

# LANCU36

## Implement and maintain animal breeding programmes



---

### Overview

This standard covers implementing and maintaining animal breeding programmes. It includes the fertilisation of animals through natural methods or by artificial insemination (AI).

You must maintain the health and welfare of the animals and ensure the effective implementation of the breeding programme.

This standard is for anyone who implements and maintains animal breeding programmes.

---

**Performance  
criteria***You must be able to:*

- P1 ensure equipment and resources are available and used in an appropriate manner, including personal protective equipment
- P2 ensure appropriate levels of hygiene and bio-security are maintained
- P3 select animals which are suitable for breeding in accordance with the requirements of the breeding programme
- P4 check the health and behaviour of the potential breeding stock and their readiness for breeding
- P5 ensure animals are prepared for breeding in the appropriate manner, including pre-mating health checks and use of prophylactic treatments where required
- P6 facilitate fertilisation in accordance with the breeding programme
- P7 ensure the health and condition of the breeding animals is maintained throughout the reproductive cycle
- P8 remove animals from the breeding system when appropriate
- P9 check that the correct environment is maintained throughout the gestation period and parturition
- P10 monitor the condition of the female throughout the gestation period and take the appropriate action if variations from the normal occur
- P11 take the appropriate action if the female is observed to be in distress during parturition
- P12 monitor the health and condition of the mother and her off-spring at appropriate times and intervals
- P13 identify, and respond, to situations where the substitution of mother or off-spring is necessary
- P14 take the appropriate action without delay when there are any problems with the health of the mother or young animal
- P15 ensure weaning/separation is carried out correctly where appropriate
- P16 specify methods for artificial rearing, where required, in a manner which is appropriate to the animal and its condition
- P17 keep accurate and up-to-date records as required by relevant legislation and the organisation
- P18 comply with relevant animal health and welfare legislation and codes of practice
- P19 carry out all work in accordance with relevant environmental and health and safety legislation, risk assessment requirements, codes of practice and company policies

## Knowledge and understanding

*You need to know and understand:*

- K1 the requirements of the breeding programme
- K2 the importance of having the right resources and equipment available
- K3 the importance of maintaining appropriate levels of hygiene and bio-security and how this can be achieved
- K4 methods of selecting individual animals for breeding
- K5 how to determine the best time from the relationship between the reproductive cycle, the age of the animal and its last pregnancy
- K6 health and physical assessment of animals
- K7 identification of mating for different animals
- K8 requirements for pre-mating health checks and prophylactic treatments
- K9 timing and preparation for mating or AI
- K10 how pregnancy is identified in animals and how this may differ between different animals
- K11 mating behaviour which determines or precludes mating method
- K12 identification of oestrus
- K13 anatomy of male and female reproductive systems
- K14 factors which influence conception
- K15 details of special arrangements for care of breeding and non-breeding males
- K16 when to remove animals from the breeding programme
- K17 environments which are conducive to the well-being of animals during gestation and parturition
- K18 signs which indicate the health of the animal during the gestation period and those which may indicate variation from the normal
- K19 when to check the condition of the female and her off-spring according to stage in pregnancy, progress and health and well-being of animal
- K20 normal behaviour associated with parturition
- K21 health problems associated with parturition and how the risks of contraction can be minimised
- K22 forms of assistance to be given to animals during parturition
- K23 the situations where it may be necessary to substitute mother or off-spring and fostering procedures to support this
- K24 factors which affect the health and condition of mother and young
- K25 behavioural signs of animal health and well-being and their significance for the health of mother and young
- K26 how the health and well-being of mother and young can best be promoted
- K27 methods of weaning/separation, and the indications for their use
- K28 options for artificial rearing and the likely consequences for the well being of the animal(s)
- K29 potential problems encountered by young animals such as loss of mother, competition, risk of damage and disease, loss of milk supply,

## LANCU36

### Implement and maintain animal breeding programmes

---

- and appropriate actions to tackle them
- K30 appropriate records to be kept and their significance
- K31 your responsibilities for the health and welfare of animals under relevant legislation and codes of practice
- K32 your responsibilities under relevant environmental and health and safety legislation, codes of practice and company policies

---

**Glossary**

Parturition means the birth process.

## LANCU36

### Implement and maintain animal breeding programmes

<b>Developed by</b>	Lantra
<b>Version number</b>	2
<b>Date approved</b>	October 2008
<b>Indicative review date</b>	October 2013
<b>Validity</b>	Current
<b>Status</b>	Original
<b>Originating organisation</b>	Lantra
<b>Original URN</b>	O29NCU36
<b>Relevant occupations</b>	Animal Care; Senior Animal Technologist; Licensed Animal Technologist; Team Leader
<b>Suite</b>	Animal Technology; Animal Care and Welfare
<b>Key words</b>	breeding; animals; parturition; birth; young