



Online Clinical Competency Checklist - MLS 5304 Clinical Rotation in Immunohematology

LABORATORY CLINICAL EXPERIENCE OBJECTIVES

At the completion of the MLS 5304 course, the student will have successfully completed the following:

1. **Routine testing.** Perform or assist in performing routine testing (as deemed appropriate for students by the clinical facility) in the blood bank laboratory.
2. **Automated Instrumentation.** Perform testing on automated instrumentation used by the laboratory, if applicable. It is noted that not all blood banks have automated instruments in their facilities.
3. **Troubleshooting.** Troubleshoot testing performance problems and evaluate patient test results for critical values, short-sampling errors, and inappropriate specimens.
4. **Preventative Maintenance.** Correctly perform or assist in performing daily and weekly preventative maintenance on the blood bank equipment routinely used in the laboratory.
5. **Calibration.** Review the calibration procedures for any blood bank equipment used in the laboratory.
6. **Quality Control.** Perform daily/shift QC procedures on the analyzers or test methods used in the blood bank. The student will have the opportunity to learn the laboratory's SOP for resolving QC discrepancies, and then correctly apply those procedures, including all required documentation activities.
7. **Reporting results.** Correctly report test results (STATS, critical values, etc.) by entering data into the laboratory information system (if applicable) and/or by telephone to a nurse, physician or other appropriate health care professional, according to the SOP used by the laboratory.

Students should work with their respective mentors to complete the listed objectives. Accuracy, precision, timely reporting of results and demeanor must comply with the laboratory's acceptable standards. While working in the laboratory, the student must meet laboratory standards for work habit skills in patient confidentiality, communication skills, laboratory safety, universal precautions, waste disposal, equipment, and work area maintenance. It is requested that the student's laboratory competency evaluation be completed by the clinical mentor **in the presence of the student**, so as to allow verbal feedback to the student regarding the student's progress and performance. It is understood that not all laboratories will offer the same clinical experience, but mentors should try to accomplish all items in the checklist if the services are available at that location.

Note: As part of the National Accrediting Agency for Clinical Laboratory Sciences (NAACLS) accreditation regulations, no student may engage in **service work** during their clinical experience. All laboratory test results generated by students during their clinical hours must be directly supervised by clinical laboratory staff. While the student is performing their clinical hours, they must be performing duties as a student, and not an employee.

Course Instructor: _____

Mentors (list all for this course): _____

Facility: _____

For questions about this competency checklist, please contact the instructor: Justin Rhees at justinrhees@weber.edu

Student: _____ Wildcat ID # _____

We realize that students at different facilities might have previous experience with blood banking/ transfusion services. Students that have already been certified by your facility as competent for any of the individual skills listed do not need to repeat the lab assignment for that particular skill. In addition, if the student has been working in blood bank and is proficient in **all areas** on the checklist, there is an option for them to complete a project in lieu of the competency checklist. Below are the guidelines:

- The project needs to revolve around blood banking technology/ transfusion medicine.
- The project needs to be approved by the student's mentor and the blood bank professor.
- The mentor still needs to sign off that the student is competent on the blood bank procedures listed in competency checklist.
- The project needs to take the minimum amount of hours that the student would have been required to complete in the blood bank lab (160 hours).
- The student must submit a lab log each week within their blood bank canvas course describing what they have done so far on the project, and how many hours they have completed.
- The student must perform this project off the clock (unpaid hours).

