

MANAGE VETERINARY PHARMACEUTICALS AND TOXINS

UNIT CODE: 0512 551 37A

TVET CDACC UNIT CODE: HE/OS/AHP/CR/03/6/MA

UNIT DESCRIPTION:

This unit specifies the competencies required by an animal health technologist to manage veterinary pharmaceuticals and toxins. It involves dispensing and administering veterinary drugs, managing drug toxicities and toxins in animals.

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. Dispense veterinary drugs	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>Veterinary drug</i> is identified based on work procedure 1.4 Veterinary drug is prescribed as per work procedure 1.5 Veterinary drug is dispensed based on prescription
2. Administer veterinary drugs	2.1 Tools and equipment are identified and assembled as per work requirement 2.2 PPEs are donned as per work requirement 2.3 Veterinary drug is administered as per dosage rate
3. Manage drug toxicities	3.1 PPEs are donned as per work requirement. 3.2 Tools and equipment are identified and assembled as per work procedure 3.3 Drug toxicity is diagnosed based on work procedure 3.4 Drug toxicity is managed as per VMD guidelines 3.5 Drug toxicity is prevented and controlled as per work requirement
4. Manage toxins in	4.1 Tools and equipment are identified and assembled as per work requirement

animals	4.2 PPEs are donned as per work requirement 4.3 Toxin is diagnosed based on work procedure 4.4 Toxicity is managed as per VMD guidelines 4.5 Toxicity 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. Veterinary drug may include but are not limited to:	• Anaesthetics • Anti-inflammatory • Antibiotics • Anthelmintics • Antifungal • Antihistamines • Antidiuretics
1. Personal Protection Equipment and Apparel may include but are not limited to:	• Gloves • Overall • Dust coats • Gum boots • Face masks
2. Toxin may include but are not limited to:	• Paints • Poisonous plants • Pesticides • Aflatoxins • Batteries • Poisonous animals

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

- Animal handling skills
- Communication skills
- Surgical skills

Required knowledge

The individual needs to demonstrate knowledge of:

- Pharmacokinetics
- Pharmacodynamics
- Drug dosage calculations
- Types of diseases
- Anatomy and physiology

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 Assembled tools and equipment as per work procedure 1.2 Donned PPEs as per work requirement. 1.3 Identified veterinary drug based on work procedure 1.5 Prescribed veterinary drug as per work procedure 1.6 Dispensed Veterinary drug based on prescription 1.7 Administered veterinary drug as per dosage rate 1.8 Diagnosed drug toxicity based on work procedure 1.9 Diagnosed toxin based on work procedure 1.10 Managed toxicity as per VMD guidelines 1.11 Prevented and controlled toxicity as per work requirement
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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.