

# T Level Technical Qualification in Healthcare Science

Occupational specialism assessment (OSA)

## Assisting with Healthcare Science

Assignment 2

Assignment brief

v1.3: Specimen assessment materials  
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## Assignment brief

Assignment 2

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# Task 1: assist with specimen collection and point of care test (POCT)

## Brief

You are based within an outpatient clinic in the local community hospital working as a healthcare science assistant as part of the multi-disciplinary team.

A patient has been referred to you who has been requested by the clinician to submit a mid-stream urine sample for investigation of infection.

## Task

You must assist by carrying out the following stages:

1(a) Prepare for urine mid-stream specimen collection.

1(b)(i) Complete urine mid-stream specimen collection to include:

- label and register patient samples

1(b)(ii) Complete a urine dipstick test on the collected sample and send another sample for microbiology testing, to include:

- using the sample in the plain sterile container, carry out a POCT and check the sample for protein, haematuria, glucose and pH
- using the provided results discuss findings with a senior colleague and record findings in patient details form
- prepare the second collected sample (red topped boric acid container) for transportation to the microbiology department requesting culture and sensitivity testing on the patient's mid-stream urine sample
- carry out an electronic request to the microbiology department for the patient's mid-stream culture and sensitivity before the sample is dispatched

1(c) Record and report the results 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

You are working as a healthcare science assistant in a busy multidisciplinary general outpatient department and you need to check the blood sugar of a patient with type 1 diabetes before further tests and examinations can be carried out.

### Task

Use a blood glucose meter to perform a blood glucose measurement on the patient.

You must assist by carrying out the following stages:

- 2(a) Prepare for blood glucose test including explaining the procedure to the patient.
- 2(b) Carry out the blood glucose test including carrying out quality control (QC) on the device.
- 2(c) Record and report the results provided to you 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

## Document information

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## Change History Record

Version	Description of change	Approval	Date of Issue
v1.0	Post approval, updated for publication.		January 2021
v1.1	NCFE rebrand.		September 2021
v1.2	OS review Feb 23		February 2023
v1.3	Sample added as a watermark	November 2023	17 November 2023