

<b>Title:</b>	Understanding Laboratory Techniques and Blood Analysis
<b>Level:</b>	3
<b>Credit value:</b>	2
<b>GLH:</b>	14
<b>Unique Reference Number:</b>	L/618/0483
<b>Sector Subject Area:</b>	1.3 Health and Social Care
<b>Aim:</b>	The aim of this unit is to provide learners with the skills and knowledge to be able to support effective phlebotomy and blood testing practices. Learners will understand the importance of maintaining sample integrity, recognise how the quality, accuracy, and precision of testing can be affected during phlebotomy, and be able to identify commonly used blood tests along with their purposes, procedures, and potential outcomes. This will enable learners to contribute confidently to safe, accurate, and reliable diagnostic processes in clinical settings.
<b>Assessment Type:</b>	Assessment of this unit will be through an internally set and internally assessed portfolio of evidence.
<b>Assessment Guidance:</b>	Assessment decisions for skills-based learning outcomes must be made during the learner's normal work activity. Skills-based assessment must include direct observation as the main source of evidence and must be carried out over an appropriate period of time.

### Learning outcomes

*The learner will:*

1. Be able to understand the importance of retaining the integrity of the sample.

#### **Delivery content:**

The aim of this learning outcome is to provide learners with the knowledge and skills to understand the importance of maintaining the integrity of samples, recognise the key factors that can affect samples, and describe how samples may be compromised to ensure accurate and reliable results in practice.

The learner must:

- 1.1 Explain the importance of retaining the integrity of the sample.
- 1.2 Describe the key factors that can affect the sample.

1.3 Describe how the sample may be affected.

2. Be able to know how aspects of the testing process can be affected during phlebotomy.

**Delivery content:**

The aim of this learning outcome is to provide learners with the knowledge and skills to understand how key aspects of the testing process—quality, accuracy, and precision—can be affected during phlebotomy, enabling them to apply best practices to maintain high standards in sample collection and testing.

The learner must:

2.1 Explain how the following aspects of the testing process can be affected during phlebotomy:

- (a) quality;
- (b) accuracy;
- (c) precision.

3. Be able to understand the most commonly used blood tests.

**Delivery content:**

The aim of this learning outcome is to provide learners with the knowledge and skills to able to identify the most commonly used blood tests and describe the purpose, reasons for undertaking each test, and the potential results, supporting their ability to contribute effectively to patient care and diagnostic processes.

The learner must:

3.1 Identify the most commonly used blood tests.

3.2 For each test identified describe:

- (a) the purpose of the test;
- (b) possible reasons why the test is being undertaken;
- (c) the possible results of the test.