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Owner: *Tim Malone: Manager, Transfusion Services*
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Applicability: *St. Anthony Hospital
St. Clare Hospital
St. Elizabeth Hospital
St. Francis Hospital
St. Joseph Medical Center*

ABORH2 – Second Specimen for Remote Sites, M-W-TS-0379-00

PURPOSE

To describe when and how to order an ABORH2 on patients at CHI Franciscan Health facilities other than St. Joseph Medical Center (SJMC).

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.

If the second specimen is not available and Prepare RBCs is ordered, then SJMC Transfusion Services will crossmatch group O, Rh identical RBCs from the original type and screen sample.

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	Mis-Transfusion Reduction Policy
M-W0TS-0384	ABORH2 - Specimen for SJMC

SPECIMEN

Pink and Lavender tubes from SAH, SCH, SEH, SFH are acceptable for adding the ABORH2 test.

The specimen must be properly labeled (or documented in EPIC) and include:

- Patient name
- Patient date of birth
- Medical Record Number (optional)
- Date and Time of Collection
- Collector's initials/name in EPIC

DETERMINING THE NEED FOR ABORH2

1. Log in to SafetraceTX and check patient history
 - a. Open the patient profile: File / Open / Patient
 - b. Enter the Patients name or MRN (MR No.) to bring up Patient Profile window.

The screenshot shows the SafetraceTX patient profile window. At the top, it displays Patient ID: 322000, Status: A Active, and Merged to ID: . Below this, there are fields for Name (Last, First, Middle, Prefix, Suffix), HC#, and Enterprise ID. A navigation bar includes tabs for General, Comments, Extended Typings, Special Needs, TxRx, Specimen, and Tests. The Tests tab is selected. Underneath, there are options to show pending or complete tests, along with date range filters and a Query button. A table of tests is displayed below.

Received Date	Time	Test	Interpretation	Test Status	Order ID	Order Item	Product Code	Unit No	Segment	Comment	Completion Date	Time
01/20/2018	11:01	XME	COMP	Completed	117855	XM	E0382V00	W141617577637			01/20/2018	11:46
01/20/2018	11:01	XME	COMP	Completed	117855	XM	E0382V00	W141617597554			01/20/2018	11:45
01/20/2018	06:54	EXMQUALIF	YES	Completed	117823	SJTS					01/20/2018	07:29
01/20/2018	06:54	HXCHECK	REV	Completed	117823	HXCHECK					01/20/2018	07:29
01/20/2018	06:54	SJABORH	OPOS	Completed	117823	SJTS					01/20/2018	07:28
01/20/2018	06:54	SJABSC	NEG	Completed	117823	SJTS					01/20/2018	07:28
06/13/2017	10:26	HXCHECK	NOHX	Completed	71700	HXCHECK					06/13/2017	14:07
06/13/2017	10:26	SJABORH	OPOS	Completed	71700	PNTS					06/13/2017	13:19
06/13/2017	10:26	SJABSC	NEG	Completed	71700	PNTS					06/13/2017	13:19

2. Click on the "Tests" tab.
3. Click on radio button for "Show Complete"
4. Look at the Test column to find ABORH test(s)
 - a. Possible ABORH tests to look for include:
 - SJABORH
 - ABORHE
 - ABORHG
 - ABORHT
 - BWABORH
5. In the "interpretation" column, confirm the presence of test results (O Neg, B Pos, etc).

- If at least one blood type is recorded in the test grid, you **do not need** another sample. The TNS in your hand **is** the second sample.
 - If no results are present, the test is still in process and can be looked up later.
6. Alternately, check the "Test" column for EXMQUALIFY. When an ABORH test is ordered at SJMC or Harrison hospitals it will contain the EXMQUALIFY piece that bloodbank staff must result as Yes or No.
 - If EXMQUALIFY **is present** and the corresponding Interpretation is **Yes** (meaning the sample qualifies), a second sample is **not needed**.
 7. If an EXMQUALIFY test **is not present**, count the number of ABORH tests in the Test column. **Two matching** Tests/Interpretations present means that another sample **is not needed**.
 8. If determination is made that a 2nd sample **is needed AND the ABORH2 needs to be collected**:
 - a. Order an ABORH2 test on the patient in EPIC
 - b. Dispatch a phlebotomist – or – notify the RN at the patient's location to collect a specimen and return it to the lab properly labeled.
 - c. Receive collected specimen in Beaker.
 - d. Put both the Type and Screen sample and th ABORH2 sample on a packing list and send to SJMC
 - e. Expedite all STAT Type and Screens to SJMC
 9. If determination is made that a 2nd sample is needed and a suitable sample is available in the Lab (lavender or pink) properly labeled, with a different collection time, add an ABORH2 test to the specimen
 - a. Log on to EPIC and use Specimen Inquiry to locate the correct specimen
 - b. Use Specimen Update to add the ABORh2 and update the collection time (if necessary)
 - c. Put both the Type and Screen sample and th ABORH2 sample on a packing list and send to SJMC
 - d. Expedite all STAT Type and Screens to SJMC

SJMC ASSISTANCE WITH REMOTE SITE ABORH2 ORDERING

1. SJMC BB tech will review patient's specimens in Beaker.
2. If there is an available specimen, SJMC BB tech will add ABORH2 to that specimen.
3. SJMC BB tech will contact remote facility to:
 - a. Notify that a specimen label that has been printed to that facility
 - b. Request the specimen be located and reviewed for acceptability – quantity, date, time, initials
 - c. Request that the specimen be put on a packing list and send to SJMC
4. 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.
 - a. A call will only be made only if the specimen is needed urgently.

REFERENCES

AABB Standards for Blood Banks and Transfusion Services, current edition

Attachments:

 [ABORH2_2.jpg](#)

Approval Signatures

Approver	Date
Arlene Brennan: Administrative Coordinator	07/2018
Adam Saenz: MD, Medical Director	06/2018
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Joren Keylock: MD, Medical Director	05/2018
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Applicability

St. Anthony Hospital, St. Clare Hospital, St. Elizabeth Hospital, St. Francis Hospital, St. Joseph Medical Center

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