



Australian Government

Assessment Requirements for MSL975058

Perform immunohaematological tests

Release: 1

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Modification History

Release 1. Supersedes and equivalent to MSL975030 Perform immunohaematological tests. Minor 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 and interpreted at least 5 immunohaematological tests following the laboratory's validated and authorised procedures, including:
 - forward and reverse ABO typing
 - Rh phenotyping
 - crossmatching
 - antibody screen
 - antibody identification 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.
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Knowledge Evidence

There must be evidence the candidate has knowledge of:

- medical terminology relevant to normal and abnormal 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)
- Interpretation of antibody identification cell panel results
- basic principles of transfusion reactions
- types of blood products, their approved storage and transport conditions, safe handling and clinical use
- relationship between maintaining transport and storage conditions and timely delivery of blood products on patient safety

- blood products inventory management requirements including maintaining accurate records of ordering, receiving, storing and returning blood and blood products to supplier
- what blood products may be issued in an emergency transfusion
- actions required when result interpretation is outside parameters of authorised approval
- significance of accurately checking product and patient details against what has been ordered and consequences of the release of incorrectly matched blood products on patient safety
- relationships that exist between the storage conditions for transfusion reagents and the test results
- technological advances in immunohaematology including computer cross matching and genotyping to determine blood group
- National Pathology Accreditation Advisory Council (NPAAC) standards for pretransfusion testing
- Australian and New Zealand Society of Blood Transfusion (ANZSBT) Guidelines for Transfusion and Immunohaematology Laboratory Practice
- 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, and reagents
 - information management 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>