
Overview

This standard covers inducing and monitoring animals during anaesthesia in a Home Office designated establishment. Monitoring can include direct observations, measurements of vital signs, information from monitoring equipment which is a vital part of the technician's role.

This standard is for licensed animal technicians in Home Office designated establishments.

It is essential that you work strictly within the limits of both your personal licence and the relevant project licence at all times

LANAT23

Induce and monitor anaesthesia for animals in a Home Office designated establishment

Performance criteria

You must be able to:

- P1 use safe practices and appropriate personal protective equipment when carrying out scientific and technical activities
- P2 maintain appropriate levels of hygiene and bio-security
- P3 confirm the requirements for anaesthetising the animal and intended outcome to include recovery or non-recovery
- P4 undertake anaesthetic procedures correctly according to the requirements
- P5 induce and administer anaesthesia at the correct stages of the procedure
- P6 provide anaesthetic equipment, materials and gasses at the right time
- P7 monitor and record details of the animal carefully and bring any indications of problems to the attention of the appropriate person
- P8 alter anaesthesia procedures according to any change in condition of the animal
- P9 reduce and stop anaesthetic procedures at the correct stage of the surgical procedure
- P10 administer analgesia where required
- P11 disconnect the animal carefully from anaesthetic equipment, materials and gasses
- P12 conduct all activities within the provision of your personal licence and the project licence
- P13 comply with legislation relating to the care and welfare of animals in a Home Office designated establishment
- P14 carry out all work in accordance with relevant environmental and health and safety legislation, risk assessment requirements, codes of practice and company policies

LANAT23

Induce and monitor anaesthesia for animals in a Home Office designated establishment

Knowledge and understanding

You need to know and understand:

- | | |
|-----|---|
| K1 | the importance and correct use of appropriate personal protective equipment when carrying out scientific and technical activities |
| K2 | the importance of maintaining appropriate levels of hygiene and bio-security and how this can be achieved |
| K3 | why it is important to confirm that the correct anaesthetic procedures are being applied for the procedure and outcome of the animal |
| K4 | the correct stages for the administration of anaesthesia |
| K5 | the type of anaesthetic equipment, materials and gasses required at different stages of a procedure |
| K6 | the signs indicating the correct level of anaesthesia |
| K7 | how to calculate correct dosage for different procedures and outcomes |
| K8 | why it is important to carry out monitoring, and the type of monitoring information required |
| K9 | how to monitor animals during the anaesthesia and the indications of problems, including observations, measuring vital signs, information from monitoring equipment |
| K10 | how to interpret the monitoring data and change anaesthesia procedures accordingly |
| K11 | when to administer analgesia and how to determine dosages |
| K12 | why it is important that anaesthesia is reduced and stopped at the correct stages of the procedure and what these stages are |
| K13 | the correct procedures for disconnecting animals from anaesthetic equipment, materials and gasses |
| K14 | how to recover animals from anaesthesia in an emergency |
| K15 | appropriate records to be kept and their significance |
| K16 | the provisions of your personal licence and the provisions of the project licence |
| K17 | your responsibilities for the care and welfare of animals in a Home Office designated establishment under relevant animal welfare legislation, European directives and UK codes of practice |
| K18 | your responsibilities under relevant environmental and health and safety legislation, codes of practice and company policies |

LANAT23

Induce and monitor anaesthesia for animals in a Home Office designated establishment

Developed by Lantra

Version number 2

Date approved February 2013

Indicative review date February 2018

Validity Current

Status Original

Originating organisation Lantra

Original URN O29NAT10

Relevant occupations Licensed Animal Technologist; Senior Animal Technologist; Team Leader; Animal Facility Manager

Suite Animal Technology

Key words animal; research; induce; anaesthesia; gases
