**Purpose:**

To describe the process for receiving and testing samples when patients qualify for the preadmission protocol.

**Policy:**

Qualification for the preadmission protocol requires a patient history of no pregnancy or blood transfusion within the last 3 months. These patients may have their pretransfusion samples drawn up to 14 days before a planned surgery or procedure. Patients who have been pregnant or transfused within the last 3 months 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 | Receiving and Entering Preadmission Orders* Sample and order for preadmission testing and/or blood products is received on a Transfusion Services Preadmission Testing and Blood Product Order Form with the following requirements:
	+ All order information completed.
	+ Two signatures for patient ID verification
	+ Documented “No” answers to the required questions below.
* Pre-anesthesia 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?”
* Sample may be drawn up to 14 days in advance of surgery.
* The Sample expires at the end of the 14th day or 3 days after surgery, whichever is sooner.
* Enter Orders into the LIS using current encounter location:
	+ Enter “Preadmission” in the Order Comments.
 | Transfusion Services Preadmission Testing & Red Blood Cell Order FormSample Acceptance Evaluation |
| 2 | Qualification for Extension of Compatibility Expiration Date (EXX):* Open Blood Bank Inquiry (SQ)
* Access Patient Order List screen
* 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.
* Subtract the draw date from date of surgery/procedure.
	+ If less than or equal to 14, the patient may qualify for preadmission.
	+ If greater than 14 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.
* If the patient qualifies, proceed to testing.
* If the patient does not qualify, it is acceptable to perform testing but testing must be credited.
 | SQ Using Blood Bank Inquiry |
| 3 | 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

Patients with Positive Antibody History or Positive results on current sample **are not** eligible for preadmission.* + Do not extend the crossmatch validity date.
	+ Notify the Lead and Medical Director.
	+ A minimum of 2 RBCs must be crossmatched prior to surgery.
	+ TSL Medical Director may elect to crossmatch more units based on type of surgery.
 | ABO D Type by TubeAntibody Screen by LISS Tube MethodAntibody Screen by PeG Tube IAT MethodTANGO Operating ProceduresGuidelines for Antibody Identification |
| 4 | 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 14th day or 3 days after surgery, whichever is sooner.
* Add a BBC comment:
	+ “Preadmission Order for (surgery date)”, Date, Tech ID
* No further notification is required.
 |  |
| 5 | Ineligible Preadmission Requests:* Patient does not meet acceptability requirement but surgery/procedure date is ≤ 3 days in the future.
	+ Do not adjust Compatibility Validity Date.
	+ Process as a routine TSCR/TXM.
* 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:
	+ Process per appropriate SOP.
	+ Do not extend the crossmatch validity date.
* Notify clinical care location of failure and reason. Request new sample be collected upon admission.
* Complete QIM and PSN.
 | Sample Rejection Process |
| 6 | File Preadmission Request in the Preadmission Surgery Pending File and 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 2 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.
	+ Add comment as to status for use in completing Blood Product Requests: Can or Cannot be used
* Return request to Preadmission folder.
 |  |
| **Day of Surgery/Procedure** |
| 8 | Day of surgery/procedure, contact clinical care site and request sample if:* 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.**