

Unit 35: Histology in Practice

Level:	4
Unit type:	Optional (Laboratory Science)
Credit value:	30
Guided learning hours:	240

Unit summary

In this unit, you will apply the knowledge and skills gained in *Unit 19: General Laboratory Practice* to work in a histology setting. You will also be required to demonstrate appropriate attitudes and behaviours and integrate your learning as you develop your professional practice.

Unit assessment requirements

There are no specific assessment requirements for this unit. Please refer to the assessment strategy in *Annexe B*. **Learners completing this unit must also complete *Unit 19: General Laboratory Practice*.**

Additional information

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

AC1.1 includes:

- small biopsy type specimens:
 - endoscopic biopsies
 - skin
 - breast cores
 - prostate cores
 - bladder biopsies
 - liver cores
 - gynaecology specimens e.g. endometrial curetting
- surgical resection specimens:
 - breast
 - bowel
 - prostate
 - gynaecology, e.g. uterus
 - kidney.

AC2.5 examples include:

- skin
- breast
- bowel to include endoscopic biopsies
- gynaecology e.g. uterus and fallopian tubes.

AC2.7 examples include:

- gut
- breast
- prostate
- skin

and stains:

- haematoxylin and eosin.

AC3.1 requires the learner to describe **three** examples.

AC3.2 requires the learner to use the same **three** examples as used in 3.1.

AC3.3 requires the learner to use **one** patient pathway.

AC3.4 includes the contribution to the delivery of a high-quality, safe, patient-centred service.

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 and practice of histology	1.1	Explain the range of common small biopsy and surgical resection specimens sent to a histology department for analysis			
		1.2	Discuss safe handling and preparation of samples			

Learning outcomes		Assessment criteria		Evidence type	Portfolio reference	Date
2	Be able to perform routine analysis on automated/semi-automated and/or manual equipment in histology to specified quality standards	2.1	Explain the principles and practice of quality control, external quality assessment and quality management in histology			
		2.2	Explain the role of audit and laboratory accreditation in supporting quality-assured services histology			
		2.3	Use tissue processors and embedding equipment in histology			
		2.4	Perform appropriate local maintenance of equipment to specified quality standards in histology			
		2.5	Perform embedding techniques for common tissue samples in histology			
		2.6	Assist in cutting samples in histology			
		2.7	Perform sample staining on a range of sections in histology			
		2.8	Demonstrate loading and unloading immunohistochemistry analysers for a range of tissue antigens (tumour markers)			
		2.9	Explain how histopathology services contribute to molecular pathology			
		2.10	Explain the process of report generation and distribution			

Learning outcomes		Assessment criteria		Evidence type	Portfolio reference	Date
		2.11	Apply and maintain quality standards and related quality control, assessment, and management techniques			
3	Understand the impact of histology services on patients and the work of the multidisciplinary team	3.1	Describe patient pathways where histology services contribute to diagnosis and/or long-term monitoring			
		3.2	Explain how histology results are used in patient pathways			
		3.3	Explain the common symptoms experienced by a person in a patient pathway			
		3.4	Explain the work of multidisciplinary teams in own area of work			
		3.5	Discuss how personalised medicine is/could be used in the diagnosis and treatment of conditions appropriate to own work area			

Learner name: _____

Date: _____

Learner signature: _____

Date: _____

Assessor signature: _____

Date: _____

Internal verifier signature: _____

Date: _____

(if sampled)