Unit 90: Performing Urine Dip Stick Analysis

Level:	**4**
Unit type:	**Optional (Urodynamics and Urology)**
Credit value:	**7**
Guided learning hours:	**54**

Unit summary

In this unit, you will gain the knowledge, understanding and skills needed to be able to perform urine dip stick analysis. You will be expected to build your patient-centred professional practice and practise safely in the workplace.

Unit assessment requirements

There are no specific assessment requirements for this unit. Please refer to the assessment strategy in *Annexe B*.

Additional information

It is suggested that learners will have completed the following units:

- **Level 2 Unit 26: Anatomy and Physiology: Urogenital System**
- **Level 2 Unit 93: Performing a Urine Flow Test**
- **Level 4 Unit 11: Scientific Basis of Healthcare Science (1): Clinical Science**
- **Level 4 Unit 90: The Urinary System**

or have appropriate experience before completing this unit.

All procedures must be undertaken in accordance with the Standard Operating Procedure (SOP).

AC2.1 includes:

- introducing self by name and explaining role
- appropriate use of non-verbal communication
- providing information in a timely manner in appropriate language
- listening to the individual and addressing questions or seeking advice from senior colleagues
- communication during and after the test
- communicating in a way that:
    - respects the dignity, rights, privacy and confidentiality of the individual/carer
    - considers and addresses potential cultural differences (undressing etc.), determines when it may be necessary to invite a family member to be present.

AC2.3 includes:

- following the correct procedures in relation to health and safety:
  - wearing appropriate personal protective equipment (PPE) before performing the urine test
- collecting the correct equipment for urine testing
- checking the reagent strips are in date
- correctly identifying the person requiring urine testing
- advising the individual which type of sample is required and how to obtain a sample without contamination
- washing hands before performing the urine test
- obtaining a fresh urine sample in an appropriate container.

AC2.4 includes:

- using the correct technique to accurately test the person's urine sample, following manufacturers' instructions and national guidance, including:
  - fully dips the reagent strip in the urine
  - removes strip immediately and excess urine is removed
  - holds strip at an angle to avoid mixing
  - records the result for each test pad on the strip after the correct time interval.

Learning outcomes and assessment criteria

To pass this unit, learners need to demonstrate that they can meet all the learning outcomes for the unit. The assessment criteria outline the requirements that the learner is expected to meet **in own area of work and in accordance with Standard Operating Procedures (SOPs)** to achieve the learning outcomes and the unit.

Learning outcomes		Assessment criteria		Evidence type	Portfolio reference	Date
1	Understand the principles underpinning urine dip stick analysis	1.1	Explain the indications and limitations of urine dip stick analysis			
		1.2	Explain the importance of obtaining a midstream specimen			
		1.3	Explain the need to use a clean sterile container			
		1.4	Explain the process for collecting a specimen from a catheter			
		1.5	Compare the characteristics of normal urine to common abnormal findings from urine dip stick analysis			
		1.6	Explain the difference between qualitative and semi-quantitative strips			
		1.7	Describe the use of urine microscopy			

Learning outcomes		Assessment criteria		Evidence type	Portfolio reference	Date
2	Be able to perform urine dip stick analysis	2.1	Explain the procedure to the patient using effective communication skills			
		2.2	Gain and document informed consent			
		2.3	Obtain a urine specimen from the patient in accordance with standard operating procedures			
		2.4	Use the correct technique to accurately test the urine sample, following manufacturers' instructions and national guidance			
		2.5	Read the test results with an awareness of the indicators and possible causes of abnormal results			
		2.6	Complete appropriate documentation for the analysis			
		2.7	Clean all testing equipment in accordance with Standard Operating Procedures			
		2.8	Dispose of the personal and protective equipment in accordance with Standard Operating Procedures			

Learner name: _____ Date: _____

Learner signature: _____ Date: _____

Assessor signature: _____ Date: _____

Internal verifier signature: _____ Date: _____
(*if sampled*)