

## TRAINING UPDATE

**Lab Location:**

WAH

**Date Distributed:**

7/1/2015

**Department:**

Core & Processing

**Due Date:**

7/29/2015

**Implementation:**

**7/29/2015**

### DESCRIPTION OF REVISION

**Name of procedure:**

**Autotransfusion (Perfusion) QC Testing WAH.S858 v2**

**Description of change(s):**

Section 3: Add Core Lab

Section 5: Add item E for testing and resulting

**This revised SOP will be implemented on July 29, 2015.**

**Document your compliance with this training update by taking the quiz in the MTS system.**

Approved draft for training (version 2)

Non-Technical SOP

<b>Title</b>	<b>Autotransfusion (Perfusion) QC Testing</b>	
<b>Prepared by</b>	Stephanie Codina	Date: 12/2/2013
<b>Owner</b>	Samson Khandagale	Date: 12/2/2013

<b>Laboratory Approval</b>		
<b>Print Name and Title</b>	<b>Signature</b>	<b>Date</b>
<i>Refer to the electronic signature page for approval and approval dates.</i>		
Local Issue Date:		Local Effective Date:

<b>Review:</b>		
<b>Print Name</b>	<b>Signature</b>	<b>Date</b>

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### **1. PURPOSE**

This procedure describes the process to place laboratory orders **and enter results** for QC testing for autotransfusion procedures.

### **2. SCOPE**

This procedure applies to QC testing for autotransfusion procedures.

### **3. RESPONSIBILITY**

This procedure is performed by Specimen Processing **and Core Lab** staff.

### **4. DEFINITIONS**

Autotransfusion - Transfusion of a patient's own blood; in this case, the blood is collected and reinfused during surgery.

Perfusionist - The medical professional responsible for extracorporeal oxygenation of the blood during open heart surgery

GUI - Graphical User Interface

### **5. PROCEDURE**

#### **A. General Information**

1. The laboratory performs quality control testing for perioperative services including blood recovery via cell saver. According to AABB Standards, blood recovery is best measured by markers of red blood cell concentration and wash efficiency. The selected parameters are hematocrit, plasma potassium, and albumin levels pre- and post-processing.

2. There are several instruments utilized by the perfusionists at Washington Adventist Hospital.
3. Lab orders are entered into the LIS via an outside location medical record number that is associated with each instrument. The chart below specifies the medical record number for each instrument:

<b>Instrument</b>	<b>Serial Number</b>	<b>Medical Record #</b>
Fresenius CATS	9CAA9458	<b>WPER-3</b>
Fresenius CATS	4CAA1720	<b>WPER-4</b>
Fresenius CATS	6CAA2459	<b>WPER-6</b>

4. The perfusionist will submit specimens for testing with a specific requisition (see Related Documents).
5. For each Cell Saver, 1-2 samples (pre- and post-processing) will be collected and sent for testing. Tests to be performed include hematocrit, potassium, and albumin.
6. Reports will print Monday through Friday with WAH Outside location scheduled reports. Place WPER reports in interdepartmental mail addressed “Attention: WAH perfusionist”.

### **B. Order in LIS using function REI**

1. From the requisition determine the medical record number to place orders into the LIS. This is noted in the first box that states “Check the applicable Analyzer”. The medical record number is denoted in square brackets after the serial number of the analyzer. In the example below, WPER-3 is the medical record number.

*Example:* **FRESENIUS CATS, SN 9CAA9458 [WPER-3]**

**Note:** If “Other:” section of requisition is completed, then a **new** WPER- medical record number must be created. Refer to section C.

2. Enter orders in the LIS using the medical record number via function REI or GUI Order Entry. LIS test code is noted at the end of test name on the requisition.

*Example:* Pre HCT (PHCT) - **PHCT** is the LIS test code.

3. Use tech code **906** (WAH, Perfusionist) as the “collected by”.
4. Label specimen with Sunquest accession label.
5. Potassium and albumin specimens will be centrifuged prior to delivery to chemistry. Hematocrit testing is delivered to hematology and placed on the rocker.



<p>PRE-REGISTERED PATIENT, NO EVENTS Create New Episode Display all Inactive Events</p>
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Select **Create New Episode** and press **Enter**.

