

ISBT 128

Implementation Experience

U. S. Army

Kendrick Memorial Blood Center and
Eisenhower Army Medical Center
Fort Gordon, Georgia

Josie Pippert MT(ASCP)

Sarah Dailey MT(ASCP)

Validation Protocol

- Army Donor Center
- Army Transfusion Service
 - Labeling capabilities
- Validation template to follow
 - Modify it to our needs
- Submit completed protocol and copy of all labels that are facility specific to the Army QA office

Equipment

- Sato CL412c printer
- Computer terminal and screen (stand alone)
- Software
 - HemaTrax version 5.1B
 - Supported by Digitrax Inc.

ISBT Timeline

- Equipment set up
- Software to install on the computer (IMD)
- Validation scenarios for our computer system
 - Defense Blood Standard System (DBSS)
- Configure the label printer
- Find the appropriate label for our products
 - Type the attributes, statement of testing, etc.
- Preprint the donation identification numbers

Equipment Setup and Label Stock

- Standalone computer terminal
- Designated strictly for the label printer
 - Full face labels 4x4
 - Product labels 2x2
 - Intendant recipient (IR)
 - Donation Identification Numbers
 - Special labels
 - Freezing labels

Configuring the Printer

- Training manual for the HemaTrax Software
- Facility Identification
 - Other sites that are in our region
- Set up passwords and assign levels of printing
- Standardized Operating Procedures
- Training Competencies

Validation Scenarios

- Test cases were included in our standardized validation protocol from the Army Blood Program Office for both the Donor Center and Transfusion Services.
- Validate the computer system (DBSS) in the Training Database.

Validation Scenarios

Registering new homologous donor	Donor with an incomplete phlebotomy
Registering new apheresis platelet donor	Phlebotomy with a CUE value “Do not use my blood”
Registering new autologous donor	Phlebotomy with a pilot tube problem
Registering new auto apheresis donor	Add an incoming shipment using ISBT
Registering new directed donor	Registering new therapeutic donor
	Donor with an unsuccessful phlebotomy

Validation Scenarios

Convert components using ISBT

Pool components using ISBT

Split components using ISBT

Crossmatch a unit using ISBT labels

Transfuse a unit using ISBT labels

Add units to a box in an incoming shipment using ISBT

Add an outgoing shipment using ISBT

Add a box to an outgoing shipment using ISBT

Add units to a box in an outgoing shipment using ISBT

Labels

- Locate the ISBT code for each product that we manufacture or receive from outside sources
 - If modified, the corresponding ISBT code
- Type the attributes of the product
 - Lower left quadrant when on the full face.
- Type the testing statement
 - Plasma products that we sell, WNV testing

Example of Products and Codes

CPDA-1 Red Blood Cells	E0195V00	04060
CPDA-1, Red Blood Cells, Autologous	E0195100	34060
CPDA-1 Red Blood Cells, Autologous, Bio Haz	E0195X00	34060
CPDA-1 Red Blood Cells, Irradiated	E0206V00	05060
CPDA-1 Red Blood Cells, Irradiated, Divided	E0206VA0	35061
Platelets Pheresis, ACD-A, Non Leuko	E2940V00	12010
Platelets Pheresis, ACD-A, Leuko Reduced	E3077V00	12710
FFP, CPDA-1	E0707V00	18201
FFP, CPDA-1, Thawed	E0785V00	18201
Recovered Plasma – CPDA-1	E2491V00	19210
Pooled Platelets	E2897V00	12091

Donation Identification Numbers

- Allogeneic Whole Blood: W0107 XX 000001
- Apheresis Components: W0107 XX 200001
- Autologous Units: W0107 XX 300001
- Therapeutics Units: W0107 XX 400001
- Pooled Products: W0107 XX 990001



Submission Time

- First time
- Second time—yeah!!
- Actual timeline
 - May – August
- Go Live Date as of 01 September 2005



Examples of Common Errors on Submission

Item	Incorrect	Correct
Abbreviated legal name	Eisenhower Army Med Ctr	Eisenhower Army Medical Center
Divided units labeled incorrectly.	E 0195V00	E0195VA0 - There should be A, B, or C indicating divided and "Divided" on the label
Degree symbol in the temperature	1 - 6°C	1 – 6 C
Legal Name in all Capital letters	EISENHOWER ARMY MEDICAL CENTER	Eisenhower Army Medical Center
Autologous Statement	for AUTOLOGOUS use only	FOR AUTOLOGOUS USE ONLY

Summary

- Tedious, but not complicated
 - Picking the correct ISBT 128 code for the products
- Software made it easy
- Computer system was capable of reading ISBT 128 and Codabar

#%&!

GO!

QUIT

OOPS!

PANIC!

Help!

vacation