

STAT SPIN CENTRIFUGE TESTING FOR PLATELET-POOR PLASMA

I. POLICY STATEMENT

The stat spin centrifuges should be tested annually to verify that the specimens spun produce acceptable platelet poor plasma.

II. PURPOSE:

The purpose of this procedure is to provide instructions to verify the stat spin centrifuge for platelet poor plasma. The acceptable limit for platelet – poor plasma is < 10,000/uL.

III. EQUIPMENT

- A. S/P® Brand Stat – 60 Centrifuge (located in Send Out Area)
- B. Stat Spin Express 3 (located in Coagulation/Hematology)
- C. Sysmex® XN 2000
- D. Polypropylene tubes 12 x 75mm

IV. PROCEDURE

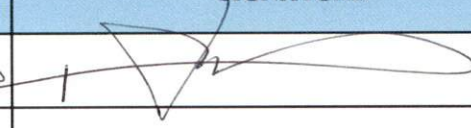
- A. Spin blue top tube in centrifuge for two minutes. This is the same amount of time we spin the patient specimens.
- B. Remove the tube from the centrifuge and manually remove the plasma from the top half of the tube into a polypropylene tube. Note: Be careful not to get close to the plasma cell interface where the platelets are located.
- C. Manually run the sample on the XN to obtain a platelet count.
 1. Switch XN analyzer to manual mode
 2. Select Whole Blood under Manual Analysis
 - a. Make sure only “CBC” is checked
 - b. Unselect “Read ID” and manually type in ID
 - c. Select “Cap Open”
 - d. Unselect “Aspiration Sensor”
 3. Click [OK]
 4. An Error Message saying the Aspiration Sensor is turned off will pop-up.
 - a. Reset alarm and go ahead with sample analysis.
 - b. The error will still be active, but you can still run the sample.
 5. After analysis, reselect “Aspiration Sensor” and click “OK”
 - a. This will remove the error message.
- D. Record the specimen ID number and platelet value from the XN on the log (UPPK CO-0454.01).
- E. Return the tube to the Stat Spine and spin for another two minutes.
- F. Remove the tube from the centrifuge and manually transfer the plasma from the tube into another polypropylene tube leaving at least 0.5mL in the tube as to not disturb the platelets and cells at the bottom
- G. Manually run the sample on the XN and record the specimen ID number and platelet value on the log in the Double-Spun column.

- H. Check each sample to be sure the platelet count is <10,000 which indicates the plasma is platelet-poor.
- I. Record your initials, date and which centrifuge you are testing on the sheet.
- J. A total of 10 specimens must be verified on a current centrifuge. A total of 20 specimens must be verified on a new centrifuge.
- K. If the plasma is not platelet-poor, notify the supervisor and do not use the centrifuge for platelet-poor samples.

V. REFERENCE:

- A. Express 3 Primary Tube Centrifuge Operator's Manual. Model Number M502-22. A division of Iris International, Inc.(2006)

<i>POLICY CREATION :</i>	<i>Date</i>
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MEDICAL DIRECTOR		
DATE	NAME	SIGNATURE
12-3-18	Kathryn Kramer MD	
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REVISION HISTORY (began tracking 2011)			
Rev	Description of Change	Author	Effective Date

Reviewed by:

Lead	Date	Coordinator/ Manager	Date	Medical Director	Date
<i>Felix Hall</i>	<i>11-29-18</i>				