

# Emergency Blood & MTP @ UMHW

Yvonne Prowant, TPM and Krystal Johnson, Blood Bank Supervisor

# Answer: Emergency Release Cooler taken to ED by lab when trauma code is paged.

- We worked with lab to create a 'ready cooler' of 2 units of 'O' RBC
- Cooler arrives at trauma bay and lab staff stays until released by surgeon.
- The cooler can be kept by the trauma team for up to 4 hrs.



# How does Lab do it?

- Vocera page
  - “Type”
    - Stroke, Alert, Code or MTP
  - Pt sex/age
  - ETA
- Cooler insert 2 Grp O RBC
  - Rh dependent on page
- Color wrist band
- Dispatched
  - 1<sup>st</sup>: Phlebotomy
  - 2<sup>nd</sup>: Specimen processing
  - 3<sup>rd</sup>: Technologist in core lab

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**Emergency Release Check-off Form**

(Patient Epic Chart Sticker)  Please return to Blood Bank when complete

Patient armband and Epic Chart sticker match?

Place Epic chart sticker on both copies of each Transfusion tag.

Writes Epic ID on each Sticker.

Remove yellow (Blood Bank) copy and return to Blood Bank.

Released cooler to (Epic ID): \_\_\_\_\_

Date/ Time Released: \_\_\_\_\_

Blood Bank Runner's Epic ID: \_\_\_\_\_

Revised 6/29/2013 Return this form to Blood Bank

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**M METRO HEALTH** DEPARTMENT OF LABORATORY MEDICINE  
UNIVERSITY OF MICHIGAN HEALTH-WEST 3000 Zeeb Road, S.E. Lansing, Michigan 48912

**TRANSFUSION RECORD**

PATIENT INFORMATION		PRODUCT INFORMATION	
Medical Record Number: _____	Birth Date: _____	Unit Number: _____	Expiration Date: _____
Patient Name: _____	Location: _____	Component: _____	Volume: _____
ABO/Rh: _____	Patient Instructions: _____	ABO/Rh: _____	Unit Remarks: _____

Crossmatch Result: **UNCROSSMATCHED** Crossmatch Date/Time: **NOT PERFORMED** Specimen in Custody:  Yes  No  
Antibody Screen: **NOT PERFORMED/COMPLETED** Antibodies Identified: **NA**

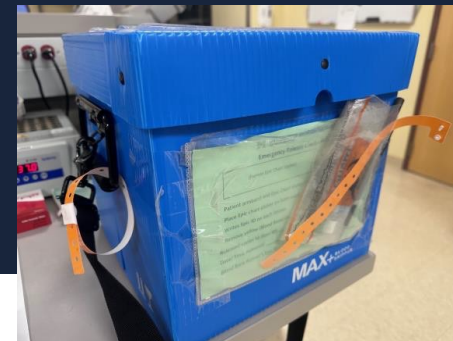
Need When? \_\_\_\_\_ Date/Time: \_\_\_\_\_ Was Blood Used?  Yes  No  
Visual Inspection: \_\_\_\_\_ Blood Bank Signature: \_\_\_\_\_

**THIS FORM MUST BE SIGNED BY A PHYSICIAN PRIOR TO ADMINISTRATION OF THE BLOOD COMPONENT WHEN THE CROSSMATCH OR PATIENT TESTING IS NOT COMPLETED.**

**UNCROSSMATCHED/EMERGENCY RELEASED**

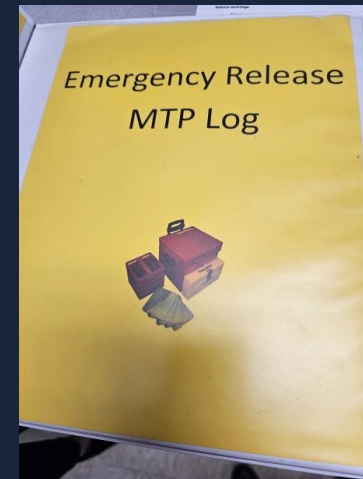
My patient's clinical condition is serious and needs the above blood component regardless of the result of Pre-Transfusion Testing results. The nature of my patient's condition requiring the Emergency Blood Release is: \_\_\_\_\_

Requesting Physician's Signature: \_\_\_\_\_ Date/Time: \_\_\_\_\_  
REMOVE FROM BLOOD COMPONENT AFTER TRANSFUSION IS COMPLETED AND RETURN SIGNED FORM TO THE BLOOD BANK  
Form 2013 01/01/14



# How does Lab track it?

- Emergency Release Binder
  - Individual units
  - Trauma code
  - MTP
- Used for QC and PI
  - Call, ready & issue
  - Trauma codes
    - <2 min
  - MTP
    - <7 min
- Data sent monthly
  - Quality
  - Trauma coordinator



# How does BB prepare the coolers?

- BB daily tasks
  - Check outdates and rotate stock when <7 days exp
  - Checking temperature indicators
- All shifts responsible for 'refill' when used
- Multiple safety checks
  - Daily
  - Prior to release
  - Upon cooler return



# When MTP is required

- An MTP is paged via Vocera, much like an RRT or ERT
- The response is by 2 RNs trained in MTP; one from the ED, one from the ICU
- The MTP coolers are pre-ready in the blood bank
- Someone from the unit the patient is on goes to the Blood Bank with a pt sticker to retrieve the cooler

# Details of MTP Process

- MTP paged via Vocera
- Blood bank prepares cooler. The platelet cooler is 'room temperature' controlled. The red cooler is 'cooled'.
- MTP cooler retrieved from blood bank.
- Colored wristband affixed to trauma code cooler and second wristband affixed to patient.
  - The color of this wristband is matched with each new cooler
- Charting completed on paper record that travels with the patient throughout the MTP



# Details of the Process

- A total volume of each type of unit is added to I/O flowsheet.
- Reconciliation is performed at the end of MTP
- Reconciliation is requested by Blood Bank for the total number of products issued to patient.





**A big thanks to McLaren in  
Petoskey for sharing their  
process 5 years ago.**

**A PI team was formed and  
customized their process  
for UMHW.**





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