



Australian Government

Assessment Requirements for MSL975004 Perform chemical pathology tests

Release: 1

Assessment Requirements for MSL975004 Perform chemical pathology tests

Modification History

Release 1. Supersedes and is equivalent to MSL975004A Perform chemical pathology tests

Performance Evidence

Evidence of competence in this unit must satisfy all of the requirements of the elements and performance criteria, and include demonstration of:

- safely performing at least five (5) tests or procedures associated with the detection and monitoring of tissue and bodily fluid responses to normal physiological processes and disease through the identification and quantifying of chemical components
- identifying and measuring chemical substances that are associated with organ dysfunction or indicators of success or failure of treatment
- detecting and measuring drugs and toxins
- testing for biological activity, such as assessment of enzyme activity indicative of organ/tissue damage
- testing for evidence of prior exposure to infective agents such as identifying plasma changes that are consequent to, or associated with, immune responses
- applying DNA techniques
- discriminating between significant data and artefact, and responding appropriately to an abnormal result
- preparing documentation that is accurate, concise and in accordance with workplace requirements
- using the workplace information system efficiently
- using samples, reagents and materials economically and disposing of wastes safely
- maintaining security and confidentiality of all clinical information, laboratory data and records
- maintaining equipment and recording and reporting malfunctions in accordance with workplace requirements.

Knowledge Evidence

Must provide evidence that demonstrates knowledge of:

- scientific, medical, clinical, technical and workplace terminology relevant to normal and abnormal anatomy, physiology, biochemistry and immunology to enable efficient communication with laboratory and clinical staff
- necessity for a patient or client focus when performing laboratory procedures and tests, including issues of confidentiality and security of clinical and laboratory information and data
- workplace procedures for selection and use of testing procedures, in terms of the supposed or defined clinical problem
- details of test methods relevant to job role
- range of test results that have meaningful clinical significance
- selection and use of quality control and quality assurance processes for the issuance of meaningful results
- sources of error in pre- and post-analyses of samples and corrective actions
- management of work flow for effective and efficient use of resources
- relevant hazards, work health safety (WHS) and environment requirements.

Assessment Conditions

- Judgment of competence must be based on holistic assessment of the evidence. Assessment methods must confirm consistency of performance over time, rather than a single assessment event.
- This unit of competency is to be assessed in the workplace or a simulated workplace environment. A simulated workplace environment must reflect realistic operational workplace conditions that cover all aspects of workplace performance, including the environment, task skills, task management skills, contingency management skills and job role environment skills.
- Foundation skills are integral to competent performance of the unit and should not be assessed separately.
- Assessment processes and techniques must be appropriate to the language, literacy and numeracy requirements of the work being performed and the needs of the candidate.
- Knowledge evidence may be collected concurrently with performance evidence or through an independent process, such as workbooks, written assessments or interviews (provided a record is kept in each case).
- This unit of competency may be assessed with:
 - MSL9314002 Apply quality system and continuous improvement processes
- Holistic assessment methods include:
 - review of results/data/records generated by the candidate
 - feedback from peers and supervisors that the candidate follows workplace procedures consistently and that tasks are performed in accordance with workplace requirements
 - oral and/or written tests and paper problems associated with chemical pathology test methods and laboratory processes, such as equipment calibration and maintenance
 - observation of the candidate performing chemical pathology tests
 - integrated assessment with a case study focus, such as such as the measurement of single or multiple chemical substances and metabolites in serum or other bodily fluids.
- Access is required to instruments, equipment, materials, workplace documentation, procedures and specifications associated with this unit, including, but not limited to:
 - a standard chemical pathology laboratory with relevant equipment, samples and reagents, laboratory information system, databases and record/filing system
 - instruments, such as manual and automated spectrometers and other related measurement devices, and various discrete and multi-channel analysers for chemical analytes
 - workplace procedures, test methods and equipment manuals.
- Under duty of care requirements, off-the-job training providers should ensure that blood samples are known to be antibody free for hepatitis B and C, syphilis and human immunodeficiency virus (HIV), but this does not preclude the use of universal precaution in the use of blood samples.
- Assessors must satisfy the assessor competency requirements that are in place at the time of the assessment as set by the VET regulator.
- The assessor must demonstrate both technical competence and currency.
- Technical competence can be demonstrated through:
 - relevant VET or other qualification/Statement of Attainment AND/OR
 - relevant workplace experience.
- Currency can be demonstrated through:

- performing the competency being assessed as part of current employment OR
- having consulted with a laboratory about performing the competency being assessed within the last twelve months.

Links

MSA Training Package Implementation Guides - <http://mskills.org.au/training-packages/info/>