

 YALE-NEW HAVEN HOSPITAL	TITLE: PATIENT CONTROLS FOR HPLC D10 AND LINEARITY		DEPT OF LAB MEDICINE CLINICAL HEMATOLOGY Policy and Procedure Manual
			DOCUMENT # H-02-012
			Page 1 of 1
WRITTEN BY: Paula Morris, MT (ASCP)	EFFECTIVE DATE: 09-01-2008	REVISION: H-4 3/04/2013	SUPERCEDES: H-3 3-2012

I. PURPOSE:

To consistently prepare patient specimens for use as abnormal hemoglobin references and linearity standards.

II. PROCEDURE:

- A. Place the sample in a 10 ml rubber red top tube (no additive).
- B. Wash 3 times with saline (open a new bottle of saline)
 1. Add equal volume of saline to tube. Mix well.
 2. Centrifuge at 3000 rpm for 10 minutes, remove and discard saline/plasma layer.
 3. Repeat above process 2 more times.
- C. After last wash pipet saline layer off red cell layer.
- D. Add distilled water, 2 times the volume of cells, to patient RBCs.
- E. Vortex and let stand 2 hours.
- F. Centrifuge and pipet off stroma layer if visible.
- G. For SC and SS place 15 ul in each plastic tube.
- H. For Linearity (EE, CC) place 40ul in each plastic tube.
- I. Label tubes with the appropriate Hgb type and write the % of the Hgb on a piece of paper and insert into the bag.
- J. Aliquot and freeze at -70 degrees.

II. HISTORY:

- H-1 This procedure was written by P. Morris on 9-1-08.
- H-2 This procedure was revised by P. Morris on 2-2010.
- H-3 This procedure was revised by S. Richardson on 3/28/12.
- H-4 This procedure was revised by A. Link on 3/4/2013.