



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:

- 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

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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).

Student		Wildcat ID #	
	LEVELS OF ACHIEVEM	NT/SCORING KEY	
1:	Discussed: Process was discussed, principle explained, stude	nt acknowledges an understanding of the process or princ	iple.
	Demonstrated: Process has been performed and demonstration and has been allowed to ask questions as needed. The ble by verbally explaining the process or principle back to the practice.	student acknowledges an understanding of the process or	
	Practiced: Student has <i>practiced</i> the process under the direct demonstrates knowledge of how to perform the process or tathout having to demonstrate any particular competency at that	sk by actual performance under direct, maximum supervisi	
4: instruct	Maximum Supervision: The student has performed the procestor, and with the level of competency required by the laborator		m
5: the pra	Minimum Supervision: The student can perform the process acticum instructor, and the performance meets the level of com		-
N/A:	Not Available: The nature of the laboratory does not allow t	ne student access to the equipment/test method.	
item is i discusse pass. N, Please r mentor	The competencies will be graded for a total of 100 pts. Points will not available at the lab, please N/A that area so the student do sed with the student, please write, " $1 - N/A$ ". Students must ach al/A is not acceptable with criteria denoted as Mandatory, which note that the goal of the lab competencies is for your mentor to r does not feel that the minimum required time is adequate, you had bank lab.	es not lose points. If something is not available, but was ieve a minimum of 80% on their competency checklist in chis indicated with an "M" in the mandatory column. In feel comfortable with your ability in the blood bank lab. I	order to
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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	М	1			
immunohematology laboratory	IVI	1			
Correctly processes patient specimens & proper handling to avoid or	М	5			
eliminate errors	101	3			
Correctly prepares 2-4% red blood cell suspensions	М	5			
Demonstrates proper technique in reading and grading agglutination	М	5			
reactions.	IVI	3			
Correctly performs ABO groupings (forward and reverse), and resolves	М	5			
any discrepancies appropriately: 25-50 specimens	IVI	3			
Correctly performs Rh typing (50 procedures, both positive and	М	5			
negative)	101	3			
Correctly performs weak D (Du) determinations (if applicable)		4			
Correctly performs antibody screening tests (25 procedures)	М	5			
Correctly performs direct antiglobulin tests (10 DATs)	М	5			
Correctly demonstrates knowledge of A subgrouping		3			
Correctly demonstrates knowledge of Rh phenotyping (Perform 10 Rh		2			
Phenotypes)		3			
	Mandatory	Expected Score	Student Score	Date	Mentor initial
The following list of competency items may be signed off concurrently	with the previ	ous section a	at the mento	or's discre	tion.
Performs necessary quality control with all test procedures	М	5			
Keeps work area clean/organized	М	5			
Chooses correct reagent for each test to be performed	М	5			
Organizes blood bank tasks in proper sequence	М	5			
Correctly performs compatibility testing (10 crossmatches)	М	5			
Demonstrates a working knowledge of the blood bank SOPs.	М	4			
Correctly issues blood and blood products	М	4			
Correctly performs antibody identification procedures, if applicable.					
		4			
Correctly demonstrates knowledge of antigen typing (Perform 10					
Correctly demonstrates knowledge of antigen typing (Perform 10 Phenotypes)		4			
		4			
Phenotypes)					
Phenotypes) Correctly demonstrates knowledge of elution techniques for facility		3			
Phenotypes) Correctly demonstrates knowledge of elution techniques for facility (perform 2 elutions)		4			
Phenotypes) Correctly demonstrates knowledge of elution techniques for facility (perform 2 elutions) Correctly demonstrates knowledge of transfusion reaction workups for		3			
Phenotypes) Correctly demonstrates knowledge of elution techniques for facility (perform 2 elutions) Correctly demonstrates knowledge of transfusion reaction workups for facility		3 3			
Phenotypes) Correctly demonstrates knowledge of elution techniques for facility (perform 2 elutions) Correctly demonstrates knowledge of transfusion reaction workups for facility Correctly performs cord blood testing (10 procedures)		3 3 4			
Phenotypes) Correctly demonstrates knowledge of elution techniques for facility (perform 2 elutions) Correctly demonstrates knowledge of transfusion reaction workups for facility Correctly performs cord blood testing (10 procedures) Correctly determines OB patient candidacy for Rh immune globulin		4 3 3 4 4			
Phenotypes) Correctly demonstrates knowledge of elution techniques for facility (perform 2 elutions) Correctly demonstrates knowledge of transfusion reaction workups for facility Correctly performs cord blood testing (10 procedures) Correctly determines OB patient candidacy for Rh immune globulin Correctly performs fetal screens (5 fetal rosette tests)		4 3 3 4 4 4 4			
Phenotypes) Correctly demonstrates knowledge of elution techniques for facility (perform 2 elutions) Correctly demonstrates knowledge of transfusion reaction workups for facility Correctly performs cord blood testing (10 procedures) Correctly determines OB patient candidacy for Rh immune globulin Correctly performs fetal screens (5 fetal rosette tests) Correctly performs KB Stain (if applicable)		4 3 3 4 4 4			
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Student:	Wildca	at ID #			
Demonstrates knowledge of facility's policies regarding leukoreduction		1			
(as available)		1			
Demonstrates knowledge of facility's policies regarding irradiated units		1			
(as available)		1			
Correctly thaws and pools cryoprecipitate (if applicable)		1			
Student demonstrates honesty by:					
Maintaining strict patient confidentiality	М	5			
Accepting control values only when within acceptable limits	М	5			
Performing and documenting daily & weekly maintenance procedures,					
preventative maintenance, temperature checks, etc.	М	5			
Student demonstrates honesty by (Continued):	Mandatory	Expected	Student	Date	Mentor
• • • • • • • • • • • • • • • • • • • •	- Widiladdory	Score	Score	Dute	initial
Completing all procedures in adherence to laboratory SOPs, taking no	М	5			
shortcuts or unauthorized modifications of procedure					
Student demonstrates personal interactive skills and proper profession	al behavior by	/ :	1	1	1
Working with co-workers in a positive manner, promoting productive	М	5			
workflow.					
Refraining from making statements or actions that represent sexual,	М	5			
ethnic, racial, or homophobic harassment.					
Willingly and consistently using appropriate personal safety devices	М	5			
when handling caustic, infectious, or hazardous materials.	'*'				
Completing all required tasks and remaining in the work area when	M	5			
scheduled.	141	,			
Being punctual whenever scheduled.	М	5			
Adhering to current dress and appearance in the laboratory setting.	М	5			
Cleaning the work area when leaving the laboratory, returning supplies					
to appropriate storage location, & disinfecting all work areas used by	М	5			
the student.					
Student demonstrates professional responsibility by:					
Correctly reporting all patient test values, as well as recognizing and		2			
correctly reporting all patient critical test values.		2			
Resolving discrepancies in specimen labeling, handling, or collection		4			
before reporting results.		4			
Hours completed by s	student:				
Minimum time required for this lab competency is 160 hours. Mentors					
are encouraged to increase the number of hours dependent on	М	160			
individual student need. Please verify the number of hours your		hours			
student spent:		1	<u> </u>	<u> </u>	
Based on performance is this the type of person you would consider for p	otential emp	ioyment?	Υ [N	