesia Perioperative Prepare and Transfuse Blood Products" order set ID 948. This is only to be used in the OR. It will not work outside the OR.
 - ii. You may also order from the General Prepare and Transfuse Blood Product ID 143
 - iii. You must order a transfuse order to document intraoperatively!
 - iv. Please follow protocol when ordering Emergent and Massive Transfusion Protocol. They are only to be used under certain criteria. Please see MTP protocol at end of tipsheet



Order Sets

▸ Manage User Order Sets

▾ Anesthesiology Perioperative Prepare and Transfuse Blood Products

Add Order

▾ General

▾ Transfusion Only orders for blood products that are already set up and ready to transfuse.

- Transfuse leukoreduced RBC
- Transfuse apheresis platelets
- Transfuse cryoprecipitate AHF
- Transfuse fresh frozen plasma

▾ Crossmatch units and/or request additional crossmatched units

- Leukoreduced Red Blood Cell
- Apheresis Platelet
- Cryoprecipitate AHF
- Fresh Frozen Plasma

▾ Uncrossmatched Blood

- Emergent Blood Administration - (RBC or FFP only)
- Initiate Massive Transfusion Protocol

▾ Additional SmartSet Orders

Add Order

Click the Add Order button to add an order in this section

- b. After ordering your blood product and / or the transfuse order, hit the blood button in intraop



- c. Assigning blood

1. Select on the left hand side which blood product you want
2. Select Assign Units- The number of units needing assignment should reflect how many you ordered

The screenshot shows the 'Blood Product Administration' interface. On the left, there is a list of blood products: 'PRBC' and 'FFP'. The 'PRBC' option is highlighted with a red box and labeled with a '1'. In the center, there is a button labeled 'Assign Units' with '2 remaining' below it, also highlighted with a red box and labeled with a '2'. On the right, there is a table with columns for 'PRBC - Anes', 'Units used', and 'Total infus'. A yellow callout box points to the table with the text 'Units ordered not associated with anesthesia'.

3. Select mL or mL/hr. The mL is preselected.
4. Scan the unit number , product code, unit blood type, and the expiration date



W0889 14 202881

L



5100

O

Blood Type

Scott & White Blood Center
Temple, TX 76708 Registration # 1671265

Properly Identify Intended Recipient
See Circular of Information for details
Contraindications, cautions and modifications
This product may transmit infectious agents
Rx Only

If you are entering unit number manually, don't forget the last letter in the square box

POSITIVE

EXP Date

VOLUNTEER DONOR



E0424V00

Product code



0141182359

Expiration Date

28 APR 2014 23:59

RED BLOOD CELLS
ADENINE – SALINE (AS – 5) ADDED
LEUKOCYTES REDUCED

From 500 mL CPD Whole Blood
Store at 1 to 6 C

anti – CMV Negative
SCOTT AND WHITE HOSPITAL ROUND ROCK
Round Rock, TX 78664 – 1032
W2945

Blood Product Administration - Chentest,Three

Add New ■ PRBC

Select administration unit

mL mL/hr Skip Optional Fields **5** Add Unit

EMERGENT BLOOD
PRBC
PLATELETS

Scan the blood type

Unit blood type Patient blood type: Not on file

Unit number: W0889 14 202881 L

Product code: E0424V00 Expiration:

Verification

		Link to previous values (as of 07/24/14 1143)
Transfusion Assessment Type	<input type="text"/>	No data filed
Select Blood Product	<input type="text"/>	No data filed
BP	<input type="text"/>	No data filed
Temp	<input type="text"/>	No data filed
Heart Rate	<input type="text"/>	No data filed
Resp	<input type="text"/>	No data filed

Assigned Units

6

Finish Cancel Assignments

5. Select "Add Unit" for each bag you have scanned
6. Select Finish when you are done assigning blood products
7. Dual sign off will be required after you have finished assigning the blood products
 1. Anesthesia signs off
 2. Nurse signs off

