



Australian Government

**Assessment Requirements for RGRHBR408
Collect, process and evaluate horse semen
for artificial insemination**

Release: 1

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Modification History

Release	Comments
Release 1	This version released with Racing and Breeding 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:

- prepared and collected semen from two stallions using safe, industry-approved techniques
- assessed, processed, stored and organised transportation of three batches of semen
- documented processes and recorded information relevant to semen collected from each stallion.

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:

- types, uses and maintenance of personal protective equipment for collecting and handling semen
- types and purpose of equipment, including:
 - artificial vagina
 - thermometers
 - preparing containers and equipment to correct temperature
 - storage equipment, including liquid nitrogen tanks for storing frozen semen
 - non-spermicidal gel and common spermicidal substances
 - equipment to measure motility and sperm concentration
- techniques for safe and humane handling and restraint of horses, including safe zones for handlers and semen collectors
- methods, techniques and procedures for:
 - establishing controlled semen collection areas
 - cleaning work areas and sterilising equipment used in semen collection and processing
 - handling, measurement and usage of cleaning chemicals, disinfectants and sanitisers

- processing and storing semen, including fresh, chilled or frozen
- types of equine infectious diseases transmitted through artificial insemination, and methods of reducing potential infection and spread
- analysis and evaluation of semen, including for:
 - volume
 - motility
 - concentration
 - sperm morphology
 - presence of bacteria, urine and/or blood
 - longevity
 - per-cycle pregnancy rate
- key features of relevant workplace procedures, regulations and codes of practice relating to collecting and processing horse semen, including:
 - health and safety
 - environmental requirements for disposal of biological waste
 - biosecurity, hygiene and infection control
 - animal welfare requirements
 - documentation and records for specific breeds to ensure stud book compliance.

Assessment Conditions

Assessment of skills must take place under the following conditions:

- physical conditions:
 - a workplace or an environment that accurately represents workplace conditions
- resources, equipment and materials:
 - various stallions accustomed to having semen collected
 - materials and equipment relevant to semen collection and analysis
- specifications:
 - workplace procedures.

Training and assessment strategies must show evidence of the use of guidance provided in the *Companion Volume: User Guide: Safety in Equine Training*.

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=5c4b8489-f7e1-463b-81c8-6ecce6c192a0>