PURPOSE:
To establish proper dog room husbandry and maintenance procedures in order to ensure the highest quality care for the dogs to prevent the development of disease while promoting physical and psychological well-being.

PROCUREMENT:
A. Dogs will be purchased or loaned from USDA inspected facilities.
B. A copy of the health records for each dog will be requested from the dealer.
C. A TTU employee will pick up the dogs and transport them to the Animal Facility in an environmentally controlled vehicle.

RECEIVING:
A. Upon arrival, dogs may be treated for parasites if needed.
B. A TTU veterinarian will conduct a complete physical examination of each dog, including temperature, length and weight, to ensure no obvious abnormalities and fill out the Exam Form.
C. Individual health records will be established for each dog and kept in the room’s ACS binder.
D. If the dogs do not have a record of vaccinations, they will be vaccinated with a 5-way canine vaccine and rabies.
E. A USDA Record of Acquisition will be filled out for each dog and kept on file.
F. Each dog will have a photograph ID card to be mounted on the front of the kennel.
G. At the end of the study, a USDA Record of Disposition of Dogs and Cats will be filled out and kept on file.

HOUSING AND CARE:
A. Dogs may be housed in compatible pairs or individually in 4’ x 8’ (32 square feet) kennels.
   1. Dogs 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: 64-84 degrees
   b. Humidity range: 30-70%
C. Rooms are checked daily for any operational deficiencies. Any deficiencies are to be reported immediately to the facility manager.
D. Water bowls are rinsed and re-filled daily with fresh water.
E. Uneaten food is discarded and fresh food is added once or twice daily in bowls or feeders. If food remains untouched, the veterinarian is to be notified immediately.
F. The dogs will be removed from their kennels daily and placed in an empty room or transport crate while the room is being cleaned. Feces and uneaten food are removed from the primary enclosure and room by hosing with hot water.
G. Squeegee or mop the floor dry.
H. All kennels, feed bowls/feeders, and water bowls are sanitized every two weeks.
I. Check feed expiration date and clean feed barrel weekly. Discard expired food and replace with fresh food.
J. Enrichment will be provided according to the enrichment portion of this SOP.
K. Resting boards will be provided for comfort
L. Dogs may be hand walked to provide human interaction and exercise.
M. Chew bones and toys may be offered.

CAGE/KENNEL SANITATION:
A. Total cage sanitation should be done a minimum of every two weeks.
B. Animals are completely removed from the room.
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 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 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. Animal care staff will trim the dog’s toenails and brush them monthly providing stimulating interaction.
3. Exercise
   a. AWR space requirements for dogs is \((\text{length of dog in" from tip of nose to base of tail} + 6)^2/144\)
   b. Dogs must be provided exercise if housed in a space less than 2 times the space requirement.
   c. Dogs will be hand-walked providing exercise and positive human interaction unless otherwise justified in the experimental protocol.
   d. Dogs will be walked/allowed to play for a minimum of 15 minutes daily unless otherwise justified in the experimental protocol.

B. Physical enrichment:
   1. Balls, bones, or various toys are provided to the dogs to help satisfy their need to play and reduce boredom.
   2. Raised, solid-surfaced resting boards are used to provide dogs comfort.
   3. Treats are given to the dogs daily after cage cleaning.

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 dogs by the technicians at change-out and by approved students working on the project.
C. Technicians/students will log any enrichment provided to the dogs 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 dog’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:

   Dr. Tiffanie Brooks, ACS Attending Veterinarian
   806-834-8588 Office
   806-239-2120 Cell
3. Record any treatment regimens along with the outcome of the treatment in the appropriate health records.