Blood Product Administration - HGTV,PreQuinnZero

Add New PRBC

Select administration unit

mL mL/hr Skip Optional Fields Add Unit

Assigned Units

W0889 14 202881 L-
E0424v00 (mL)
Type: O
Expires: 10/7/2014

Scan the unit number Patient blood type: Must not file

User Authentication

Epic

User Authentication

User ID: ANESTHESIA, ANESTHESIOLOGIST

Password:

OK Cancel

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Additional copyrights apply. CPT®, copyright AMA, SNOMED CT® copyright IHTSDO. [More](#)

Unit
Pro
Verification
Transfus Type
BP
Temp

Heart Rate No data filed

Resp No data filed

Finish Cancel Assignments

User Authentication

Epic

User Authentication

Dual SignOff Second User

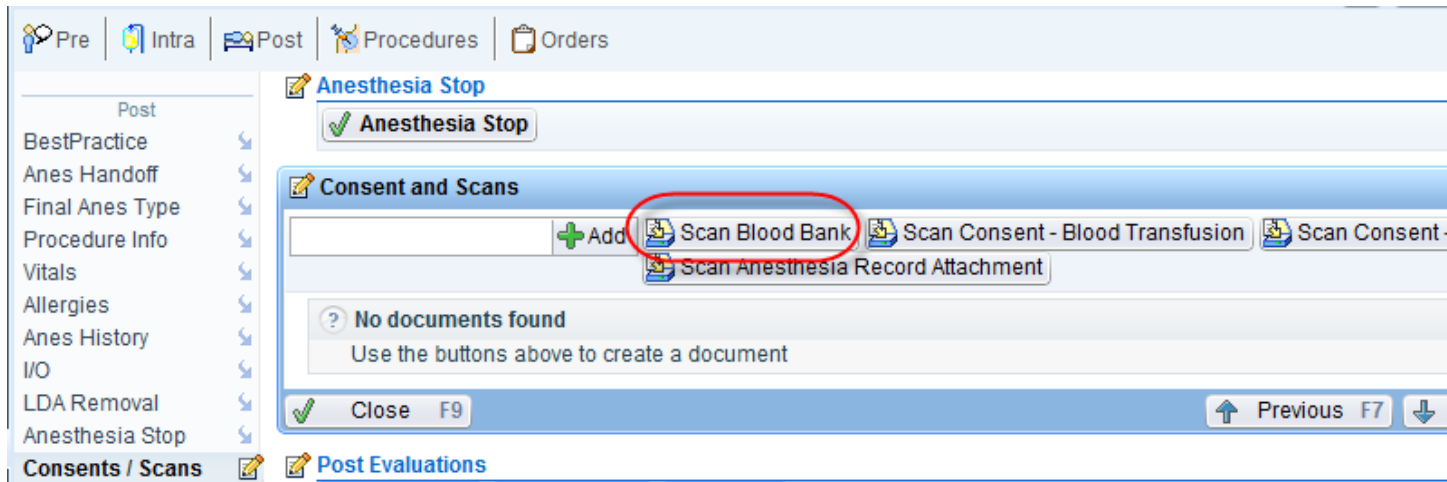
User ID:

Password:

OK Cancel

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8. Dual sign off will only occur for normal transfusion of blood products. If you are transfusing using the emergent blood order or the MTP order, it will not require a dual sign off
 - i. If you are transfusing a blood product with an emergent or MTP order
 1. There will be no electronic dual sign off when assigning units
 2. Fill out the dual sign off with the paper documentation attached to the blood products
 3. When you are able, scan the paper dual sign off under the consent and Scans section and select the "Scan Blood Bank" option; or you can get a Unit Clerk or nurse to help you scan it in



Documenting Blood Products

1. Select the blood products you have assigned on the left-hand column to begin documentation

Blood Product Administration - Chentest,Three

Add New

EMERGENT BLOOD

Current

Assign Units
3 remaining

EMERGENT BLOOD - Anesthesia

Units used	0
Total infused	None recorded

EMERGENT BLOOD

PRBC

PRBC - W0889 14 202881
L-E0424V00 (mL)

