

MANAGE METABOLIC, NUTRITIONAL AND REPRODUCTIVE DISEASES AND DISORDERS

UNIT CODE: 0841 551 36A

TVET CDACC UNIT CODE: HE/OS/AHP/CR/04/6/MA

UNIT DESCRIPTION:

This unit specifies the competencies required by an animal health technologist to manage metabolic, nutritional and reproductive diseases and disorders. It involves identifying, diagnosing, controlling and treating metabolic, nutritional and reproductive diseases.

ELEMENTS AND PERFORMANCE CRITERIA

ELEMENT	PERFORMANCE CRITERIA
These describe the key outcomes, which make up workplace function.	These are assessable statements, which specify the required level of performance for each of the elements. <i>Bold and italicized terms are elaborated in the range.</i>
1. Manage metabolic diseases	1.1 <i>Tools and equipment</i> are identified and assembled as per work requirement 1.2 <i>PPEs</i> are donned as per work requirement. 1.3 <i>Metabolic disease</i> is diagnosed as per work procedure 1.4 Metabolic disease is managed as per VMD guidelines 1.5 Metabolic diseases is prevented and controlled metabolic as per work requirement.
2. Manage nutritional disorders	2.1 Tools and equipment are identified and assembled per work requirement 2.2 PPEs are donned as per work requirement. <i>2.3 Nutritional disease</i> is diagnosed as per work procedure 2.4 Nutritional disease is managed as per VMD guidelines 2.5 Nutritional disease prevented and controlled as per work requirement
3. Manage	3.1 Tools and equipment are assembled as per work requirement

reproductive diseases and disorders	3.2 PPEs are donned as per work requirement. 3.3 <i>Reproductive disease</i> is diagnosed as per work procedure 3.4 Reproductive diseases is managed as per VMD guidelines 3.5 Reproductive disease is prevented and controlled as per work requirement
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RANGE

This section provides work environments and conditions to which the performance criteria apply. It allows for different work environment and situations that will affect performance.

Variable	Range
1. Metabolic, nutritional and reproductive diseases and disorders include but not limited to	• Milk fever • Ketosis • Grass tetany • Grain overload • Bloat • Vitamin E/ Selenium deficiency • <i>Trichomoniasis</i> • <i>Brucellosis</i> • Leptospirosis • Hardware diseases (TRP)
2. Animal include	• Cattle • Sheep • Goats • Poultry • Pigs
3. Tools, equipment, materials, and supplies	• Thermometer • Stethoscope • Microscope

	• Syringes & Needles • Drenching gun • Scalpel blades
4. Personal Protection Equipment and Apparel include but not limited to	• Gloves • Overall • Dustcoats • Gum boots • Face masks
5. Drugs/ chemical	• Laxatives • Purgatives • Antibiotics • Anti-inflammatories

REQUIRED SKILLS AND KNOWLEDGE

This section describes the skills and knowledge required for this unit of competency.

Required skills

The individual needs to demonstrate the following skills

- Surgical skills
- Animal handling skills
- Communication skills

Required knowledge

The individual needs to demonstrate knowledge of:

- Pharmacology
- Anatomy and physiology
- Animal Welfare Ethics and Law
- Veterinary Surgeons and Paraprofessionals Act
- Veterinary Medicines Directorate

EVIDENCE GUIDE

This provides advice on assessment and must be read in conjunction with the performance criteria, required skills and knowledge and range

1. Critical Aspects of Competency	Assessment requires evidence that the candidate: 1.1 Identified and assembled Tools and equipments as per work procedure 1.2 Donned PPEs as per work requirement. 1.3 Diagnosed metabolic diseases as per work procedure 1.4 Managed metabolic diseases as per VMD guidelines 1.5 Prevented and controlled metabolic disease as per work requirement. 1.6 Diagnosed nutritional diseases as per work procedure 1.7 Managed nutritional diseases as per VMD guidelines 1.8 Prevented and controlled nutritional disease as per work requirement 1.9 Diagnosed reproductive disease as per work procedure 1.10 Managed reproductive disease as per VMD guidelines 1.11 Prevented and controlled Reproductive disease as per work requirement
2. Resource Implications	The following resources must be provided: 2.1 Appropriately simulated environment where assessment can take place 2.2 Access to relevant work environment 2.3 Resources relevant to the proposed activities or tasks
3. Methods of Assessment	Competency may be assessed through: 3.1. Observation 3.2. Oral questioning 3.3. Written test 3.4. Portfolio of Evidence 3.5. Interview 3.6. Third party report

4. Context of Assessment	Competency may be assessed in a: Workplace or simulated workplace
5. Guidance information for assessment	Holistic assessment with other units relevant to the industry sector, workplace and job roles is recommended