



Australian Government

Assessment Requirements for ACMATE507 Manage the parturition of transgenic mice or rats

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.

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 the parturition of transgenic mice or rats, including:

- managed a natural birth on at least two occasions
- planned and carried out a caesarean section on at least two full-term pregnant mice or rats.

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 parturition management of transgenic mice and rats
- anatomical and physiological terminology and glossary of terms
- anatomical structures and physiological features of mice and rats related to the reproductive system and parturition
- aseptic techniques
- biosecurity requirements for clean and dirty status handling and treatment areas
- common diseases, ailments, injuries and other impacts on animal health and wellbeing and characteristics of healthy, sick or distressed animals
- relevant codes of practice, including the Australian Code of Practice for the Care and Use of Animals for Scientific Purposes
- relevant state or territory legislation and regulations relating to the practice of veterinary science, workplace health and safety and animal welfare and research, including the Office of the Gene Technology Regulator
- relevant state or territory legislation covering the use of therapeutic and controlled substances
- institutional policies and safe work procedures, including WHS and emergency procedures

- communication procedures and systems, and technology relevant to the institution and the individual's work responsibilities
- comprehensive understanding of genetics, including principles, common terminology and nomenclature
- equipment and drugs commonly used for euthanasia
- methods used to perform caesarean procedures in mice and rats
- mouse and rat breeding procedures and their species-specific requirements
- animal welfare and ethics
- reproductive cycles
- techniques used to start the breathing process in pups
- techniques used to foster pups onto foster mothers
- 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:
 - an animal research or production facility or an environment that reflects work conditions that has a scientific establishment licence and access to an approved Animal Ethics Committee and in which the parturition of transgenic mice or rats can take place.

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.education.gov.au/Pages/TrainingDocs.aspx?q=b75f4b23-54c9-4cc9-a5db-d3502d154103>