



**Australian Government**

# **MSL975063 Perform haematological tests**

**Release: 1**

## MSL975063 Perform haematological tests

### Modification History

Release 1. Supersedes and equivalent to MSL975036 Perform haematological tests. Minor change to Performance Criteria. Oral communication removed from Foundation Skills as this is not a focus of the unit. Additional test items added to Knowledge Evidence.

### Application

This unit of competency describes the skills and knowledge to determine levels, function, activity and interactions of cellular and plasma components of blood, using tests and procedures identified with the discipline of laboratory haematology.

This unit applies to laboratory technicians and technical officers working in the biomedical industry sector. While this unit focuses on the laboratory investigation of human physiology and pathology, it reasonably describes aspects of work performed in veterinary settings. The unit of competency assumes that technical personnel would perform tests and procedures under close supervision. The results of their work would also normally be integrated, interpreted and reported on by supervising scientists and medical pathologists. Although a supervisor may not always be present, the technician will follow workplace procedures that will clearly describe the scope of permitted practice in modifying testing procedures, interpreting data and for communicating test results to people outside the laboratory. People performing haematology tests will meet the requirements of the laboratory that they are working in regarding the education and training they must have to perform the tests.

No licensing or certification requirements exist at the time of publication. However, regulations and/or external accreditation requirements for laboratory operations exist, so local requirements should be checked. Relevant legislation, industry standards and codes of practice within Australia must also be applied.

### Pre-requisite Unit

MSL973028 Perform microscopic examination

### Competency Field

Testing

### Elements and Performance Criteria

| Elements                                  | Performance Criteria                                                                            |
|-------------------------------------------|-------------------------------------------------------------------------------------------------|
| Elements describe the essential outcomes. | Performance criteria describe the performance needed to demonstrate achievement of the element. |
| 1. Process samples and associated request | 1.1 Identify specimens and request forms that do not comply with                                |

| Elements                                  | Performance Criteria                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|-------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Elements describe the essential outcomes. | Performance criteria describe the performance needed to demonstrate achievement of the element.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| details                                   | workplace requirements<br>1.2 Record any discrepancies or sample quality issues and indicate action required<br>1.3 Register samples, in accordance with workplace procedures, recording details that allow accurate tracking and chain of custody traceable to employee                                                                                                                                                                                                                                                                                                                                                                           |
| 2. Perform tests                          | 2.1 Conduct individual tests according to workplace procedures, applying required quality control<br>2.2 Prepare blood films in accordance with workplace procedures<br>2.3 Use appropriate manual haematological techniques<br>2.4 Identify normal and abnormal morphological characteristics of red blood cells, white blood cells and platelets<br>2.5 Classify and count cell populations<br>2.6 Calculate red cell indices and white blood cells absolute counts<br>2.7 Interpret automated analyser results and correlate with blood film morphology<br>2.8 Record results in accordance with workplace procedures using correct terminology |
| 3. Maintain laboratory records            | 3.1 Record and/or check results in accordance with workplace procedures<br>3.2 Follow procedures to ensure traceability of sample from receipt to reporting of results                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |

## Foundation Skills

This section describes those language, literacy, numeracy and employment skills that are essential to performance.

- Planning and organising skills to manage own work and ensure the timely completion of tasks.

Other foundation skills essential to performance are explicit in the performance criteria of this unit.

## Unit Mapping Information

Supersedes and is equivalent to MSL975036 Perform haematological tests.

## 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>