



Australian Government

ACMATE403 Conduct non-surgical procedures on animals

Release: 1

ACMATE403 Conduct non-surgical procedures on animals

Modification History

Release	Comments
Release 1	This version released with ACM Animal Care and Management Training Package Version 3.0.

Application

This unit of competency describes the skills and knowledge required to administer substances and take tissue and fluid samples for clinical trial project research purposes.

This unit applies to animal technicians who work under broad supervision performing work according to instructions or directed by a supervisor.

All work practices must be undertaken in accordance with legislative requirements, the current Australian Code for the Care and Use of Animals for Scientific Purposes (the Code), the organisation's standard operating procedures, and protocols, policies and procedures approved by the organisation's Animal Ethics Committee (AEC). Users are advised to check legislative requirements for their jurisdiction.

Pre-requisite Unit

Nil

Unit Sector

Animal Technology (ATE)

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. Prepare for non-surgical procedures	1.1 Verify procedures and sample requirements according to legislative and ethical requirements 1.2 Confirm sample methods 1.3 Calculate dose rates for species and individual animals 1.4 Prepare and position required equipment

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
	1.5 Plan procedures to ensure appropriate hygiene or asepsis is achieved and prevent cross-contamination of animals and equipment
2. Prepare animals for procedure	2.1 Select animals to meet project requirements 2.2 Handle and restrain animals according to organisational procedures 2.3 Move animals to testing area and prepare for procedure using techniques to minimise stress and discomfort 2.4 Manage work practices to ensure animals are kept in preparation and procedure areas for minimal time
3. Administer substances to animals	3.1 Confirm approved substances and dose rates are appropriate for species and individual animals 3.2 Confirm method of administration of substances 3.3 Identify and evaluate risks associated with preparation and administration of substances; practise emergency procedures and implement as required 3.4 Administer substances to animals according to organisational procedures 3.5 Monitor animals for adverse reactions
4. Collect samples from animals	4.1 Confirm sampling techniques and sample collection volumes are appropriate for individual animals 4.2 Identify and evaluate hazards in collection process, and practise emergency procedures and respond to emergencies as required 4.3 Collect, process, package and store body fluid and tissue samples using appropriate techniques 4.4 Check samples for suitability and prepare and package according to laboratory and project protocols
5. Complete post-procedure duties	5.1 Return animals to housing, and monitor and respond according to organisational procedures, laboratory schedule and project protocol 5.2 Update and store animal and project records in the organisational management system 5.3 Clean procedures area and equipment and dispose of waste according to laboratory protocols and industry standards

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	Complete organisational documentation in relation to non-surgical procedures
Oral communication	- Engage in discussions and/or provide information using appropriate tone, terminology and non-verbal features - Use active listening and questioning techniques to confirm understanding and to interact with team members
Get the work done	Plan and sequence non-surgical procedures, taking into account contingencies, to ensure efficiencies in meeting timelines and work schedules

Unit Mapping Information

Code and title current version	Code and title previous version	Comments	Equivalence status
ACMATE403 Conduct non-surgical procedures on animals	ACMATE304 Conduct non-surgical procedures on animals	Code change to reflect level of tasks and responsibilities Minor changes to performance criteria and knowledge evidence for clarity New PC 1.5 and 2.2, and merged PC 4.3 and 4.4 Revised performance evidence to reduce duplication with performance criteria	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 ACMATE403 Conduct non-surgical procedures on animals

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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:

- prepared and conducted non-surgical procedures for the administration of substances and the appropriate collection of samples on at least three animals according to organisational procedures
- prepared, used and cleaned the procedures area, materials, tools and equipment correctly according to organisational procedures and manufacturers' specifications
- documented procedures used in the administration of substances and collection of samples.

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 terminology, structures and physiological features of animals relevant to the administration of substances and collection of samples
- basic animal first aid techniques
- biohazards in the workplace of significance to animals and humans
- ethical practices, protocols and procedures in relation to the administration of substances and collection of samples of animals in animal technology workplaces
- indicators of stress and wellbeing in animals, and methods used to measure, interpret and record objective measures of animal health
- information that should be documented related to the administration of substances, and collection of samples
- methods used to prepare, store and transport samples
- organisational policies and safe work procedures, including WHS and accident requirements
- personal protective clothing and equipment, and when and how it should be used

- key requirements of the Australian Code for the Care and Use of Animals for Scientific Purposes relevant to non-surgical procedures
- key requirements of relevant state or territory legislation and regulations relating to:
 - the practice of veterinary science
 - work health and safety
 - animal welfare and research ethics
 - use of therapeutic and controlled substances for role and work undertaken
- safe and humane animal handling techniques, including approved handling methods during the administration of substances and collection of samples
- adverse events and situations where the administration of substances or collection of samples should be stopped and reported
- tissue and fluid sample types and methods of collection
- organisational hygiene standards; disinfectants and cleaning agents, techniques, equipment and materials.

Assessment Conditions

Assessment of skills must take place under the following conditions:

- physical conditions:
 - skills must be demonstrated in an animal technology laboratory or an environment which accurately represents workplace conditions.
- resources, equipment and materials:
 - a range of animals.

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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