PLATELETS

PLATELETS - W0889 14
202881 L-E0424V00 (mL)

Assigned units populate below their type. i.e. you can now document in intraop these units

Close

2. Select the time of administration

Add New

PRBC (mL)
W0889 14 202881 L-E0424V00

EMERGENT BLOOD

1145 1146 1147 1148 1149 1150 1151 1152 1153 1154 1155 1156 1157 1158 1159 1200 1201 1202

PRBC

PRBC - W0889 14 202881
L-E0424V00 (mL)

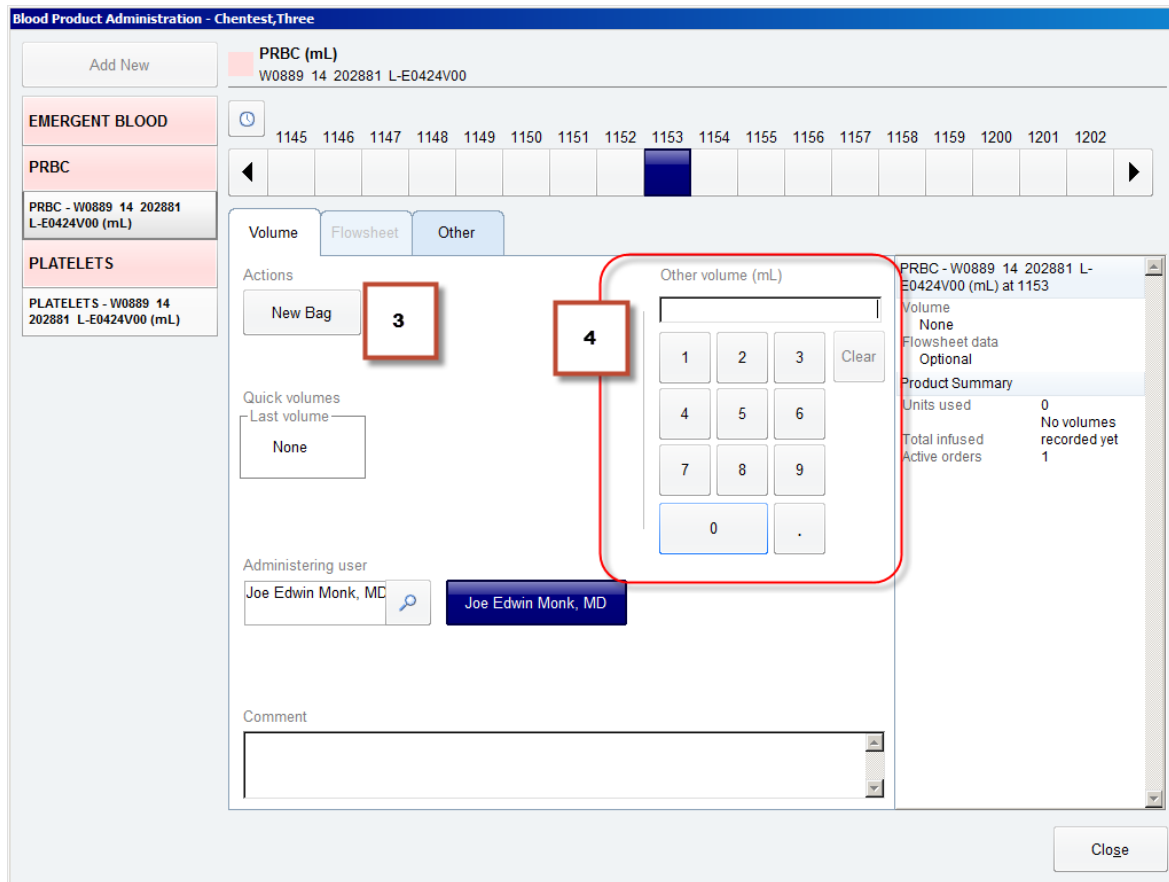
PLATELETS

PLATELETS - W0889 14
202881 L-E0424V00 (mL)

Select a time for this administration.

