



Australian Government

Assessment Requirements for MSL975053

Perform complex laboratory testing of forensic samples

Release: 1

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Modification History

Release	Comments
Release 1	This version was released in <i>MSL Laboratory Operations Training Package Release 2.0</i>. Supersedes and equivalent to MSL975025 Perform complex laboratory testing of forensic samples. Foundation skill information added. Range of conditions removed. Assessment requirements amended.

Performance Evidence

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

- safely and effectively performed complex laboratory testing of 3 different forensic samples to produce valid and reliable results.

Knowledge Evidence

- There must be evidence the candidate has knowledge of:
- terminology and principles of locating, recording, collecting, storing, transporting, testing and reporting forensic samples and evidence
- legal, regulatory, policy, procedural and quality system requirements for the collection, preservation, security, continuity and disposal of forensic samples and evidence (exhibits)
- potential limitations of own specialist knowledge and when to seek advice from other services
- peer services available to assist laboratory examination, testing and interpretation of forensic samples
- review processes for examination of test findings
- common complex testing techniques and methods:
 - infrared and ultraviolet/visible (UV/Vis) spectrometric techniques, such as inductively coupled plasma optical emission spectroscopy (ICP-OES), inductively coupled plasma mass spectroscopy (ICP-MS), X-ray fluorescence (XRF) and neutron activation analysis (NAA)
 - chromatographic techniques, such as gas chromatography mass spectroscopy (GC-MS), ion chromatography (IC) and high-pressure liquid chromatography (HPLC)
- principles and purpose of test methods implemented (why they are used and what they demonstrate)

- technological advances that include automation
- awareness of environmental sustainability issues as they relate to the work task
- legal, ethical and work health and safety (WHS) requirements specific to the work task including traceability, confidentiality and security requirements of all client information, and laboratory data and records.

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 laboratory with specialised analytical instruments, laboratory reagents and equipment, standard operating procedures (SOPs) and test methods.

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

Links

Training Package Companion Volumes -

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