



Australian Government

Assessment Requirements for AHCAIS303 Artificially inseminate livestock

Release: 1

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Modification History

Release	TP Version	Comment
1	AHCv1.0	Initial release

Performance Evidence

The candidate must be observed artificially inseminating livestock.

The candidate must be assessed on their ability to integrate and apply the performance requirements of this unit in a workplace setting. Performance must be demonstrated consistently over time and in a suitable range of contexts.

The candidate must provide evidence that they can:

- prepare for insemination
- observe animals on heat to detect correct insemination timing
- prepare equipment and work sites
- correctly select and thaw semen for insemination
- restrain and inseminate animals using recognised methods that reduce stress
- complete documentation and records
- clean work area and equipment
- follow enterprise work health and safety, biosecurity and animal welfare policies.

Knowledge Evidence

The candidate must demonstrate knowledge of:

- working knowledge of enterprises herd improvement or animal production plan
- basic breeding principles, including the oestrus cycle and its significance
- pregnancy testing
- animal health and abnormalities
- preparation techniques such as puberty stimulation
- semen thawing and storage techniques
- preparation requirements for artificial insemination of animals
- animal movement and behavioural characteristics
- harness and restraint equipment, components and functions
- handling techniques, restraint methods and when to use them
- enterprise and industry identification system for animals

- personal protective equipment and when and how it should be used
- relevant State/Territory legislation, regulations and codes of practice with regard to workplace OHS and animal welfare
- legislative and regulatory controls with regard to artificial insemination
- enterprise and industry policies with regard to artificial insemination and recording and reporting routines.

Assessment Conditions

The candidate must demonstrate knowledge of:

- resource and manpower requirements, biosecurity requirements, industry standards, codes of practice and procedures for artificial insemination of the livestock species
- hygiene procedures for artificial insemination
- requirements, methods and procedures for sourcing, acquiring, transporting and storing semen
- requirements and procedures for preparation of artificial insemination
- types, uses and maintenance of personal protective equipment
- requirements and procedures for selection, preparation and thawing of semen
- methods and procedures for cleaning and sterilisation of equipment used for artificial insemination
- procedures for handling, measurement and usage of cleaning chemicals, disinfectants and sanitisers
- relevant anatomy and physiology of female livestock
- reproductive physiology and behaviour of female livestock
- techniques and methods for humane handling and restraint of the livestock species
- relevant animal welfare practices for the conduct of artificial insemination in the livestock species
- relevant documentation and records that are required
- relationship, cause and effect between herd performance and artificial insemination programs
- criteria and methods for determining conception rates
- requirements, methods and procedures for improving the success of artificial insemination and its impacts on herd performance
- relevant environmental and sustainability requirements, and procedures for disposal and management of wastes and debris
- requirements and procedures for cleaning and maintaining work areas and equipment
- enterprise work health and safety policies

Links

Companion Volume implementation guides are found in VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=c6399549-9c62-4a5e-bf1a-524b2322cf72>