



Australian Government

ACMATE303 Prepare for and monitor anaesthesia in animals

Release: 1

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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 prepare for and monitor anaesthesia in animals for non-surgical and tissue collection procedures under supervision.

The unit applies to individuals who work as junior or assistant level animal technicians working under the supervision of a senior or more experienced staff member. All work is performed where required and when appropriate, as directed by a supervisor. Animal technicians administering anaesthesia operate under and must comply with legislative requirements and the Australian Code of Practice for the Care and Use of Animals for Scientific Purposes as well as protocols, policies and procedures set down by the institution's Animal Ethics Committee (AEC).

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>

Elements	Performance Criteria
1. Prepare for anaesthesia	1.1 Prepare facility and personnel for animal anaesthesia 1.2 Prepare and calibrate equipment according to manufacturer specifications or job requirements 1.3 Prepare anaesthetic and monitoring equipment
2. Prepare animals for anaesthesia procedures	2.1 Assess animal health and condition 2.2 Handle and restrain animals safely and humanely according to workplace policies and procedures 2.3 Perform pre-anaesthetic evaluations on animals 2.4 Prepare animals for anaesthesia 2.5 Identify and locate animal structures, tissues and organs relevant to administration and monitoring of induction of anaesthesia 2.6 Follow safe work practices, including WHS, according to workplace policies and procedures
3. Assist in administering anaesthesia and monitoring animals	3.1 Assist in the induction of anaesthesia 3.2 Monitor animals during anaesthetic and non-surgical or tissue collection procedures 3.3 Record variations in the physiological parameters and signs of anaesthesia in animals 3.4 Comply with institution protocols for anaesthetic procedures on animals 3.5 Provide anaesthetic emergency assistance according to workplace policies and procedures
4. Provide post-anaesthetic care for animals	4.1 Use analgesics and other supportive therapies to manage animals post-anaesthesia 4.2 Apply fluid therapy and oxygen supplementation to animals as required 4.3 Recognise and respond to post-anaesthetic emergencies immediately 4.4 Monitor animals post-anaesthesia by evaluating behaviour, vital signs and symptoms 4.5 Maintain post-anaesthetic monitoring records accurately and completely according to legislative requirements
5. Maintain anaesthetic facilities and equipment	5.1 Clean facilities and store equipment according to workplace policies and procedures 5.2 Carry out routine maintenance on anaesthetic equipment according

Elements	Performance Criteria
	to manufacturer specifications or job 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	Complete workplace documentation in relation to monitoring animals pre- and post-anaesthesia
Numeracy	Correctly calibrate equipment used for anaesthesia
Oral communication	Listen to clear sequenced instructions by supervisor and ask clarifying questions as required in order to assist with administering anaesthesia

Unit Mapping Information

Code and title current version	Code and title previous version	Comments	Equivalence status
ACMATE303 Prepare for and monitor anaesthesia in animals	ACMATE303A Prepare for and monitor anaesthesia in 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 ACMATE303 Prepare for and monitor anaesthesia in 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 for, and monitored, anaesthesia in at least three animals, including:

- applied first aid techniques and provided basic animal care
- calculated dose rates of anaesthetic and other medications and verified with supervisor
- 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 maintained equipment and materials correctly and according to manufacturers' specifications.

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 of anaesthesia monitoring in animals
- anatomical terminology, structures, tissues and organs relevant to the induction and monitoring of animals under anaesthetic
- indicators of normal and undesirable responses to anaesthetic and related medications
- animal anaesthetic emergencies and responses, including animal first aid techniques
- biohazards in the workplace of significance to animals and humans
- characteristics of healthy, sick or distressed animals
- communication procedures and systems and technology relevant to the organisation and the individual's work responsibilities
- information that should be documented for the administration of anaesthetic and related substances
- methods and equipment used to:

- measure, interpret and record objective measure of animal health
- anaesthetise animals in animal technology workplaces
- monitor animals during anaesthesia
- organisational policies and safe work procedures, including WHS and emergency procedures
- physiological features of animals related to the application of anaesthesia and related medications
- relevant codes of practice, including the Australian Code of Practice for the Care and Use of Animals for Scientific Purposes
- safe animal handling techniques and procedures
- types of non-surgical or tissue collection procedures used in animal technology facilities that require the use of anaesthetics and related medications
- 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 to be anaesthetised.

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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