**Purpose:**

To describe the preadmission protocol process for patients scheduled for surgery

**Policy:**

Qualification for the preadmission protocol requires a patient history of no pregnancy or red cell containing component transfusion within the last 3 months. These patients may have their pretransfusion samples drawn up to 30 days before a planned surgery or procedure. Patients who have been pregnant or transfused within the last 3 months or otherwise do not meet the acceptability criteria are disqualified and must have their sample drawn within 72 hours of the planned surgery or procedure.

**Process:**

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| **Step** | **Action** | **Related Documents** |
| **Initial Receipt** |
| 1 | **Collection*** Request and sample are collected by various clinics at HMC.
* Clinical care staff will draw the sample and document on the form that the answers to the following questions are “No”.
	+ “Have you been pregnant in the last 3 months?”
	+ “Have you received a transfusion in the last 3 months?”
* Signature of the questioner is required.
 | Transfusion Services Preadmission Testing & Red Blood Cell Order Form |
| 2 | **Receiving and Entering Preadmission Orders*** Sample and order for preadmission testing and/or blood products are received.
* TSL staff performs Sample Acceptance Evaluation and reviews the request:
	+ All order information completed.
	+ Documented answers to the required questions below.
	+ Signature of clinical staff asking the questions
* Incomplete forms will be evaluated. Completion by the clinical care staff is possible when:
	+ Signature is missing and staff member who asked the questions is available to come to TSL and sign the form.
* Specimens and paperwork that are not acceptable by our SOP will be rejected
* Enter or receive Orders into the LIS using current encounter location:
	+ Enter “Preadmission” in the Order Comments.
 | Sample Acceptance EvaluationSQ Order Entry ProcessSample Rejection Process |
| 3 | **Qualification for Extension of Compatibility Expiration Date (EXX):*** Open Blood Bank Inquiry (SQ)
* Access Patient Order List screen
* Review Antibody History
	+ Positive antibody history or positive antibody screen on current sample **are not** eligible for preadmission protocol.
	+ Enter “NOEXT” as a BBC which translates to “Sample ineligible to extend and expires three days from collection. Redraw if procedure is more than three days from collection.”
* Examine “Received By” and “Issued” columns for any orders in addition to the Preadmission order for the previous 3 months.
* If orders exist, look for PREN and/or Issued blood components.
	+ Patients who have had a prenatal test and/or received allogeneic red cell containing blood components (red blood cells and/or platelets) within the previous 3 months are ineligible for preadmission.
	+ Patients who have received blood components that do not contain allogeneic red blood cells (plasma and cryoprecipitate) may be eligible for preadmission.
	+ Enter “NOEXT” as a BBC
* Subtract the draw date from date of surgery/procedure.
	+ If less than or equal to 30, the patient may qualify for preadmission.
	+ If greater than 30 days, the patient does not qualify for preadmission.
* Confirm both questions are answered “No” and there is a signature of the clinical care staff who asked the questions.
* Proceed to testing.
 | SQ Using Blood Bank Inquiry |
| 4 | **Testing***Note: If the patient does not qualify for extension it is acceptable to perform testing but Antibody screen testing must be credited. The ABO/Rh result can be used as an ABRH2.** Perform ABO/Rh and Antibody Screen testing within 48 hours of sample draw.
* Clinic may or may not get the CPOE ABRH2 order.
* Perform ABRH2, if applicable:
* 2nd sample can be submitted with any order form it does not need the Preadmission Form to be resubmitted.
* 2nd sample can be drawn on admission.
* Patient will receive universal donor products until 2nd sample is received
 | ABO D Type by TubeAntibody Screen by LISS Tube MethodTANGO Operating ProceduresGuidelines for Antibody Identification |
| 5 | **Record Preadmission Eligibility*** If all parameters are met, the patient is eligible for extension of the compatibility validity date.
* Adjust the test EXX: The sample expires at the end of the 30th day or 3 days after surgery, whichever is sooner.
* Add a BBC comment:
	+ ;EXTS which translates to “Sample eligible to extend for planned procedure”
	+ Second sample for ABRH required (if applicable)
* No further notification is required.
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| **Ineligible Preadmission requests** |
| 5 | **Correction possible*** Signature missing for questions: Allow personnel who asked the questions and completed the form to come to TSL and sign.
* Missing surgery/procedure date: Call and request date. Record on Preadmission form.

**No correction possible** **or Patient does not meet sample acceptability requirement*** Do not adjust Compatibility Validity Date.
* Process as a routine TSCR
* Notify clinical care location:
	+ Failure and reason
	+ Status of order and blood components for transfusion
	+ Request new sample be collected upon admission for remaining testing (TSCR and/or ABRH2)
* Complete QIM and PSN.
* Add comment(s) and billing credits to SQ:
	+ Surgery/procedure date is ≤ 3 days in the future
		- Add BBC: NOEXT
* Surgery/procedure is >30 days
* Credit antibody screen (ASCR)
* Add BBC: NOEXT
 | Sample Acceptance EvaluationABO D Type by TubeAntibody Screen by LISS Tube MethodTANGO infinity: Sample Requirements and PreparationTANGO infinity: Initializing Test RunsTANGO infinity: Validation and Export of ResultsGuidelines for Antibody Identification |
| 6 | Preadmission Request: Passed and Failed* + File in the Preadmission Surgery Pending File by date of procedure
	+ Rack sample
 | Sample and Unit segment management process |
| **One Day prior to Surgery/Procedure** |
| 7 | **Confirm eligibility one day prior to surgery/procedure date:*** Repeat qualification check (step 3 above).
* Write “Checked”, date, and tech ID in the bottom right corner of the Preadmission form.
* If the patient no longer is eligible for preadmission:
	+ Notify clinical care location of failure and reason.
	+ Complete QIM and PSN.
	+ Review collection date:
		- Samples drawn within 3 days of surgery/procedure day can be used. Change EXX to surgery/procedure date or original 3 day expiration, whichever is longer.
		- Samples drawn more than 3 days prior to surgery/procedure cannot be used. Change EXX to that day’s date.
	+ Add BBC comment stating patient is not eligible for preadmission.
* Return request to Preadmission folder
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| **History of Antibodies or Current antibody screen positive** |
| 8 | * Notify the Lead and Medical Director if patient has a Positive Antibody History or Positive results on current sample
* Sample is only valid for 3 days post collection
* Identify the need for crossmatched blood products with the patient’s physician or TSL Medical Director
* Set up units per physician or TSL Medical Director notification
* If units need to be ordered from outside supplier, place order ahead to give adequate time for receipt and crossmatch for surgery
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| **Day of Surgery/Procedure** |
| 9 | Day of surgery/procedure, contact clinical care site and request sample if:* Preadmission order failed and an in-date sample is not available
* ABRH2 is required but has not been submitted.
* Patient has a positive antibody history and/or positive antibody screen.

Complete any required antibody identification and crossmatch units for antibody patients.File Preadmission requests in the Completed Orders file folder. |  |

**References:**

**Standards for Blood Banks and Transfusion Services, Current Edition. AABB. AABB Press, Bethesda, MD.**