



Australian Government

ACMATE304 Conduct non-surgical procedures on animals

Release: 1

ACMATE304 Conduct non-surgical procedures on animals

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 administer substances and take tissue and fluid samples for clinical trial project research purposes.

The unit applies to individuals who work as junior or assistant level animal technicians working under supervision of a senior or more experienced staff member.

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

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

Elements	Performance Criteria
	1.4 Prepare and position required equipment
2. Prepare animals for procedure	2.1 Select animals to meet project requirements 2.2 Move animals to testing area and prepare for procedure using techniques to minimise stress and discomfort 2.3 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 3.2 Confirm method of administration of substances 3.3 Evaluate risks associated with preparation and administration of substances, practise emergency procedures and implement as required 3.4 Administer substances to animals 3.5 Monitor animals for adverse reactions
4. Collect samples from animals	4.1 Confirm sampling techniques 4.2 Identify hazards in collection process and practise and implement emergency response requirements 4.3 Collect, process, package and store body fluid samples 4.4 Collect tissue samples 4.5 Check samples for suitability and prepare according to laboratory and project protocols
5. Complete post-procedure duties	5.1 Return animals to housing, and monitor and respond according to workplace procedures / laboratory schedule 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 workplace documentation in relation to non-surgical procedures
Oral communication	Listen to clear sequenced instructions by supervisor and ask clarifying questions as required to clarify requirements in relation to sampling techniques and checking samples

Unit Mapping Information

Code and title current version	Code and title previous version	Comments	Equivalence status
ACMATE304 Conduct non-surgical procedures on animals	ACMATE304A Conduct non-surgical procedures on animals	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 ACMATE304 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 conducted non-surgical procedures on at least three animals, including:

- applied first aid techniques and provided basic animal care
- employed safe, humane and environmentally responsible organisational systems and procedures when handling and working with animals
- maintained the highest standards of hygiene and infection control at all times to reduce the risk of infection and cross-infection
- prepared, used and cleaned the procedures area, materials, tools and equipment correctly and according to industry standards 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:

- principles and practices for conducting non-surgical procedures
- 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
- animal welfare and ethics
- relevant codes of practice, including the Australian Code of Practice for the Care and Use of Animals for Scientific Purposes for role and work undertaken
- relevant state or territory legislation and regulations relating to the practice of veterinary science, WHS and animal welfare and research for role and work undertaken
- relevant state or territory legislation covering the use of therapeutic and controlled substances for role and work undertaken
- safe animal handling techniques, including approved handling methods during the administration of substances and collection of samples
- situations where the administration of substances or collection of samples should be stopped and reported
- tissue and fluid sample types and methods
- workplace hygiene standards, disinfectants, cleaning agents, cleaning techniques and cleaning 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
- 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.

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