**Purpose:**

To describe the process for receiving and testing prenatal samples from HMC clinics and HMC hospital

**Policy:**

Prenatal testing drawn at HMC will be routed to HMC Transfusion Services Laboratory for testing. Samples drawn elsewhere in the UW Medicine system will be routed to UWMC Transfusion Services Laboratory. Sample Acceptability standards are stated in this document.

**Process Overview**

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| --- | --- |
| **Role** | **Action** |
| **Providers at Clinic** | Provider orders prenatal testing in EPIC or using CPOE* Prenatal Panel Mnemonic is PNUWP3
* This panel includes the following tests:
* HBSAG (Hepatitis B)
* HCT (Hematocrit)
* PREN (ABO/Rh and Antibody Screen)
* Rubella
* Serologic Syphillis Panel
* An Epic Requisition will print when PNUWP3 is ordered and will accompany the sample
* A downtime Transfusion Services Testing and Blood Product Request Form is an acceptable alternative for ordering prenatal testing.
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| **Phlebotomist at Clinic** | * Collects sample.
* Labels the sample
* Attaches the requisition to the sample.
* Sends sample to HMC TSL.
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| **HMC SPS** | * Routes all PREN samples to HMC TSL
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| **HMC TSL** | * If sample is ordered in CPOE or EPIC receive specimen in ORM if necessary.
* Order PREN test and print ACCN and CID labels.
* Perform LINK for patient per SOP
* Tests samples per current SOPs.
* Validates results and posts to SQ via Blood Order Processing.
* Generates a Pending Log to identify in complete testing or missing samples.
* Stores sample and paperwork per SOPs.
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**TSL INTERNAL PROCESS**

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| **Step** | **Action** | **Related Documents** |
| **Sample Acceptability** | Sample Labeling requirements for PRENATAL samples is **different** than that for PRETRANSFUSION samples. The PRENATAL requirements are the following:* Full name and one of the following
* HID: H number is acceptable.
* Date of birth
* At least 1 phlebotomist signature. Two is acceptable, but not required.
* Date (Mo/Day/Yr) and time of draw.

**Unlike samples for Pretransfusion testing,** the following are **NOT** required for PRENATAL samples:* 2 Signatures
* Paper requisition with signatures and collection information.

Sample tube types:* Acceptable: EDTA either PINK or LAVENDER tops OR RED tops
	+ RED top specimens must be tested manually
* **UN**-acceptable: Serum Separator tubes containing silica gel.
* Notify clinics if sample is rejected, complete a QIM and PSN
 |  |
| **Testing** | * Will be batched and performed on TANGO automated platform whenever possible.
 | SQ Blood Order Processing |
| **Reporting Positive Antibody Screens on PRENATALS** | * Perform Antibody identification per current SOP.
* Titer all Prenatal Antibodies per current SOP.
* TSL Medical Director will make decisions regarding subsequent serial titrations on a case by case basis.
* Notify ordering physician of positive antibody screen and antibody identified
* Document read-back as a BBC
 | Guidelines for Antibody IdentificationAntenatal Antibody TitrationReporting Laboratory Results by Verbal Notification |
| **Reporting on Rh neg/weak D test results for PRENATALS** | If the prenatal testing has an Rh neg interpretation with no allo anti-D* Enter coded comment “RHNMH” under Blood Bank Comment (BBC).
	+ RHNMH translates to “This patient's red blood cells are Rh D negative. She is at risk for becoming immunized during pregnancy if her baby is Rh D positive. Consider giving Rh Immune Globulin at 28 weeks, with utero-invasive procedures, and upon delivery to prevent alloimmunization. Refer to Transfusion Services Consult or call Transfusion Services Laboratory 206-744-3088 for additional information.”
* Add test PRPATH to accession number
* Print Blood Bank Inquiry report and leave it in the Medical Directors review box
* When the medical directors have completed the consult, result PRPATH with the consulting medical director’s initials.

If the prenatal testing has a weak D interpretation or unresolved D discrepancy* Place copy of discrepancy workup in the Medical Directors review box
* Upon Medical Directors review, MLS tech will enter appropriate comment
 | SQ Blood Order Processing Test Result Guide |

**References**

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

Blood Bank User Guide, Misys Laboratory