

A Day in the Life of Whole Blood

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Introduction

Community Blood Center's Whole Blood Program

- What is Whole Blood
- Recruitment Process
- Manufacturing process
- Laboratory testing
- Logistics
- Enterprise Strength

Insight

Why Whole Blood requires a systematic approach

What is Whole Blood?

Whole Blood (WB) is a blood product that adds ~500ml of blood directly from a donor to a preservative anticoagulant. Therefore, it contains “one unit” of red cells, plasma, and platelets.

WB Data

- CPD Anticoagulant which results in a 21 day shelf life.
- Whole Blood is stored at 1-6C.
- Preservative: Optisol
- Whole Blood maybe used for the initial treatment of trauma or other massive transfusion patients.
- See the Circular of Information for additional information.

Recruitment Process

How We Recruit

Repeat Donors

Revisiting Recruitment Process



Whole Blood Schedule

Importance of creating standing orders

Turn around time



Balance of Product

Shelf life

Product vs. Orders



Manufacturing Process

Whole Blood

- Must be filtered between 1 – 8 hours
- Leukoreduced
- Platelet sparing filter



Transportation

- New routes
- Utilize volunteers for new routes
- 2 days from collection to distribution



Remanufacturing

- Does not meet criteria
- Can be separated into RBCs and plasma
 - ≤ 72 hours
 - > 72 hours
- Shelf life of RBCs
 - 21 days
 - 42 days

Laboratory Testing

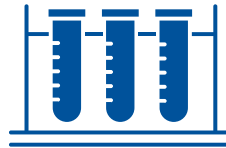
Hang Tags

- EMS do not have lab
- Must have confirmation tag



Titer Testing

- Anti-A and Anti-B
- < 1:100
- FDA requirement



Results

- Only 50% pass titer testing
- Identify donors with LT to recruit

Community Blood Center of Greater Kansas City
4040 Main St., Kansas City, MO 64111
KC-FORM-1707 Rev. 01
Uncrossmatched ABO/Rh Confirmation Tag

