

To be awarded a *Diploma of Laboratory Technology*, competency must be achieved in a total of **twenty (20)** units of competency consisting of:

Core units - all eight (8) core units

PMLCOM300B	Communicate with other people
PMLCOM500B	Provide information to customers
PMLDATA400A	Process and interpret data
PMLDATA500B	Analyse data and report results
PMLDATA501B	Use laboratory application software
PMLOHS400A	Maintain laboratory/field workplace safety
PMLORG301A	Plan and conduct laboratory/field work
PMLQUAL401B	Apply quality system and continuous improvement processes

Elective units - twelve (12) elective units

The elective units must include:

- a minimum of five (5) units from the PML 500 series units including at least one (1) of the PML500 Series marked with '*' in the table of electives
- a maximum of three (3) units from the PML 300 series
- a maximum of five (5) units from the PML 400 series
- a maximum of two (2) units from the PML 600 or 700 series units
- a maximum of four (4) relevant units from other endorsed Training Packages

Selection of competency units for training plan Qualification PML50104 Diploma of Laboratory Technology

Core Units – all of these eight (8) units		PMLTEST518A*	Perform molecular biology tests and procedures <i>(Prerequisite: PMLTEST407A)</i>	PMLQUAL301B	Apply critical control point requirements
PMLCOM300B	Communicate with other people ✓	PMLTEST519A*	Prepare animal and plant material for display <i>(Prerequisite: PMLTEST407A)</i>	PMLSAMP302A	Receive and prepare samples for testing
PMLCOM500B	Provide information to customers ✓	PMLTEST520A*	Perform complex tests to measure engineering properties of materials <i>(Prerequisite: PMLTEST411A)</i>	PMLTEST300B	Perform basic tests
PMLDATA400A	Process and interpret data ✓	PMLTEST521A*	Perform laboratory based ecological techniques <i>(Prerequisite: PMLTEST407A)</i>	PMLTEST303B	Prepare working solutions
PMLDATA500B	Analyse data and report results ✓ <i>(Prerequisite: PMLDATA400A)</i>	PMLTEST522A*	Perform complex tests to measure chemical properties of materials <i>(Prerequisite: PMLTEST513A or PMLTEST524A)</i>	PMLTEST304B	Prepare culture media
PMLDATA501B	Use laboratory application software ✓	PMLTEST523A*	Apply complex instrumental techniques <i>(Prerequisite: PMLTEST513A or PMLTEST524A)</i>	PMLTEST305B	Perform aseptic techniques
PMLOHS400A	Maintain laboratory/field workplace safety ✓	PMLTEST524A*	Apply routine spectrometric techniques <i>(Prerequisites: PMLTEST303B or PMLTEST402B and PMLTEST404A)</i>	PMLTEST306B	Assist with fieldwork
PMLORG301A	Plan and conduct laboratory/field work ✓	PMLTEST525A*	Apply routine electrometric techniques <i>(Prerequisites: PMLTEST303B or PMLTEST402B and PMLTEST404A)</i>	PMLTEST307B	Prepare trial batches for evaluation
PMLQUAL401B	Apply quality system and continuous improvement processes ✓	PMLTEST526A*	Perform food analysis <i>(Prerequisite: PMLTEST405A or PMLTEST407A)</i>	PMLTEST308A	Perform microscopic examination
Minimum of five (5) units from the PML 500 series		Maximum of two (2) units from the PML 600 or 700 series units		PMLTEST310A	Perform histological techniques
PMLCAL500A*	Perform non-standard calibrations <i>(Prerequisite: PMLCAL400A)</i>	PMLCOM600B	Develop and maintain laboratory documentation	Maximum of five (5) units from the PML 400 series	
PMLCAL501A*	Create or modify calibration procedures <i>(Prerequisite: PMLCAL500A)</i>	PMLOHS601A	Implement and monitor OHS and environmental management systems	PMLCAL400A	Perform standard calibrations
PMLCAL502A*	Create or modify automated calibration procedures <i>(Prerequisite: PMLCAL501A)</i>	PMLORG600B	Supervise laboratory operations in work/functional area <i>(Prerequisite: PMLORG500B)</i>	PMLMAIN400A	Maintain and control stocks