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Student: _____ Wildcat ID # _____

General Immunohematology	Mandatory	Expected Score	Student Score	Date	Mentor initial
Student has completed a general orientation of the immunohematology laboratory	M	1			
Correctly processes patient specimens & proper handling to avoid or eliminate errors	M	5			
Correctly prepares 2-4% red blood cell suspensions	M	5			
Demonstrates proper technique in reading and grading agglutination reactions.	M	5			
Correctly performs ABO groupings (forward and reverse), and resolves any discrepancies appropriately: 25-50 specimens	M	5			
Correctly performs Rh typing (50 procedures, both positive and negative)	M	5			
Correctly performs weak D (Du) determinations (if applicable)		4			
Correctly performs antibody screening tests (25 procedures)	M	5			
Correctly performs direct antiglobulin tests (10 DATs)	M	5			
Correctly demonstrates knowledge of A subgrouping		3			
Correctly demonstrates knowledge of Rh phenotyping (Perform 10 Rh Phenotypes)		3			
	Mandatory	Expected Score	Student Score	Date	Mentor initial
The following list of competency items may be signed off concurrently with the previous section at the mentor's discretion.					
Performs necessary quality control with all test procedures	M	5			
Keeps work area clean/organized	M	5			
Chooses correct reagent for each test to be performed	M	5			
Organizes blood bank tasks in proper sequence	M	5			
Correctly performs compatibility testing (10 crossmatches)	M	5			
Demonstrates a working knowledge of the blood bank SOPs.	M	4			
Correctly issues blood and blood products	M	4			
Correctly performs antibody identification procedures, if applicable.		4			
Correctly demonstrates knowledge of antigen typing (Perform 10 Phenotypes)		4			
Correctly demonstrates knowledge of elution techniques for facility (perform 2 elutions)		3			
Correctly demonstrates knowledge of transfusion reaction workups for facility		3			
Correctly performs cord blood testing (10 procedures)		4			
Correctly determines OB patient candidacy for Rh immune globulin		4			
Correctly performs fetal screens (5 fetal rosette tests)		4			
Correctly performs KB Stain (if applicable)		4			
Demonstrates knowledge of proper blood component selection for HDN transfusions		4			
Correctly selects and pools random donor platelets (if applicable)		4			
Correctly selects single donor platelet pheresis units for patients (if applicable)		4			
Correctly selects and thaws fresh frozen plasma		4			
Correctly uses blood cell washer (as available)		4			

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Student: _____

Wildcat ID # _____

Demonstrates knowledge of facility's policies regarding leukoreduction (as available)		1			
Demonstrates knowledge of facility's policies regarding irradiated units (as available)		1			
Correctly thaws and pools cryoprecipitate (if applicable)		1			
Student demonstrates honesty by:					
Maintaining strict patient confidentiality	M	5			
Accepting control values only when within acceptable limits	M	5			
Performing and documenting daily & weekly maintenance procedures, preventative maintenance, temperature checks, etc.	M	5			
Student demonstrates honesty by (Continued):	Mandatory	Expected Score	Student Score	Date	Mentor initial
Completing all procedures in adherence to laboratory SOPs, taking no shortcuts or unauthorized modifications of procedure	M	5			
Student demonstrates personal interactive skills and proper professional behavior by:					
Working with co-workers in a positive manner, promoting productive workflow.	M	5			
Refraining from making statements or actions that represent sexual, ethnic, racial, or homophobic harassment.	M	5			
Willingly and consistently using appropriate personal safety devices when handling caustic, infectious, or hazardous materials.	M	5			
Completing all required tasks and remaining in the work area when scheduled.	M	5			
Being punctual whenever scheduled.	M	5			
Adhering to current dress and appearance in the laboratory setting.	M	5			
Cleaning the work area when leaving the laboratory, returning supplies to appropriate storage location, & disinfecting all work areas used by the student.	M	5			
Student demonstrates professional responsibility by:					
Correctly reporting all patient test values, as well as recognizing and correctly reporting all patient critical test values.		2			
Resolving discrepancies in specimen labeling, handling, or collection before reporting results.		4			
Hours completed by student:					
Minimum time required for this lab competency is 160 hours. Mentors are encouraged to increase the number of hours dependent on individual student need. Please verify the number of hours your student spent:	M	160 hours			
Based on performance is this the type of person you would consider for potential employment?			Y <input type="checkbox"/>	N <input type="checkbox"/>	