



Australian Government

AHCECR302 Collect and preserve biological samples

Release: 1

AHCECR302 Collect and preserve biological samples

Modification History

Release	Comments
Release 1	This version released with AHC Agriculture, Horticulture and Conservation and Land Management Training Package Version 6.0.

Application

This unit of competency describes the skills and knowledge required to identify sampling method, and collect and preserve biological samples for later processing and/or analysis.

The unit applies to individuals who work in an environment where biological tests are required, and who work under broad supervision and take responsibility for their own work. They use discretion and judgement in the selection, allocation and use of available resources and for solving problems.

Legislation, regulations and by-laws relating to the collection and removal of plant materials from public and private land apply nationally and in some states, territories and local jurisdictions. Users are advised to check with the local, relevant authority.

Pre-requisite Unit

Nil

Unit Sector

Ecological Restoration (ECR)

Elements and Performance Criteria

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
1. Plan for collection	1.1 Confirm the purpose and schedule for sampling with manager 1.2 Identify sampling site location and obtain approval for site access from stakeholders 1.3 Identify samples to be collected and preserved 1.4 Identify and comply with legislative and regulatory requirements

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
	governing biological samples and sampling methods 1.5 Organise equipment required for biological sampling and preserving 1.6 Assess range of likely operating conditions, hazards and sensitive environments for impact on sampling and testing 1.7 Identify hazards, assess risk and implement controls according to workplace health and safety policies and procedures
2. Prepare equipment and resources	2.1 Obtain equipment required for sampling and preserving 2.2 Check equipment for availability and serviceability 2.3 Clean and sanitise equipment to maintain integrity of samples and biosecurity conditions 2.4 Collect record sheets necessary for task 2.5 Transport resources and personnel safely to sampling sites and prepare for use
3. Carry out biological sampling and preserving procedures	3.1 Collect samples according to sampling plan 3.2 Apply environmental sustainability and biosecurity practices to collection processes 3.3 Preserve and record samples in accordance with sampling standards and guidelines 3.4 Prepare, package and dispatch samples for external analysis in accordance with sampling schedule and laboratory standards 3.5 Observe and record ambient and antecedent environmental conditions 3.6 Operate equipment and undertake work according to workplace health and safety requirements 3.7 Report and deliver presentable sample collection according to workplace procedures
4. Complete collection of biological sampling activities	4.1 Clean, sanitise and store equipment and clothing 4.2 Repair damaged or malfunctioning equipment 4.3 Record site sampling results and observations according to workplace recording procedures 4.4 Report changes in field conditions and equipment to manager

Foundation Skills

This section describes those language, literacy, numeracy and employment skills that are essential for performance in this unit of competency but are not explicit in the performance criteria.

Skill	Description
Writing	<ul style="list-style-type: none"> Accurately complete workplace sampling records and reports using clear language and industry terminology
Numeracy	<ul style="list-style-type: none"> Use appropriate measurement techniques to ensure accuracy when collecting weights and volumes of biological samples

Unit Mapping Information

Code and title current version	Code and title previous version	Comments	Equivalence status
AHCECR302 Collect and preserve biological samples	AHCNAR302 Collect and preserve biological samples	Change to unit code to reflect new unit sector Minor changes to Application and Performance Criteria for clarity Updated Performance Evidence, Knowledge Evidence and Assessment Conditions	Equivalent

Links

Companion Volumes, including Implementation Guides, are available at VETNet: - <https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=c6399549-9c62-4a5e-bf1a-524b2322cf72>