PURPOSE
To establish proper swine room husbandry and maintenance procedures in order to ensure the highest quality care for the swine housed in the Animal and Food Sciences facility.

RECEIVING
A. Upon arrival, the pigs will receive 5g of Probios in their feed daily for 3 days.
B. Any other health concerns will be treated at the discretion of the veterinarian.

HOUSING AND CARE
A. Swine may be co-housed according to space requirements set forth in the “Guide” or “Ag Guide” or individually housed in approved caging/kennels.
   1. Swine may be singly housed if:
      a. There are veterinarian concerns regarding the well-being of the animals, such as incompatibility.
      b. Individual housing based on experimental needs is justified in the animal use protocol and approved by the IACUC.
      c. The need for single housing should be reviewed on a regular basis by the IACUC and the veterinarian.
B. All forms located in the room’s ACS notebook must be adequately filled out daily.
   1. Daily Observation Sheet
   2. Task sheets
   3. Temperature/humidity logs
      a. Temperature range: 61-81 degrees
      b. Humidity range: 30-70%
   4. Enrichment log
C. Rooms are checked daily for any operational deficiencies. Any deficiencies are to be reported immediately to the facility manager.
D. Feeders are cleaned out at the openings. Clumps and fecal matter are removed if present in the feeder. If feed remains untouched, the veterinarian is to be notified immediately.
E. As much uneaten food and feces should be removed from the primary enclosure and room prior to hosing with water.
F. The primary enclosures and floors should be hosed down with dish soap and allowed to soak for a few minutes using care not to get the pigs wet.
G. The primary enclosures and floors should then be rinsed thoroughly.
H. Squeegee or mop the floor dry.
I. All rooms, kennels, feed bowls/feeders, and water nozzles are sanitized every two weeks.
J. Check feed expiration date and clean feed barrel weekly. Discard any expired feed and replace with fresh feed.
K. Enrichment will be provided according to the enrichment portion of this SOP.

CAGE/KENNEL SANITATION
A. Total cage sanitation should be done a minimum of every two weeks.
B. Animals are completely removed from the cage/kennel.
C. The kennels are rinsed with hot water to remove any gross debris.
D. The kennels and feed/water bowls are sanitized with a Quatricide or 10% bleach solution and allowed to soak for 10 minutes.
E. The cages are rinsed thoroughly with hot water and allowed to dry.

ANIMAL ROOM SANITATION
A. Animals are completely removed from the room.
B. Weekly- All surfaces (including door frames, lights, and vents) are wiped down with disinfectant mixed according to manufacturer’s recommendations.
C. Weekly- Flush the floor drains with a 10% bleach solution to help minimize odor.
D. Every two weeks- Floors, walls, and ceiling should be sanitized with Quatricide or 10% bleach solution and allowed to soak for 10 minutes. The room is then thoroughly rinsed with hot water and allowed to dry.

ENRICHMENT
A. Social enrichment:
   1. Human interaction occurs during daily husbandry.
   2. Co-housing animals provides socialization between cage mates.

B. Physical enrichment:
   1. Balls, hanging water hoses, or various toys are provided to the pigs to help satisfy their need to root and chew and reduce boredom.

ENRICHMENT IMPLEMENTATION
A. The facilities manager will implement an enrichment schedule based on the study and the enrichment devices available.
B. Enrichment will be provided to the swine by the technicians at change-out and by approved students working on the project. The enrichment will be cleaned during daily husbandry and replaced as needed.
C. Technicians/students will log any enrichment provided to the swine in the enrichment log located in the room’s notebook.
D. Exceptions to the enrichment portion of this SOP require adequate justification in the protocol as to why environmental enrichment would interfere with the study and then must be approved by the IACUC.
ANIMAL HEALTH MONITORING

A. Animals are observed daily by animal care staff for any evidence of illness or change in behavior.
   1. Everyone with access to the animal facility is responsible for immediately informing the facility manager or university veterinarian when an animal becomes ill or a change in behavior is observed.

B. In the event of suspected illness:
   1. Record your observations in the pig’s individual treatment record- include the date, the problem observed, and your initials.
   2. Immediately contact the Attending or Clinical Veterinarian or the ACS facility manager:
      
      ACS Attending Veterinarian
      806-834-8588 Office

      ACS Clinical Veterinarian
      806-834-7373 Office

      ACS Facilities Manager
      806-834-3437 Office

   3. Record any treatment regimens along with the outcome of the treatment in the appropriate health records.