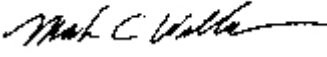




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RESPONSIBILITY: Animal Care Services Facility Manager and Technical Staff

I. PURPOSE

1. To describe procedures for safely conducting husbandry of pigs housed under BSL II conditions.
2. Reduce or eliminate the risk of exposure of research and animal care staff to biohazardous agents within the animal facility.

II. RESPONSIBILITY

1. Animal Care Services is responsible for ensuring:
 - a. All technical and animal care staff will be adequately trained to perform the husbandry practices described prior to the start of work
 - b. Implementation of the procedures described.
 - c. Animal housing rooms are clearly labeled with the biohazardous agent present and specific safety practices implemented.
 - d. Appropriate personal protective equipment (PPE) will be available.
 - e. Biohazard MSDS will be accessible.
 - f. Safety practices will be communicated to relevant personnel
2. It is the responsibility of the Animal Care Services staff and Investigators to:
 - a. Read, understand, and follow the procedures described.
 - b. Review room signage and MSDS prior to implementing the procedures described.

III. Flow of People

1. Access to rooms housing BSL II animals is limited. The only people allowed in the BSL II facility are investigators and Animal Care Services staff, the authorized Veterinarian, a Biosafety Officer, and individuals authorized by the Director of Animal Care Services.
2. Doors are kept closed at all times and locked when room is unattended.
3. People enter with clean, non-soiled clothing. If they have been around other animals, they should change into scrubs.



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4. Stop at the change station to apply appropriate PPE.
 - a. Disposable lab coat or coveralls
 - b. Shoe or boot covers
 - c. Head cover
 - d. Face shield (eye & mouth/face protection)
 - e. Latex or plastic gloves (be aware of potential latex allergy)
 - f. Other PPE unique to the specific hazard
5. Enter the animal room and perform your duties.
6. Upon leaving the animal room, discard disposable PPE into the used garment station that is near the door of the animal room.
7. Never leave the animal room wearing used PPE
8. Wash and disinfect hands
9. Exit the facility and wash hands again
10. Use the locker room or rest room to change back into street clothes.

IV. PROCEDURES

1. Before entering the room, assemble all supplies necessary to complete the task.
2. Husbandry and care of BSL II animals are completed after other colonies.
3. Before entering the room review BSL II signage posted on the door for PPE requirements and specific practices implemented for the protocol/agent.
4. Work surfaces are decontaminated with Clidox or a 10% bleach solution, followed by 70% alcohol, prior to use and after use.
5. Animals must be checked up to twice a day for signs of illness or distress, such as lethargy, anorexia, and diarrhea. Animal health check will be noted on the *Animal Treatment Records*. Sick animals will be reported to the ACS Manager and/or the veterinarian.
6. All cleaning must be performed in a way to minimize the creation of aerosols. Cleaning will be determined based on the associated health risk of the agent and animal housing density. Cage cleaning will be done in the following manner:
 - a. Swine cage cleaning is performed a minimum of once a day.
 - b. Quatricide is mixed ½ ounce to a gallon of water.
 - c. Cages and floor will be sprayed with Quatricide then hosed down with warm water.
 - d. Manure will be hosed in the direction of the floor drain trough.
 - e. Quatricide will be poured into the drain before flushing.
 - f. Cage cleaning will be noted on the *Task Sheet*.
7. Water devices are to be checked daily. Feeders are to be checked daily for cleanliness and washed a minimum of once a week.



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8. Soiled feeders and other small parts are to be autoclaved prior to transferring to cage-wash for sanitation. To prepare soiled items for autoclaving:

- a. Place items in an autoclave bag.
- b. Seal bag with autoclave indicator tape leaving enough space for steam to escape.
- c. Spray outside of bag with Clidox or 10% bleach and allow for appropriate contact time for disinfection (i.e., 5 and 2 minutes respectively) prior to removing from the room.
- d. Transport bag directly to autoclave or into designated tote container to be taken to another autoclave in the building.

9. Animals rooms with sinks will have a drain plug. The sink will be sprayed with Quatricide and will have Quatricide poured into the drain before using.

10. Animal rooms with floor drains will have Quatricide poured into the drain before flushing with water.

11. Protective clothing is removed, discarded in a biohazardous container, and hands washed/sanitized prior to leaving the area.

12. Biohazardous waste containers are sprayed with Clidox or 10% bleach solution and allow for appropriate contact time for disinfection (i.e., 5 and 2 minutes respectively) prior to removing from the room.

13. At the end of the study, the entire pig cage will be foamed with a disinfectant. The foam will be allowed to soak on the cage for a minimum of 10 minutes. The cage will then be rinsed with 180° F water. The cage will be foamed and scrubbed until visibly clean, then rinsed with 180°F water.

14. The rooms will be decontaminated following SOP060 Decontamination of Animal Rooms and Procedural Areas.