TRAINING UPDATE

Lab Location:	SGAH and WAH	**Date Implemented:**	5.30.2014
Department:	Blood Bank	**Due Date:**	6.8.2014

DESCRIPTION OF PROCEDURE REVISION

Name of procedure:

Reconstituted Whole Blood Worksheet

Description of change(s):

New worksheet to help with the calculations for reconstituted whole blood.

Reconstituted Whole Blood Worksheet

	Infant's Information	Mom's Information
Name		
Medical Record Number		
ABO/Rh		
Antibody History	N/A	

Product Information

Date/Time of Exchange		☐ **Needed STAT**
Desired Hematocrit		**(A)**
Desired Volume		**(B)**

Red Blood Cell Unit Information

Unit Hematocrit (RBC E0226 Product)	To convert a percent to decimal, move the decimal place 2 places to the left. Example: 70% =0.70	**(C)**
Unit Volume (mL) (RBC E0226 Product)		**(D)**

Calculate the volume of plasma needed for reconstitution:

Step 1: Multiply the red cell unit hematocrit (C) times the red cell unit volume (D)

(C)_____ x (D)_____mL = (E)_____mL

Step 2: Divide the product (E) obtained in step 1 by the desired hematocrit (A)

(E)_____mL ÷ (A)_____ = (F)_____mL

Step 3: Subtract the Quotient (F) obtained in step 2 from the red cell unit volume (D)

(D)_____mL – (F)_____mL = [_____]mL ⟹ **Volume of plasma to add**

Final Hematocrit (RWB E5747 Product)	To convert a percent to decimal, move the decimal place 2 places to the left. Example: 70% =0.70	
Final Volume (mL) (RWB E5747 Product)		**(G)**

Step 4: Subtract the Final Volume (G) from the Desired Volume (B)

(B)_____mL – (G)_____mL = (H)_____mL

- If H is a positive number, issue the unit as is.
- If H is a negative number, notify the patient care area that the volume is lower than requested and ask if a second unit is needed.