PMLMAIN501B	Assist in the maintenance of reference material	PMLORG601B	Maintain registration and statutory or legal compliance in work/functional area	PMLORG400A	Prepare practical science classes and demonstrations
PMLMAIN502A	Maintain instruments and equipment	PMLORG602B	Manage complex projects	PMLQUAL400B	Contribute to the ongoing development of HACCP plans
PMLORG500B	Schedule laboratory work for a small team	PMLQUAL600B	Maintain quality system and continuous improvement processes within work/functional area	PMLSAMP400B	Obtain representative samples in accordance with sampling plan
PMLQUAL500A	Monitor the quality of test results and data <i>(Prerequisite: PMLDATA400A)</i>	PMLQUAL601B	Conduct an internal audit of the quality system	PMLSAMP401A	Prepare mineral samples for analysis
PMLTEST501B*	Perform microbiological tests <i>(Prerequisite: PMLTEST407A)</i>	PMLTEAM600B	Manage and develop teams	PMLTEST402B	Prepare standardise and use solutions
PMLTEST502B*	Perform haematological tests <i>(Prerequisite: PMLTEST407A)</i>	PMLTEST601B	Classify building sites <i>(Prerequisites: PMLTEST403B and PMLTEST406A)</i>	PMLTEST403B	Assist with geotechnical site investigations
PMLTEST503B*	Perform histological tests <i>(Prerequisite: PMLTEST310A)</i>	PMLTEST602A	Prepare plans and quality assurance procedures for environmental field activities <i>(Prerequisite: PMLTEST515A)</i>	PMLTEST404A	Perform chemical tests and procedures
PMLTEST504B*	Perform chemical pathology tests <i>(Prerequisite: PMLTEST407A)</i>	PMLTEST603A	Evaluate and select appropriate test methods and procedures	PMLTEST405A	Perform food tests <i>(Prerequisite: PMLTEST308A)</i>
PMLTEST505B*	Conduct sensory analysis	PMLTEST700B	Contribute to the development of products and applications <i>(Prerequisite: PMLTEST603A)</i>	PMLTEST406A	Perform physical tests
PMLTEST509B*	Perform immunohaematological tests <i>(Prerequisite: PMLTEST407A)</i>	PMLTEST701B	Troubleshoot equipment and production processes <i>(Prerequisite: PMLTEST603A)</i>	PMLTEST407A	Perform biological procedures <i>(Prerequisites: PMLTEST305B and PMLTEST308A)</i>
PMLTEST511B*	Supervise earthworks inspection, sampling and testing operations <i>(Prerequisite: PMLTEST403B or PMLSAMP400B plus PMLTEST406A)</i>	PMLTEST702B	Contribute to the validation of test methods <i>(Prerequisite: PMLTEST603A)</i>	PMLTEST408A	Undertake environmental field based monitoring
PMLTEST512A*	Apply electrophoretic techniques <i>(Prerequisites: PMLTEST303B or PMLTEST402B and PMLTEST404A)</i>	PMLTEST703B	Develop or adapt analyses or procedures <i>(Prerequisite: PMLTEST603A)</i>	PMLTEST409A	Capture and manage scientific images
PMLTEST513A*	Apply routine chromatographic techniques <i>(Prerequisites: PMLTEST303B or PMLTEST402B and PMLTEST404A)</i>	PMLTEST704B	Integrate data acquisition and interfacing systems <i>(Prerequisite: PMLDATA501B)</i>	PMLTEST410A	Undertake environmental field based remote-sensing monitoring
PMLTEST514A*	Perform fire assay techniques <i>(Prerequisite: PMLSAMP401A)</i>	Maximum of three (3) units from the PML 300 series		PMLTEST411A	Perform mechanical tests
PMLTEST515A*	Design and supervise complex environmental field surveys <i>(Prerequisite: PMLTEST408A)</i>	PMLMAIN300B	Maintain the laboratory fit for purpose	PMLTEST412A	Prepare tissue and cell cultures <i>(Prerequisite: PMLTEST305B)</i>
PMLTEST516A*	Provide input to production trials <i>(Prerequisite: PML404A or PMLTEST405A or PMLTEST406A or PMLTEST411A)</i>	PMLOHS301B	Work safely with instruments that emit ionising radiation	Name:	
PMLTEST517A*	Perform tissue and cell culture techniques <i>(Prerequisite: PMLTEST412A and PMLTEST407A)</i>	PMLQUAL300B	Contribute to the achievement of quality objectives	Return to: Alan Bartlett Consulting	
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