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| CHI-FHS Logo | **WORK INSTRUCTION** |
|  **M-W-TS-0379-00** |
| aborh2 – second specimen |

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| [x]  **St. Joseph Medical Center, Tacoma, WA** **[x]  St. Francis Hospital, Federal Way, WA** [x]  **St. Clare Hospital Lakewood, WA**  | [x]  **St. Anthony Hospital Gig Harbor, WA**[x]  **St. Elizabeth Hospital Enumclaw, WA** **[ ]  Highline Medical Center Burien, WA**  | **[ ]  Harrison Medical Center, Bremerton, WA** **[ ]  Harrison Medical Center, Silverdale, WA** **[ ]  PSC**  |

**PURPOSE**

To describe when and how to order and perform an ABORH2 on patients.

**BACKGROUND**

A patient with no history of antibodies will be eligible for an electronic crossmatch after two separate ABORH collections have been drawn at different times – preferably by different people.

* A patient Type & Screen is the first collection for patients who might need a transfusion.
* ABORH2 is the 2nd collection drawn to confirm – or deny - the original TNS blood type.
* Both specimens must be tested for ABORH and found to have identical blood types.
* Testing of this second independently collected specimen increases patient safety.

***A second ABORH test will only be required once for a patient – as long as the blood types of the two specimens match – and is not required for any subsequent inpatient or outpatient visits.***

**SCRIPTING**

Patients who are coming to the hospital for the first time may be concerned when they realize that they must have both a Type & Screen and a second specimen collected later. We want them to feel comfortable with the process, so scripting is ideal for the standardized message it presents.

Example:

*“Your doctor has determined that you may need a blood transfusion.  A sample of your blood is needed to determine your blood type.  Your sample will be labeled with your name, birthdate, and medical record number. This test will determine which type of blood would be needed for your transfusion.*

*“Your safety is our number one priority.  Best medical practice requires the collection of two separate samples. The blood type of the second sample will be compared to the first sample to make sure both are the same type. We will ask you to state your identity each time we take a sample.*

*“We take all steps necessary to make sure you will have correctly matched blood.  The second sample helps us meet that goal. Thank you for understanding.”*

**RELATED DOCUMENTS**

J-W-TS-0110 ABORH – Tube Method

J-W-TS-0118 ABO Discrepancy Resolution

J-W-TS-0374 ABORH History Mismatch Resolution

M-PO-TS-0380 Mistransfusion Reduction Policy

M-W-TS-0168 Ordering Tests in Epic

**SPECIMEN**

***Pink and Lavender tubes from SAH, SCH, SEH, SFH are acceptable for ABORH2 testing****.*

**The specimen must be properly labeled and include:**

* Patient name
* Patient date of birth
* Medical Record Number (optional)
* Hand-written Date and Time of Collection. Do not check Epic for date/time.
* Collector’s initials

**ABORH2 PROCESS for PATIENTS LOCATED at SAH, SCH, SEH, SFH**

1. SJMC will determine if an ABORH2 is required by checking patient history

2. If needed, SJMC BB tech will review patient’s specimens in Beaker.

3. If there is an available specimen, SJMC BB tech will add ABORH2 to that specimen.

4. SJMC BB tech will contact your facility to:

1. Notify you of the specimen label that has been printed to your facility
2. Ask you to locate the specimen
3. Ask you to put the specimen on a packing list, and send it to SJMC

5. If there are no specimens that can be used for the ABORH2, SJMC BB tech will place a new ABORH2 order for the patient in Beaker.

6. A call will only be made if the specimen is needed urgently.

**ABORH2 PROCESS FOR STAFF at SJMC**

1. SJMC will determine if an ABORH2 specimen is required by checking patient history.
2. If needed, SJMC BB tech will review patient’s specimens in Beaker.
	1. Collection date/time must be different than when the TNS was collected.
	2. Lavender, blue, green (without gel), and pink tubes ordered at SJMC are acceptable for testing in STTx.

3. If an available **specimen is found and** **located at SJMC**, add the ABORH2 order to the specimen in Beaker:

* 1. Specimen Inquiry
	2. Specimen Update
	3. Add-ons > New orders
	4. Type ABORH and hit Search button
	5. New window will open with several options. ABORH2 is the test to choose. Hit “Accept”.
	6. Sign orders.
	7. If it asks you to choose the Authorizing provider, you may select: Wilkinson, Katie

4. If an available **specimen is found, but is** **located at another facility**

1. Change your Epic context to the lab facility where the specimen is located.
2. When you do, you will be able to add the ABORH2 order to the specimen.
3. Specimen Inquiry
4. Specimen Update
5. Add-ons > New Orders
6. Type ABORH and hit Search button
7. New window will open with several options. ABORH2 is the test to choose. Hit “Accept”
8. Sign orders. If it asks you to choose the Authorizing provider, you may select : Wilkinson, Katie
9. Print label to the lab where specimen is located.
10. Contact that lab to:
	* 1. Notify them of the label on their printer
		2. Ask them to locate the specimen
		3. Ask them to put it on a packing list and send it to SJMC

 k. *Change your Epic context back to SJMC when completed*.

5. If a **new specimen needs to be collected**, order ABORH2

1. Patient Station, double click on current encounter to open.

**Note:** Current Admission or Arrived Appointment are often highlighted in green.

 b. Order Entry tab

1. Type ABORH and hit Search button
2. New window will open with several options. ABORH2 is the test to choose. Hit “Accept”.
3. Sign orders. If it asks you to choose the Authorizing provider, you may select Wilkinson, Katie
4. The order will be put onto collection list for RN or lab, depending on patients status
5. Make a phone call only if need for ABORH2 is urgent

6. Receive specimen in Beaker.

**Note:** The order will go to the PW, but attached to the accession number for the TNS. We will correct that in the following steps.

7. Record specimen in STTx. (Using electronic button)

8. Open order profile of ABORH2. Change Specimen ID field to correct accession #

9. Deactivate ABORH2 specimen

1. Immediately click on specimen box in Patient-at-a-Glance bar. Patient specimen window appears.
2. Select specimen used for ABORH2.
	* 1. Change status to Inactive.
		2. Click OK.
		3. Click Close.
		4. Now close the order profile window.

10. Perform ABORH2 test and result it.

1. Find ABORH2 in PW
2. Select RE
3. Scan barcode for ABORH2 specimen
4. Record results
5. Save

11. Step 10 may be done immediately, as time allows, or as the patient situation requires the need for type-specific blood products. As long as the ABORH2 specimen is Inactive, any new orders will come to the active specimen used for the TNS.

12. If an urgent situation exists that requires immediate collection of the ABORH2 order, contact the SJMC specimen center for guidance.

**REFERENCES**

AABB Standards for Blood Banks and Transfusion Services, current edition

AABB Technical Manual, current edition

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| Eileen Cahill | X | 5/2/17 | X |  | A few comments from me done tle |
| Teri Emerson | Na-author |  |  |  |  |
| Linda Guay |  |  |  |  |  |
| Mike Harvey | X | 6/30/17 | Y |  | See comment |
| Inae Kim | X |  |  |  |  |
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| Andrew Tejero | X |  |  |  |  |
| Anne Tuttle | X |  |  |  |  |
| Joanne Walsh | X | 5/22/17- 6/30/17 |  |  | See comments done tleA few more comments |
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