



Australian Government

ACMGEN405 Manage companion animal breeding

Release: 1

ACMGEN405 Manage companion animal breeding

Modification History

Release	Comments
Release 1	This version released with ACM Animal Care and Management Training Package Version 4.0.

Application

This unit of competency describes the skills and knowledge required to plan and monitor companion animal mating and breeding programs, and evaluate their outcomes.

This unit applies to individuals working as supervisors or managers in a companion animal facility where animal breeding is conducted according to regulatory and ethical requirements. They work autonomously and apply specialist knowledge and skills to provide solutions for predictable and unpredictable problems.

All work must be carried out to comply with workplace procedures according to Commonwealth and state/territory health and safety and animal welfare regulations, legislation and standards that apply to the workplace.

Licensing, regulatory or certification requirements apply to this unit but vary according to state/territory jurisdictions. Users are advised to check with the relevant regulatory authority.

Pre-requisite Unit

Nil

Unit Sector

General Animal Care (GEN)

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. Develop breeding programs	1.1 Assess and clarify breeding requirements according to organisational objectives, veterinary advice and relevant legislative requirements 1.2 Identify and obtain resources to support breeding 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>
	1.3 Select breeding options to optimise results and consistency 1.4 Formulate breeding programs to meet organisation and animal welfare objectives 1.5 Develop organisational procedures for breeding and managing offspring, according to legislative requirements, industry standards, animal welfare and safe work and environmentally responsible practices
2. Select animals for breeding	2.1 Select animals for mating according to the requirements of the breeding program, animal welfare regulations and ethical practice principles 2.2 Identify genetic conditions that may preclude breeding 2.3 Consult breed registration group and association requirements in selecting breeding stock, if appropriate 2.4 Schedule examinations and tests to confirm suitability of selected animals for breeding program 2.5 Select and apply appropriate breeding systems according to breeding program requirements 2.6 Apply appropriate mating methods according to breeding program
3. Implement breeding programs	3.1 Communicate breeding program strategies and procedures to team members, and provide necessary training 3.2 Identify potential risks to animals during breeding, birth and early life 3.3 Evaluate the options for managing risks according to workplace health and safety procedures, and make preparations in case of emergencies 3.4 Implement breeding program and monitor outcomes according to organisation's objectives and requirements 3.5 Prioritise and implement changes necessary to achieve breeding aims
4. Evaluate breeding programs	4.1 Review and evaluate breeding program processes and outcomes against the organisation's objectives, relevant legislation and ethical practices, and update breeding programs as required 4.2 Assess and update criteria used to select animals for breeding to meet breeding program 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>
	4.3 Assess procedures for managing the welfare of offspring 4.4 Provide outcomes for retired or non-breeding stock that ensure good quality of life 4.5 Maintain breeding records according to industry standards and breeding program requirements

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	Use scientific and industry terminology and recognised formats for creating workplace policies and procedures
Oral communication	- Use open-ended questions, active listening and paraphrasing to clarify breeding requirements - Use industry terminology to explain breeding strategies and procedures to team members
Numeracy	- Calculate volume, weight, area, ratio, time and application rates - Set, measure and report numerical performance indicators related to breeding program using industry protocols

Unit Mapping Information

Code and title current version	Code and title previous version	Comments	Equivalence status
ACMGEN405 Manage companion animal breeding	ACMCAS406 Manage companion animal breeding	Changes to application, elements and performance criteria for clarity and to emphasise animal welfare and ethics New performance criteria added	Not equivalent

		Assessment requirements updated	
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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 ACMGEN405 Manage companion animal breeding

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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 managed a breeding program (season) for at least one companion animal species, including:

- identified, developed and implemented breeding program aims
- selected suitable animals for breeding programs
- established appropriate mating systems and methods
- monitored breeding activities and evaluated program outcomes
- identified potential risks to animals in breeding, birth and early life procedures, and planned for emergencies
- maintained breeding program 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:

- anatomical and physiological structures and functions related to the reproduction, care and wellbeing of commonly held female and male animals
- basic genetics and pedigrees, including:
 - genetic conditions that may preclude breeding
 - examinations and tests that confirm animal suitability for breeding
 - issues associated with breeding pedigree or pure breed animals
 - maintenance of integrity of genetic lines
 - breed registration group and association requirements, where relevant
- animal welfare principles relevant to companion animal breeding
- breeding program systems, methods and traits related to commonly held animals
- communication procedures and systems, and technology relevant to the organisation and own work responsibilities

- companion animal breeding processes
- diseases and ailments of breeding and young animals
- normal and abnormal animal behaviour relating to the characteristics of the species, age, health status and social needs
- situations requiring veterinary advice and/or intervention, including mating and birthing complications
- breed or species-specific health testing procedures
- relevant organisational policies and procedures, including health and safety and emergency procedures
- workplace and/or industry record-keeping requirements
- protocols, legal and ethical considerations in providing care and treatment of breeding animals and their offspring
- relevant state/territory requirements for breeding companion animals, including:
 - state/territory legislation/regulation
 - licensing
 - local government requirements
 - industry codes of practice.

Assessment Conditions

Assessment of the skills in this unit of competency must take place under the following conditions:

- physical conditions:
 - an animal breeding facility or an environment that accurately represents workplace conditions
- resources, equipment and materials:
 - live companion animals for breeding program specified in the performance evidence
 - suitable housing and other equipment to support breeding programs.

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

Links

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