



**Australian Government**

**Assessment Requirements for MSL976005  
Evaluate and select appropriate test  
methods and/or procedures**

**Release: 1**

# Assessment Requirements for MSL976005 Evaluate and select appropriate test methods and/or procedures

## Modification History

Release	Comments
Release 1	<p>This version was released in <i>MSL Laboratory Operations Training Package Release 2.0</i>.</p> <p>Supersedes and equivalent to MSL976003 Evaluate and select appropriate test methods and/or procedures. Range of conditions removed. Assessment requirements amended.</p>

## Performance Evidence

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

- evaluated and selected test methods and procedures for at least 2 different items or laboratory processes.

## Knowledge Evidence

There must be evidence the candidate has knowledge of:

- principles, concepts and workplace and regulatory requirements related to method selection
- regulatory and licensing requirements related to selected test methods
- scientific and technical principles underpinning test method and their application to selection of testing methods for different materials
- calculation steps for data analysis and estimation of uncertainties for selected test methods
- significance of normal, physiological or reference ranges
- common types of tests and procedures:
  - routine
  - infrequent and 'one-off'
  - quantitative or qualitative
  - identification or quantification of biological, chemical or physical activity
  - gross characteristics of a sample, including in vitro and in vivo
  - detection of chemical, physical or biological characteristics, features, markers or responses
- drivers for the evaluation and selection of test methods and procedures
- factors that typically influence method evaluation and selection:

- quantity and nature of sample available for testing
- levels of detection required
- type of matrix, possible contaminants and resulting interference
- safety
- availability of suitable equipment, instruments and availability of trained staff
- cost
- selectivity of method, range, accuracy, precision and acceptable uncertainty
- whether it is appropriate/ethical to perform the test
- balancing customer, workplace and/or regulatory/licensing requirements
- workplace and/or legal traceability requirements
- 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.

## 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 equipped with appropriate equipment, analytical instruments and reagents, SOPs and test methods
  - Australian and international regulatory standards relevant to scope of laboratory operations.

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>