



Australian Government

ACMGAS304 Carry out simple breeding procedures

Release: 1

ACMGAS304 Carry out simple breeding procedures

Modification History

Release	Comments
Release 1	This version released with ACM Animal Care and Management Training Package Version 1.0.

Application

This unit of competency describes the skills and knowledge required to plan mating and breeding, parturition or hatching and weaning of animals under supervision.

The unit applies to individuals who work under broad supervision and use discretion and judgement in the selection and use of available resources. The unit can be contextualised to be species-specific.

No occupational licensing, legislative or certification requirements apply to this unit at the time of publication.

NOTE: The terms ‘occupational health and safety’ (OHS) and ‘work health and safety’ (WHS) generally have the same meaning in the workplace. In jurisdictions where the national model WHS legislation has not been implemented, RTOs must contextualise the unit of competency by referring to current OHS legislative requirements.

Pre-requisite Unit

Nil

Unit Sector

General Animal Studies (GAS)

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. Select animals for breeding	1.1 Identify the basic principles of genetics related to breeding program requirements 1.2 Identify breeding program requirements and clarify with supervisor

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
	1.3 Select animals for mating according to the breeding program 1.4 Schedule examinations and tests, as required, to confirm suitability of selected animals with breeding program 1.5 Monitor individual animals to determine the current stage of their reproductive cycle 1.6 Identify WHS hazards associated with working with animals, assess the risks and implement control measures in case of emergency 1.7 Select and use appropriate personal protective equipment
2. Implement breeding procedures	2.1 Place animals selected for mating in an appropriate environment 2.2 Apply appropriate breeding systems according to the breeding program 2.3 Apply appropriate mating methods according to the breeding program 2.4 Monitor animals during and after the mating period to determine success of mating
3. Monitor post-mating progress	3.1 Observe and document changes in behaviour and condition, where appropriate, in breeding females to determine possible pregnancy 3.2 Schedule examinations and tests, if appropriate, to determine pregnancy 3.3 Estimate and document hatching or parturition dates
4. Prepare for and assist with birth or hatching	4.1 Provide a suitable environment to assist with the birth or hatching 4.2 Identify signs of hatching or parturition and report potential problems to supervisor 4.3 Provide appropriate monitoring to ensure the safe birth or hatching of young animals 4.4 Identify sex and measure offspring and document results 4.5 Monitor mother and offspring to ensure appropriate bonding, feeding and activity behaviours, and report problems to supervisor
5. Wean animals	5.1 Modify offspring diets in preparation for weaning 5.2 Schedule vaccinations, other medications and permanent identification protocols as required 5.3 Select and implement suitable weaning process according to workplace protocols

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
	5.4 Carry out post-weaning management according to the breeding program 5.5 Update breeding records

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
Reading	Seek information from written material about breeding systems and mating methods to apply to own work
Writing	- Keep accurate records of schedules for vaccinations, other medications and requirements for permanent identification markers - Use industry specific terminology to document and update breeding records
Numeracy	Compare information and data within written texts, including weights and other measurements
Get the work done	Identify and prioritise tasks and carry out routine problem solving when tasks do not go to plan

Unit Mapping Information

Code and title current version	Code and title previous version	Comments	Equivalence status
ACMGAS304 Carry out simple breeding procedures	ACMGAS304A Carry out simple breeding procedures	Updated to meet Standards for Training Packages	Equivalent unit

Links

Companion Volumes, including Implementation Guides, are available at VETNet: -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=b75f4b23-54c9-4cc9-a5db-d3502d154103>

Assessment Requirements for ACMGAS304 Carry out simple breeding procedures

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Performance Evidence

An individual demonstrating competency must satisfy all of the elements and performance criteria in this unit.

There must be evidence that the individual has carried out simple breeding procedures with at least four animals, including:

- applied safe work practices, including the selection and use of personal protective equipment when working with animals
- monitored and observed animals and reported on breeding cycle
- communicated effectively with supervisor and followed instructions
- carried out breeding, hatching or parturition and weaning procedures according to organisation's policies and procedures
- carried out post-weaning management
- maintained accurate breeding program and animal health-related records.

Knowledge Evidence

An individual must be able to demonstrate the knowledge required to perform the tasks outlined in the elements and performance criteria of this unit. This includes knowledge of:

- normal and abnormal animal behaviour for the relevant species
- nutrition and health requirements of one or more species at various stages of their life and reproductive cycle
- purpose of keeping breeding data and records
- signs of animal wellbeing, illness, or injury
- the basic principles of genetics
- ways of determining current reproductive cycle status, through identifying specific indicators including oestrus, sexual behaviour, and aggression between males and evidence of mating
- the best breeding systems, methods and traits to produce the best possible breeding outcomes, health and wellbeing of animals related to species concerned
- the functions and requirements of a breeding colony, where relevant

- the housing requirements for mother and young of relevant species
- the mating behaviour of relevant species
- weaning procedures
- WHS and animal welfare legislative requirements and codes of practice.

Assessment Conditions

Assessment of skills must take place under the following conditions:

- physical conditions:
 - a workplace setting or an environment that accurately represents workplace conditions
- resources, equipment and materials:
 - live animals of the relevant species
- specifications:
 - access to specific workplace documents, including a documented breeding plan for the relevant species
 - current WHS and animal welfare legislation, regulations and codes of practice.

Assessors of this unit must satisfy the requirements for assessors in applicable vocational education and training legislation, frameworks and/or standards.

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