Online Clinical Competency Checklist - MLS 310 Urinalysis and Body Fluids

LABORATORY CLINICAL EXPERIENCE OBJECTIVES

At the end of Urinalysis and Body Fluids, MLS 310, the student will be able to:

1. Demonstrate the ability to process specimens in the clinical urinalysis and body fluid laboratory with safe biohazardous handling to generate accurate laboratory data. (pre-analytical)

2. Perform waived and moderate complexity tests on clinical specimens. (analytical)

3. Describe the major clinical tests performed on urines and body fluids and correlate abnormal findings to specific diseases (analytical)

4. List the normal reference ranges used in interpretation of urinalysis and body fluids laboratory data.

5. Apply QC rules for the determination on validity of obtained laboratory results.

6. Outline urinalysis laboratory data that correlates with normal and abnormal renal function.

7. Identify the normal and abnormal urinary sediment cellular structures and crystals.

8. Differentiate major clinical tests performed on urines and body fluids and correlate abnormal findings to specific disease manifestations

9. Identify the differentiating criteria to distinguish transudate and exudate fluid specimens.

10. List the current diagnostic tests performed on cerebral spinal fluid and identify abnormal results with disease states.

11. Upon conclusion of testing exercises, the student will be able to justify the omission of erroneous results and offer resolution to rectify results.

12. Follow written and verbal instructions.

12. Prioritize tasks and work concurrently on at least two different tasks.

13. Advocate respect for self and others while working independently and in groups.

Students should work together with their respective mentors to complete the listed objectives. Accuracy, precision, timely reporting of test 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, and equipment/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.

Note: As part of the National Accrediting Agency for Clinical Laboratory Sciences (NAACLS) accreditation regulations, no student may engage in service work during his/her 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. Definition of Service Work: Providing or generating results of clinical tests on patient samples without direct supervision of clinical staff or supervisor managers which exceeds the expected component required for the educational process.

Course Instructor: _____

Clinical Preceptor(s):_____

Clinical Site(s):_____

Student name: _____

SCORING KEY

1: Discussed: Process was discussed, principle explained, student acknowledges an understanding of the process or principle.

2: Demonstrated: Process has been performed and demonstrated by the practicum instructor. Student has observed demonstration and has been allowed to ask questions as needed. The student acknowledges an understanding of the process or principle by verbally explaining the process or principle back to the practicum instructor.

3: Maximum Supervision: The student has performed the process under the direct, maximum supervision of the practicum instructor, and with the level of competency required by the laboratory for that task or process.

4: Minimum Supervision: The student can perform the process satisfactorily with only minimum or non-direct supervision by the practicum instructor, and the performance meets the level of competency required by the laboratory for that task or process.

N/A: Not Available: The nature of the laboratory does not allow the student access to the equipment/test method.

Note: The competencies will be graded for a total of 100 pts. Points will be deducted for competency categories that are not met. If an item is not available at the lab, please N/A that area so the student does not lose points. If something is not available, but was discussed with the student, please write, "1 – N/A". Students must achieve a minimum of 80% on their competency checklist in order to pass.

Please have all clinical preceptors sign and date below.

Clinical Preceptor Signature _____ **Date** _____

Clinical Preceptor Signature _____ **Date** _____

Clinical Preceptor Signature _____ **Date** _____

Clinical Preceptor Signature _____ **Date** _____

Comments:

Student name: _____

Urinalysis	**Mandatory Skill**	**Expected Score**	**Student Score**	**Date complete**	**Mentor initial**
Correctly identifies urine sample based on color and character.	M	4			
Follows correct laboratory procedures in performing urine dipstick analysis.	M	4			
Follows procedures for urine confirmatory testing (SSA, Clinitest, Acetest, & Icotest).		1			
Follows correct laboratory procedures in performing manual urine microscopic analysis.	M	4			
Correctly identifies common cellular elements found in urine samples.	M	4			
Correctly identifies common crystals found in urine samples.		4			
Correctly identifies common casts found in urine samples.		4			
Distinguishes common microscopic artifacts from urinary formed elements.		4			
Demonstrates the ability to operate instrumentation used for routine urinalysis testing.		4			
Proficient in daily/weekly preventative maintenance on equipment used for urinalysis.		4			
Performs urinalysis daily/shift QC procedures according to lab standards.		4			
Evaluates urinalysis cumulative QC data for abnormalities.		1			
Lab Safety					
Strictly adheres to the Universal Precautions policy of the facility.	M	4			
Wears protective gear as outlined by the facility.	M	4			
Knowledgeable of and demonstrates proper disposal technique of biohazard materials.		3			
Always washes hands before leaving the laboratory area.		3			
Knowledge of safety shower, eyewash station, & other applicable safety equipment.		3			
Student demonstrates honesty by:					
Maintaining strict patient confidentiality	M	3			
Accepting control values only when within acceptable limits	M	3			
Performing and documenting daily & weekly maintenance procedures, preventative maintenance, temperature checks, etc.	M	3			
Completing all procedures in adherence to laboratory SOPs, taking no shortcuts or unauthorized modifications of procedure	M	3			
Student demonstrates personal interactive skills and proper professional behavior by:		**Expected Score**	**Student Score**	**Date complete**	**Mentor initial**
Working with co-workers in a positive manner, promoting productive workflow.	M	3			
Refraining from making statements or actions that represent sexual, ethnic, racial, or homophobic harassment.	M	3			
Willingly and consistently using appropriate personal safety devices when handling caustic, infectious, or hazardous materials.	M	3			
Completing all required tasks and remaining in the work area when scheduled.	M	3			
Being punctual whenever scheduled.	M	3			
Adhering to current dress and appearance in the laboratory setting.	M	3			
Cleaning the work area when leaving the laboratory, returning supplies to appropriate storage location, & disinfecting all work areas used by the student.	M	3			

Student name: _____

Student demonstrates professional responsibility by:					
Correctly reporting all patient test values, as well as recognizing and correctly reporting all patient critical and/or abnormal test values.	M	4			
Resolving discrepancies in specimen labeling, handling, or collection before reporting results.	M	4			
Hours completed by student:					
Minimum time required for this lab competency is 48 hours. Mentors are encouraged to increase the number of hours dependent on individual student need.		48 hours			
Based on performance is this the type of person you would consider for potential employment?			Y ☐	N ☐	