

T Level Technical Qualification in Healthcare Science

Occupational specialism assessment (OSA)

Assisting with Healthcare Science

Assignment 2

Assignment brief

v1.1: Additional sample material
21 November 2023
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Task 1: assist with specimen collection and point of care test (POCT)

Brief

A 52 year old individual attends their walk-in clinic presenting with frequency of passing urine. They are obese and have type 2 diabetes that is managed through diet. The doctor requests a midstream urine sample for multi-dipstick testing by the healthcare science assistant. The urine should also be forwarded to the laboratory for culture and sensitivity testing to eliminate a urinary tract infection. Upon testing, the healthcare science assistant notices the glucose result is abnormal and informs the doctor. The doctor requests an immediate glucose point of care test (POCT), which the healthcare science assistant arranges and performs on the patient.

You must carry out glucose level testing on the patient's urine sample and collect and prepare a second sample for further analysis by the laboratory team.

Task

You must assist by carrying out the following stages.

1(a) Prepare for specimen collection

1(b)(i) Complete urine specimen collection for glucose testing, to include:

- label and register patient samples

1(b)(ii) Complete urine dipstick test for glucose. Prepare documentation and package a second sample for transport, dispatch to microbiology laboratory for testing

1(c) Record and report the results (using the image provided by the assessor) and carry out post-examination cleaning and storage of equipment

(58 marks)

Conditions of the assessment

- task 1 must be completed in supervised conditions
- you will only have access to materials permitted by your tutor and available in the designated assessment area
- you will have a maximum of 30 minutes to complete this task

Task 2: carry out point of care test (POCT)

Brief

The doctor has additionally requested the patient be issued with a glucose meter so they can track their blood glucose levels and keep a record of these in a logbook.

Task

You must demonstrate how to carry out glucose level testing on the patient's blood sample using a finger prick collection method and glucose meter. You must also demonstrate how to record the results and explain to the patient the need to regularly test and record all tests for their blood glucose levels.

You must assist by carrying out the following stages:

- 2(a) Prepare for finger prick blood glucose test, including explaining the procedure to the patient.
- 2(b) Carry out the finger prick blood glucose test.
- 2(c) Record and report the results and carry out post-examination cleaning and storage of equipment.

(42 marks)

Conditions of the assessment

- task 2 must be completed in supervised conditions
- you will only have access to materials permitted by your tutor and available in the designated assessment area
- you will have a maximum of 25 minutes to complete this task

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Change History Record

Version	Description of change	Approval	Date of issue
v1.0	Additional sample material		01 September 2023
v1.1	Sample added as a watermark	November 2023	21 November 2023