



Australian Government

ACMMIC401 Implant microchip in cats and dogs

Release: 2

ACMMIC401 Implant microchip in cats and dogs

Modification History

Release	Comments
Release 2	This version released with ACM Animal Care and Management Training Package Version 3.0.
Release 1	This version released with ACM Animal Care and Management Training Package Version 1.0.

Application

This unit of competency describes the skills and knowledge required to aseptically perform microchip implantation procedures on cats and dogs, with minimum discomfort to the animal, for identification and traceability purposes.

The unit applies to workers in the animal care industry where it may be necessary to implant microchips into cats or dogs. Candidates may include veterinary practitioners, veterinary nurses, nominated employees and shelter managers of animal welfare agencies, local government animal management officers and pound managers, animal technicians in the role of managers or supervisors in animal research laboratories, and animal control officers.

All work must be carried out to comply with workplace procedures, according to state/territory health and safety and animal welfare regulations, legislation and standards that apply to the workplace.

Regulatory requirements apply to this unit but vary according to state/territory jurisdictions. Users must check with the relevant regulatory authority before delivery.

Pre-requisite Unit

Nil

Unit Sector

Microchipping (MIC)

Elements and Performance Criteria

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
1. Prepare for microchip implantation	1.1 Identify key statutory, local authority and insurance requirements associated with microchipping cats and dogs 1.2 Explain details of the procedure to the owner 1.3 Relate anatomical and physiological structures and functions to implantation procedures as well as likely migration sites for chips on animal body 1.4 Ensure that microchip implantation workspace is appropriate for the needs of the species 1.5 Follow relevant legislation and Australian Standards for implantation and scanning devices
2. Prepare equipment	2.1 Inspect and check implantation equipment 2.2 Inspect and access first aid equipment for animals and humans 2.3 Select and check electronic reader against a reference chip 2.4 Check microchip to be implanted to confirm it meets relevant Standards and legislative requirements, and scan serial number against packaging number
3. Prepare animal for implantation	3.1 Obtain and record prescribed identifying information 3.2 Assess animal for behavioural problems and refer animal to veterinarian where unmanageable fear or aggressive tendencies are identified 3.3 Obtain owner permission to restrain the animal, if owner present, and select and fit animal restraint device according to animal welfare and regulatory requirements 3.4 Use personal protective equipment according to workplace procedures 3.5 Assess health of animal and identify signs of ill health 3.6 Scan animal to check if previous implantation has occurred, and complete legislative and industry actions for previously implanted microchip if required
4. Undertake implantation procedure	4.1 Check implantation site for abnormalities and refer owner to veterinarian in the event of observed concerns 4.2 Position animal for implantation, taking into account animal welfare, animal size, species, behavioural assessment, and work health and safety risks

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
	4.3 Inspect injection site and prepare for procedure using aseptic techniques according to industry standards 4.4 Prepare the implanting device while maintaining asepsis 4.5 Prepare skin, grasp and lift away skin, and insert needle subcutaneously at recommended angle 4.6 Discharge microchip fully into subcutaneous tissue, withdraw needle from skin, checking microchip has discharged, under the supervision of a veterinary surgeon 4.7 Dispose of needles in an approved sharps container 4.8 Complete post-implantation workplace hygiene clean-up procedures 4.9 Assess injuries sustained to humans and provide first aid treatment and seek medical attention if required 4.10 Assess injuries sustained to animals and provide first aid treatment and seek veterinary attention if required
5. Conduct post-implantation procedures	5.1 Visually check implantation site and scan to ensure correct functioning of microchip 5.2 Provide post-implantation advice to owner 5.3 Note animal condition and seek veterinary assistance if there are signs of adverse reactions 5.4 Explain to owner the processes undertaken by animal registry service, and distinguish from registering with local government/council 5.5 Impress importance of maintenance of ownership records to owner/keeper, and provide procedure to be followed in the event of loss of animal
6. Maintain records in accordance with legislative requirements	6.1 Record procedure using prescribed identifying information, including identification of implanter 6.2 Forward documentation to relevant animal registry services 6.3 Maintain and file copy of records for specific implanter

Foundation Skills

This section describes those language, literacy, numeracy and employment skills that are essential for performance in this unit of competency but are not explicit in the performance criteria.

