



Australian Government

Assessment Requirements for MSL973029 Perform histological procedures

Release: 1

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Modification History

Release 1. Supersedes and equivalent to MSL973020 Perform histological procedures. Changes to Performance Criteria, Performance Evidence and Knowledge Evidence.

Performance Evidence

There must be evidence the candidate has completed the tasks outlined in the elements and performance criteria of this unit, and:

- safely performed straightforward embedding, cutting and staining of at least 3 different tissue specimens in paraffin wax, including:
 - cutting sections that are free of wrinkles, scores and folds
 - using appropriate stains including haematoxylin and eosin.
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Knowledge Evidence

There must be evidence the candidate has knowledge of:

- non-renewable nature of tissues
- functions of the components of a rotary microtome
- purpose of procedures implemented and steps involved
- requirements for cleaning up spills and reporting faulty or unsafe equipment, hazards and incidents
- microscopic anatomy of vascular tissue relevant to stain quality control
- macroscopic appearance of epithelial/epidermal tissue relevant to samples embedded
- correlation between poorly maintained processing reagents and resultant tissue blocks being difficult to cut or unsuitable for cutting
- relationship between correct orientation of the tissue during embedding and ability to cut quality sections
- workplace safety procedures and precautions relevant to:
 - handling hazardous chemicals and stains used in the job role, including formaldehyde, xylene/limonene, ethanol
 - embedding and microtomy
 - sharps and broken glassware
- environmental sustainability issues as they relate to the work task
- legal and ethical requirements specific to the work task including traceability, confidentiality and security requirements of all client information, and laboratory data and records legal requirements relating to the use of human tissue.
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Assessment Conditions

Skills must have been demonstrated in the workplace or in a simulated environment that reflects workplace conditions and contingencies. The following conditions must be met for this unit:

- use of suitable facilities, equipment and resources, including:
 - a standard histology laboratory with relevant equipment, samples and reagents
 - computer information systems, databases, record and filing systems, including specimen accessioning
 - workplace procedures and equipment manuals.

Assessors must satisfy the NVR/AQTF mandatory competency requirements for assessors.

Links

MSL Laboratory Operations Companion Volume Implementation Guide is available from VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=5c63a03b-4a6b-4ae5-9560-1e3c5f462baa>