3. Select New Bag

4. Fill in a Volume and close when you are done

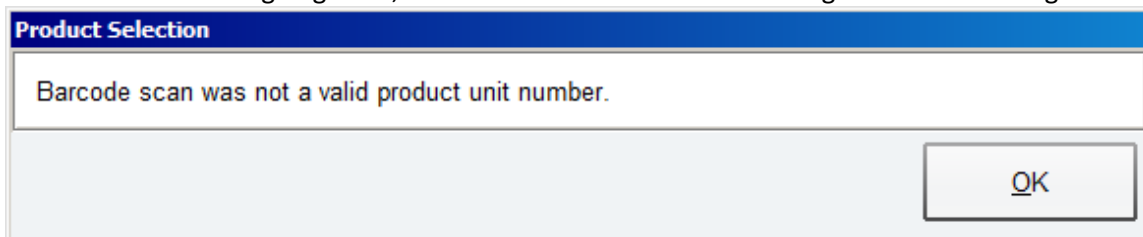


Now the intra-op grid displays the blood product:

	1155	1200	1205	1210	1215	Totals
Meds						
PRBC						500 mL
PLATELETS						

Troubleshooting tips

1. Sometimes when assigning units, the scanner will not work. You will get an error message.



- a. Try rescanning the barcode
 - b. You should rescan the configuration 2D barcode
2. If you are still having issues, I recommend contacting your super user or speak with someone from Project Phoenix.

How do you know if your computer is synced to the wireless modem:
(NOTE: BE SURE YOUR SCANNER IS SYNCED TO YOUR COMPUTER!!)

1. A green light on your scanner means it is synced to a wireless modem.



2. Solid blue light on modem means scanner synced to computer



MTP protocol:

"PROCEDURE":

- A. It is the responsibility of the Trauma Surgery Staff, Emergency Department Attending, Anesthesia Attending or Chief Trauma Surgery Resident to determine the timing and need for the MTP.
- B. The following patient population may benefit from the MTP:
 1. Massive blood loss with profound hemorrhage/hypovolemic shock:
 - a. Adult patients who require an estimated blood volume replacement of 10 units of blood.
 - b. Pediatric patients with estimated blood loss of ≥ 40 cc/kg.
 2. Continued bleeding after transfusions of 5 units of RBCs in 4 hours or 10 units of RBCs in 24 hours, including cell saver.
 3. Prolonged PT. Depressed fibrinogen levels (e.g., < 100 mg/dL or platelet count $< 100,000$ /ml) on admission or during resuscitation.
- C. Physician will provide an order to the Primary Trauma Nurse to implement the trauma massive transfusion protocol.
- D. The Nurse or Provider will order on the system the "Massive Transfusion Protocol" and notify the Blood Bank that the protocol has been implemented by phone.

E. The trauma nurse will ensure that the patient Type & Crossmatch has been ordered, drawn and sent STAT to the Blood Bank.

Termination of MTP:

1. As bleeding slows to less than 500 cc per hour, the blood bank must be told to slow down the rate of delivery of red cells. The trauma nurse must promptly notify the blood bank when the need for transfusion is reduced.
2. MTP will continue until the attending physician determines that it is unnecessary. The trauma nurse will promptly notify the blood bank of MTP cancellation and promptly return all unneeded units to the blood bank.
3. When MTP is canceled, the blood bank will not longer automatically supply blood or component products. The trauma nurse will continue to evaluate the need for transfusion and document coagulation studies.
4. The attending trauma surgeon or his designee is responsible for ordering all transfusions after termination of MTP.

Included in massive transfusion protocol: (Amount may vary by region)

Adult

6 RBC
4 FFP
1 SDP

Pediatric

3 RBC
2 FFP
1 SDP

Neonatal

1 RBC
1 FFP
1 SDP