



ACUP 628.01 Preventative Health Program for Beef Cattle

The intent of this Animal Care and Use Procedure (ACUP) is to describe preventative veterinary care for beef cattle at Cornell University teaching and research facilities. This ACUP is intended for use by beef cattle facility staff and Cornell Center for Animal Resources and Education (CARE) staff. This procedure is approved by the Cornell Institutional Animal Care and Use Committee (IACUC). Any deviation must be approved by the IACUC prior to its implementation.

TABLE OF CONTENTS

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

1. Introduction

This ACUP 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

- 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> , & <i>H. somnus</i> .
	2–3 Months prior to calving	IBR, PI3, BVD types 1&2, BRSV, clostridia, <i>H. somnus</i> , <i>E. coli</i> bovine rotavirus, Coronavirus, <i>C. perfringens</i> types C&D. (heifers receive a booster 3-6 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 3-4 weeks later, per label)
Incoming animals	Upon arrival	Same as calves; dependant on vaccination history from the source farm.

NOTE:

IBR= Infectious Bovine Rhinotracheitis

PI3= Parainfluenza 3

BVD= Bovine Viral Diarrhea

BRSV= Bovine Respiratory Syncytial Virus

- iii) Deworming: use cattle approved ivermectin product per label between first frost and November 15.
 - iv) Fly Control: when fly counts exceed 200/face, apply Durasect II as per label instructions.
4. Safety
- When handling animals, wear appropriate PPE, observe proper hygiene, and be aware of allergy, zoonosis, and injury risks. Refer to the CARE Occupational Health and Safety webpage for more information.
5. Contingencies
- Post contact information for emergency assistance in a conspicuous location within the animal facility.
 - Emergency veterinary care is available at all times, including after business hours, on weekends and holidays, through the Cornell Ambulatory Clinic.
6. References
- *Guide for the Care and Use of Agricultural Animals in Agricultural Research and Teaching, 3rd Ed.* Federation of Animal Science Societies, Savoy, IL. January 2010: <http://www.fass.org/page.asp?pageID=216>.
 - CARE Occupational Health and Safety web page: <http://www.research.cornell.edu/care/OHS.html>.

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