

# Husbandry Procedures for Pigs, Dogs and Sheep Requiring Containment Housing

1. Contact the ULAM husbandry supervisor for the animal facility to obtain the appropriate Room Entry Sign. See Appendix O in [Animals Administered a Hazardous Substance Requiring Containment SOP](#) for ULAM husbandry supervisor contact information.
  - a. ULAM husbandry supervisors will find entry procedures signs located here (requires login).
2. Don containment PPE outside of the housing room. This includes:
  - a. Disposable waterproof plastic gown
  - b. Waterproof shoe covers
  - c. Hair bonnet
  - d. N95 respirator when spraying or creating aerosols
  - e. Two pair of gloves (latex or nitrile)
  - f. Eye protection
    - i. Sealed eye protection AND a face shield when spraying cages/runs/room.
    - ii. Protective safety glasses, goggles, or face shield when not spraying. Prescription glasses cannot be used in place of safety glasses (goggles must be placed over prescription glasses).
  - g. Note: Highest level of required PPE must be followed by all personnel working in the housing room.
3. House animals in spray down pens.
  - a. House animals singly unless otherwise determined by faculty veterinarian and the Principal Investigator. Follow procedures in [Identifying Single Housed Animals SOP](#).
  - b. Follow health check, feeding, and weighing procedures outlined in the [Pig Husbandry SOP](#), [Dog Husbandry SOP](#), and [Sheep Husbandry SOP](#).
  - c. Change gloves and gown between different investigators and between different substances for the same investigator.
  - d. Handle non-hazardous animals before hazardous animals.
4. Experimental procedures will be performed in the housing room. Follow transportation guidelines outlined in the [Animals Administered a Hazardous Substance Requiring Containment SOP](#).
5. Transfer animal to a clean pen daily.
  - a. See **Procedures Section 2** of [Procedures for Cleaning and Sanitizing Large Animal Rooms and Equipment SOP](#) for information on pre-cleaning pens.
    - i. Place collected feces and other large waste items into a covered waste container for HazMat disposal.
  - b. Label pen as "dirty" until it has been cleaned as outlined in #6 below.
  - c. Collect any uneaten food and non-reusable enrichment items in a covered waste container for HazMat disposal.
    - i. This includes food containing a chemical or biological hazard.
    - ii. Waste containers need to be appropriately labeled for the hazard it contains. See **Standard Husbandry and Substance Administration Practices section 12** in the [Animals Administered a Hazardous Substance Requiring Containment SOP](#).
  - d. If hazardous substance is administered in the water:
    - i. For chemical substances, see **Standard Husbandry and Substance Administration Practices section 12.c.vii** in the [Animals Administered a Hazardous Substance Requiring Containment SOP](#).
    - ii. For biological substances, collect water in a container for decontamination. Add 1 cup of bleach to the container and wait 20 minutes before dumping liquid down the drain.
6. Foam pens and aisles weekly, or as needed, using a 10% bleach solution.
  - a. Add bleach to a foamer with no dilution tip.
  - b. Add one bottle of Highlight® powder to the bleach in the foamer and mix for 30 seconds by swirling or shaking. This will change the color of the bleach to blue.
    - i. Blue color will fade 10 minutes after application on all surfaces.
  - c. Once blue color has faded, rinse pens and aisles with water.
  - d. Discard any unused bleach in the foamer after use.
7. At study completion, foam the entire room as outlined in #6 above.
8. Pretreat reusable enrichment items and feed and/or water bowls from biological hazard cages weekly with 10% bleach solution and Highlight®. Let stand for 10 minutes until blue color has faded, rinse and take to cagewash.
  - i. Cover items with a plastic bag.
  - ii. Place a biohazard sticker on the plastic bag when transporting through the halls.
9. Cover and take reusable enrichment items, watering devices, and feed bowls from chemical hazard cages directly to cagewash, no pretreatment or labeling required.
10. Doff PPE inside the housing room and collect in a covered waste container for HazMat disposal.
11. Refer to [Procedures for Working in Cage Wash Facilities](#) for information on processing caging from containment housing rooms.
12. Label cage cards as described in **Standard Husbandry and Substance Administration Practices section 3** in the [Animals Administered a Hazardous Substance Requiring Containment SOP](#).
  - a. Thoroughly wet cage cards with an EPA approved disinfectant (e.g. Clidox, bleach water, SaniCloths) and allow to dry prior to returning to the ULAM barcode team for deactivation.
  - b. Thoroughly wet any acetates used on cages with an EPA approved disinfectant (e.g. Clidox, bleach water, SaniCloths) and allow to air dry prior to returning to the supply box for the housing room.

13. Fill in the required information on the [\*\*Containment Housing Service Charge Tracking Form\*\*](#) found on the room clipboard for species that do not have a biocontainment per diem. Information about how these charges are calculated can be found on the [\*\*Rates page of the ACU Program website\*\*](#).