



**Australian Government**

# **Assessment Requirements for MSL975030 Perform immunohaematological tests**

**Release: 1**

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## 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 <i>MSL975006 Perform immunohaematological tests</i>. Pre-requisite removed. Changes to elements and performance criteria. Foundation skill information added. 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:

- safely performed and interpret at least 5 immunohaematological tests following the laboratory's validated and authorised procedures, including:
  - forward and reverse ABO typing
  - RhD phenotyping
  - three cell screen
  - eleven cell panel
  - direct antiglobulin test
  - with 100% accuracy of patient identification in all steps
- performing tests accurately and organising work to ensure the timely release of blood and blood products and needs of relevant patients and clients are met.

## Knowledge Evidence

There must be evidence the candidate has knowledge of:

- scientific, medical, clinical, technical and workplace terminology relevant to normal and abnormal anatomy, physiology, biochemistry, immunology and immunohaematology
- immunological concepts including:
  - acquired immunity
  - antibody structure and function
  - antigen antibody reactions

- principle and purpose of test methods implemented (why they are used and what they demonstrate)
- basic principles of transfusion reactions
- types of blood products and their use
- what blood products can be issued in an emergency transfusion
- actions required when result interpretation is outside parameters of authorised approval
- relationships that exist between the storage conditions for transfusion products and commercial reagents and the test results
- relationships that exist between the transport conditions for transfusion products and their safe and timely delivery
- technological advances in immunohaematology including automation such as computer cross matching and genotyping to determine blood group
- National Pathology Accreditation Advisory Council (NPAAC) standards for pretransfusion testing
- 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 clinical 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 transfusion/immunohaematology laboratory with relevant equipment, samples, reagents, laboratory information management system, databases and record/filing system
  - workplace procedures, test methods 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>