



Cornell University
Cornell Center for Animal Resources and Education

CARE628.01 Preventative Health Program for Beef Cattle

The intent of this standard operating procedure (SOP) is to describe preventative veterinary care for beef cattle at Cornell University teaching and research facilities. This SOP is intended for use by beef cattle facility staff and Cornell Center for Animal Resources and Education (CARE) staff. This SOP is approved by the Cornell Institutional Animal Care and Use Committee (IACUC) and the Cornell Center for Animal Resources and Education (CARE). Each facility may have supplemental SOPs that further describe their specific manner of operation. Any exemption must be approved by the IACUC prior to its application.

TABLE OF CONTENTS

1. Introduction
2. Materials
3. Procedures
4. Safety
5. Contingencies
6. References

1. Introduction

This SOP details the preventative veterinary health care program utilized to reduce the risk of communicable and zoonotic disease in beef cattle at Cornell University's teaching and research facilities.

2. Materials

- Vaccines
- Needles and syringes
- Health records

3. Procedures

A. Animals Health

i) Quarantine Procedures

- (1) Isolate both newly acquired cattle and those returning to the herd in separate lots or pens for 21-30 days.
- (2) Assess health information for required vaccinations and treatments via health records

ii) Vaccination Program

ANIMAL	TIME	VACCINE
Cows & heifers	Prior to breeding	IBR, PI3, BVD types 1&2, BRSV, 5-way <i>Leptospira</i>
	2–3 Months prior to calving	IBR, PI3, BVD types 1&2, BRSV, clostridia, <i>H. somnus</i> , <i>E. coli</i> (4 types), bovine rotavirus (3 types), coronavirus, <i>C. perfringens</i> type C (heifers receive booster shot 2–3 weeks later, per label)
Calves	Prior to weaning	IBR, PI3, BVD types 1&2, BRSV, 5-way <i>Leptospira</i> , clostridia, <i>H. somnus</i> , <i>P. multocida</i> , <i>M. haemolytica</i> (booster shots administered 2–3 weeks later, per label)
Incoming animals	Upon arrival	IBR, PI3, BVD types 1&2, BRSV, 5-way <i>Leptospira</i> (depending on the vaccination history received from the source farm, some of these vaccinations are not administered)

NOTE:

IBR= Infectious Bovine Rhinotracheitis

PI3= Parainfluenza 3

BVD= Bovine Viral Diarrhea

BRSV= Bovine Respiratory Syncytial Virus

4. Safety

- A. Observe CARE SOP 707 for animal-related injuries.
- B. Observe CARE SOP 715 for personal protective equipment.
- C. Refer to CARE-OH&S Zoonoses webpage for zoonotic information specific to cattle.

5. Contingencies

- A. Post contact information for emergency assistance in a conspicuous location within the animal facility.
- B. Emergency veterinary care is available at all times, including after business hours, on weekends and holidays, through the CARE (Pager 1-800-349-2456)

6. References

Guide for the Care and Use of Agricultural Animals in Agricultural Research and Teaching. Federation of Animal Science Societies, Savoy, IL. 1999

CARE SOP 707 Animal-related Injuries

<http://www.research.cornell.edu/care/documents/SOPs/CARE707.pdf>

CARE SOP 715 Personal Protective Equipment.

<http://www.research.cornell.edu/care/documents/SOPs/CARE715.pdf>

CARE-OH&S Zoonoses webpage

<http://www.research.cornell.edu/care/zoonoses.html>