



**Australian Government**

# **Assessment Requirements for ACMATE402 Conduct euthanasia of research 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 3.0.

## 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 euthanasia or humane killing of at least one live research animal and demonstrated three simulations using a humane, rapid and appropriate manner for the approved endpoint
- prepared and maintained required materials, equipment and drugs
- stored and/or disposed of animal carcasses and biological waste according to organisational policies, procedures and legislative requirements
- decontaminated, cleaned and stored equipment and materials or disposed of them according to organisational procedures.

## 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 research animal euthanasia and humane killing
- definition of humane endpoint, euthanasia and humane killing
- anatomical terminology, structures and basic physiological features of animals in research facilities
- anatomy and physiology of animals commonly held in the facility, especially the neck and head, and respiration and heart rates
- physical conditions and vital signs of animals, as well as signs of pain and distress in commonly held species
- indicators of death in animals
- biohazards in the workplace of significance to animals and humans
- equipment and drugs commonly used for euthanasia or humane killing
- firearm legislation, regulations and techniques related to the humane destruction of animals if required

- safe animal handling techniques and procedures,
- approved species-specific methods of euthanasia or humane killing, including:
  - routes of administration or techniques used
  - impact on research
- strategies to minimise mental health and wellbeing issues associated with animal death and techniques used for euthanasia and humane killing
- organisational policies and safe work procedures, including accident requirements
- animal welfare and ethics related to euthanasia and humane killing of animals used for scientific research
- protocols, legal and ethical considerations in animal euthanasia/humane killing for research purposes
- key requirements of legislation, regulations, guidelines and the Code relevant to work undertaken in an animal technology environment in relation to the euthanasia and humane killing of research animals.

## 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:
  - research animals
  - species-appropriate equipment and materials needed for euthanasia or humane killing.

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

## Links

Companion Volumes, including Implementation Guides, are available at VETNet - <https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=b75f4b23-54c9-4cc9-a5db-d3502d154103>