Skill	Description
Reading	Access and interpret statutory, local authority and insurance requirements, policies and procedures, and Australian Standards
Oral communication	Use effective questioning skills to ascertain from animal owner the animal's existing or previous health conditions that may be affected by microchip implantation
Get the work done	Maintain the highest standards of hygiene and infection control to reduce the risk of infection and cross-infection

Unit Mapping Information

Code and title current version	Code and title previous version	Comments	Equivalence status
ACMMIC401 Implant microchip in cats and dogs Release 2	ACMMIC401 Implant microchip in cats and dogs Release 1	Minor changes to performance criteria for clarity, PC 1.5 deleted Volume and frequency in performance evidence increased/strengthened	Equivalent unit

Links

Companion Volumes, including Implementation Guides, are available at VETNet: -
<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=b75f4b23-54c9-4cc9-a5db-d3502d154103>

Assessment Requirements for ACMMIC401 Implant microchip in cats and dogs

Modification History

Release	Comments
Release 2	This version released with ACM Animal Care and Management Training Package Version 3.0.
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:

- implanted a microchip in a minimum of 2 animal replicas
- implanted a microchip, under supervision of a veterinarian, in 10 live animals of varying ages, breeds and temperaments, including:
 - 3 cats – one must be conscious
 - 3 dogs – one must be conscious
 - remaining 4 can be cats and/or dogs, either conscious or unconscious.

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:

- anatomical and physiological structures and functions related to implantation procedures, including likely migration sites for chips on animal bodies
- animal temperaments and behaviours and the associated hazards and risks related to microchip implanting and appropriate animal control measures
- key requirements of relevant International and Australian Standards covering electronic animal identification and microchip compliance regulations, including:
 - *AS 5018:2001 Electronic animal identification – National coding scheme*
 - *AS 5019:2001 Electronic animal identification – Radiofrequency methods*, including informative Annexes
- animal medical conditions and first aid techniques related to microchip implanting
- conditions that should be referred to a veterinary practitioner upon suspicion of health problems

- indicators of health, stress and wellbeing in animals
- signs of adverse reactions, including:
 - haemorrhage
 - infection
 - redness, heat, pain and swelling at the implantation site
 - seizures
 - shock
 - subcutaneous lumps
- industry terminology and features used to identify animals
- personal protective clothing and equipment, and when and how it should be used when microchipping cats and dogs
- possible legal and animal welfare consequences resulting from poor quality implantation
- procedures for the safe manual handling of live dogs and cats, including first aid for implanter
- appropriate restraint methods
- professional indemnity and public liability insurance requirements
- information that should be documented related to the identification of animals and implantation of microchips
- registration processes of animal registries
- processes to deal with previously microchipped animals, including second microchip for animals
- client confidentiality and privacy of information relating to personal details
- range of implanting equipment and sources of microchips and readers
- relevant legislation, regulations and codes of practice, including work health and safety, animal welfare and ethics, microchip implantation, domestic animal management and waste disposal
- workplace safety and hygiene standards, including:
 - disinfectants, cleaning agents, techniques, equipment and materials
 - sharps disposal and procedures for needlestick injuries.

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:
 - animal replicas and/or cadavers
 - live, conscious cats and dogs
 - equipment and resources typically available in an animal care facility where microchips are implanted
- specifications:
 - manufacturer operating instructions for specialised equipment

- organisational policies and procedures, relevant legislation and Australian Standards covering electronic animal identification and microchip implanting
- special conditions:
 - microchip implantation of a cat or dog must be postponed if there have been two unsuccessful attempts on the one animal, during the one day, or in accordance with the relevant state or territory legislation.

Assessors of this unit must satisfy the requirements for assessors in applicable vocational education and training legislation, frameworks and/or standards. Assessors must also be authorised implanters according to relevant state/territory regulations.

Links

Companion Volumes, including Implementation Guides, are available at VETNet: -
<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=b75f4b23-54c9-4cc9-a5db-d3502d154103>