 **Community Blood Center**

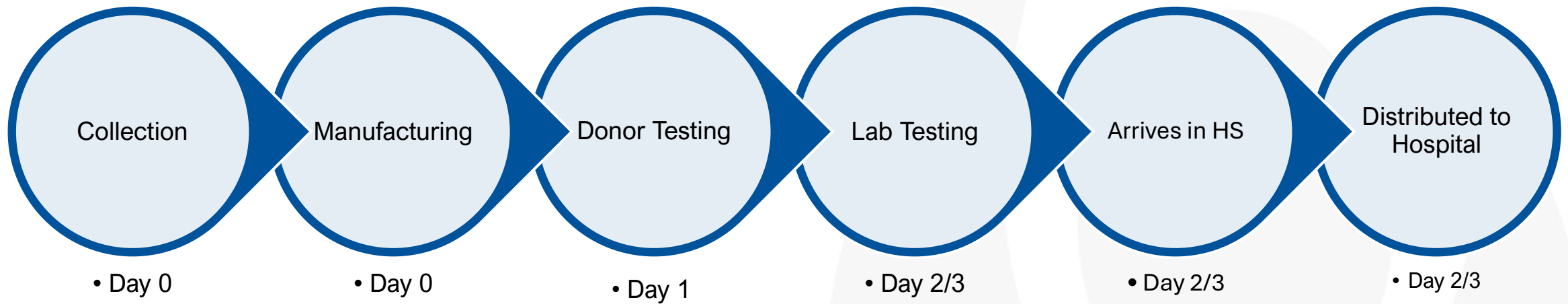
Uncrossmatched
ABO/Rh Confirmation Tag

Group O+

Unit Number	

Testing Tech:		Testing Date:	
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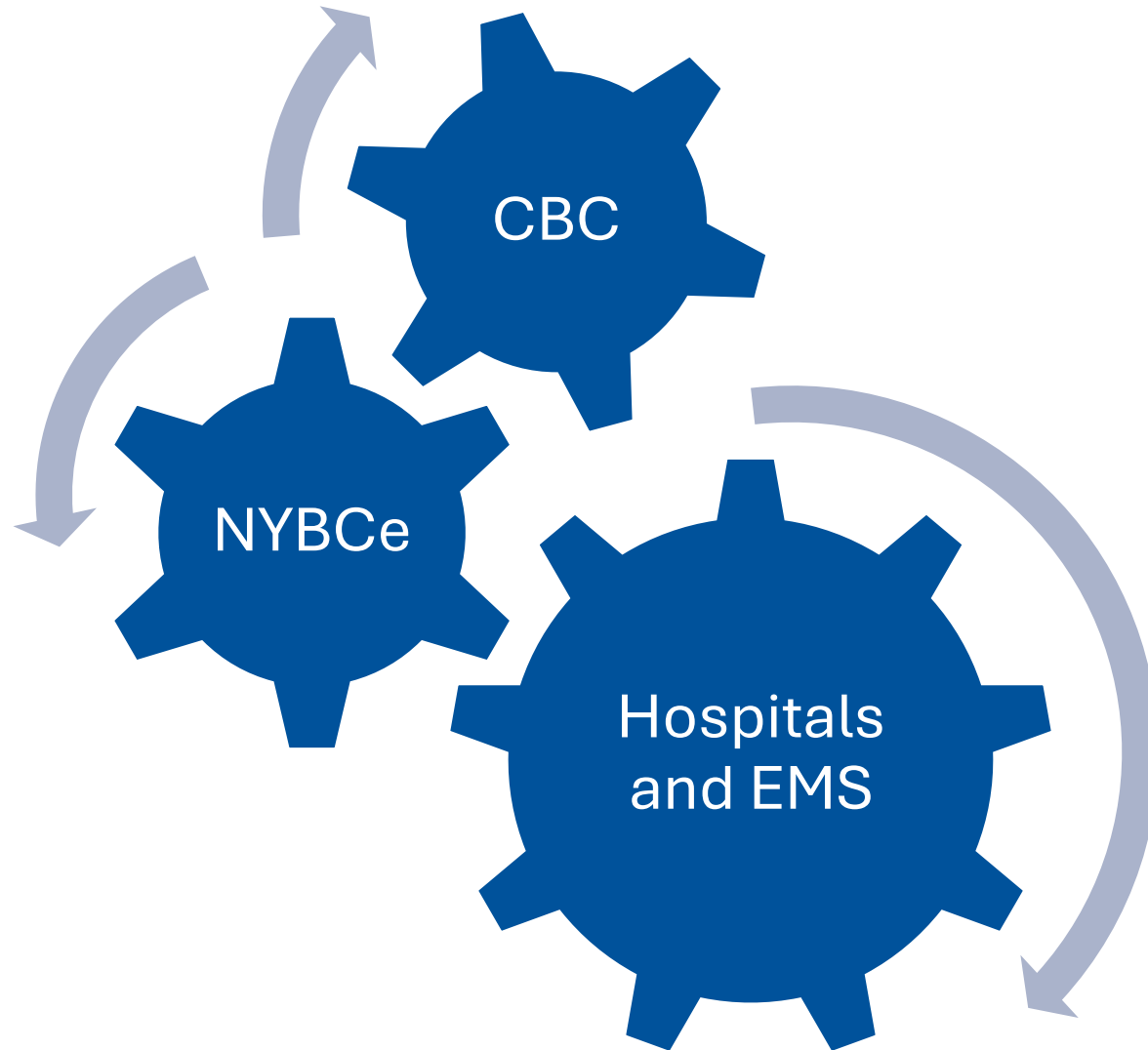
Logistics



Enterprise Strength

CBC and NYBCe

- Product shortages
- Import of products
- Ensure all orders are filled



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Thank you