9. Press **Enter** at the account number prompt. Accept the default of 999999.

10. Press **Enter** for each of the following prompts -

- Event type
- Event status
- Start/Admit Date:
- Physician 1
- Diagnosis and comment

11. Review the entries, select A to accept, M to Modify or R to Reject as appropriate.

12. “A new episode has been created” displays. The ‘patient’ has been created in the LIS.

13. Proceed with the remaining prompts in section B.2-6 to enter orders and process the specimen.

#### **D. Order in LIS using GUI**

Refer to addendum for process to enter LIS orders in the GUI version of the LIS.

#### **E. Testing and Resulting**

1. Samples are acceptable even if grossly hemolyzed.
2. Manually program the instrument to run the ordered test(s)
3. Print the result from the Vista and LH750.
4. Enter the results manually into the LIS.

#### **6. RELATED DOCUMENTS**

Autotransfusion QC Requisition (AG.F267)

#### **7. REFERENCES**

N/A

**8. REVISION HISTORY**

<b>Version</b>	<b>Date</b>	<b>Reason for Revision</b>	<b>Revised By</b>	<b>Approved By</b>
0	12/2/2014	Section 5: update instrument list and reporting process, add item D Section 9: add SQ 7.1 ordering process	M Sabonis L Barrett	S Khandagale
1	6/9/2015	Section 3: add Core Lab Section 5: add item E	L Barrett	S Khandagale R SanLuis

**9. ADDENDA AND APPENDICES**  
Entering Orders using Sunquest 7.1 LIS System

## Entering Orders using Sunquest 7.1 LIS System

Order options: Orders Mode: MODE1

Lookup by: Patient ID Value: WPER-6 Search

By Default HID Only

Patients Standing orders

To fill the list, enter a lookup value and click the Search button.

Name	Patient ID	HID	SSN	Date of Birth	Sex	Status	INS ID#	AKA Name	User Defined Fields
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1. From the requisition determine the medical record number to place orders into the LIS. This is noted in the first box that states “Check the applicable Analyzer”. The medical record number is denoted in square brackets after the serial number of the analyzer. Enter the correct Medical Record number and press **Search** as show above.
2. A screen similar to the one below will appear.

Order options: Orders Mode: MODE1

Lookup by: Patient ID Value: WPER-6 Search

By Default HID Only

Patients Standing orders

Search found 1 patient matching "Patient ID=WPER-6"

Name	Patient ID	HID	SSN	Date of Birth	Sex	Status	INS ID#	AKA Name	User Defined Fields
FRESINIUS ...	WPER-6	WAH		01/01/2001	M	ACT			

Event Selection

Search found 1 active event for "FRESINIUS CATS,SN 6CAA2459"

Status	Start Date	Discharge Date	Billing Account #	Loc/Type	Physician 1	Physician 2
C	11/24/2014		9999999	WPER/OS	O10870 WAH,PERFUSIONIST	

Include inactive events

New Patient Modify Event New Episode Select Exit Help

3. Click on **Select** to proceed.



4. Verify that the Medical Record number and Analyzer type on the left hand top of the screen match the requisition.
5. Under General Information (left side) fill in the appropriate information in the highlighted boxes from the requisition.
  - Date defaults to the current Collect date. Verify that the specimen is from the current date.
  - Press the **Tab** key to go to the next box and insert **correct Collect time**.
  - Press **Tab** key to go to the Order Code box
6. Receive date and time will automatically populate the next boxes after you press the Tab key.
7. Verify the Order physician box defaults to O10870 WAH, Perfusionist. If default does not appear, insert O10870 in the box for Ordering Physician.
8. Press **Tab** key to reach Order account # box and verify the account number defaults to 999999. If it did not default, insert 999999 in the yellow box.
9. Press **Tab** key and to move to Phlebotomist code box. Type **905** as the phlebotomist code.
10. Press **Tab** key and leave the workload box vacant.
11. Press **Tab** key to move to the Order Code prompt.
12. Enter the correct test code listed on the requisition and press the **Tab** key.
13. Accession number is displayed. Click on the **Save** key.