

**STANDARD OPERATING PROCEDURES**  
**DIVISION OF COMPARATIVE MEDICINE**  
**UNIVERSITY OF SOUTH FLORIDA**

SOP#: 005.8

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<b>TITLE:</b>	<b>Animal Quarantine, Stabilization, and Separation</b>
<b>SCOPE:</b>	All Animal Program Personnel
<b>RESPONSIBILITY:</b>	Veterinary Staff, Facility Manager, All Animal Personnel
<b>PURPOSE:</b>	To Outline the Proper Procedures and the Criteria Influencing Animal Quarantine, Stabilization, and Separation

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**I. PURPOSE**

1. To ensure the highest quality of health among animal colonies used for research and teaching purposes, practices of animal quarantine, stabilization, and separation are followed to prevent the introduction of diseases which could complicate study protocols.

**II. RESPONSIBILITY**

1. The Veterinarians oversee all aspects of animal health and are assisted by all program staff.
2. Facility Managers ensure implementation of all procedures.

**III. GENERAL PROCEDURES**

1. All animals are inspected upon arrival, cage cards are prepared, physical examinations are performed, and medical records are developed. Non-rodent animals that are not certified as "specific pathogen free" (SPF) typically require an additional period of quarantine and conditioning. Specific procedures for rodents can be found in **SOP #411, Rodent Quarantine**.
2. Non-rodent animals are received and assessed in a separate room specifically designated for quarantine in the College of Medicine facility, the Center for Advanced Medical Learning and Simulation, or the James A. Haley VA.
3. Visual examination and the health assurances of the vendor are relied upon for all purpose-bred, SPF, non-rodent animals, which are housed in their appropriate room after evaluation and identified.
4. Investigators are encouraged to use SPF animals for research and teaching and recognize that co-morbidities complicate and interfere with the interpretation of research data.
5. Clinically ill animals are separated from others while undergoing treatment for communicable diseases and are handled last during routine husbandry. Animals can be isolated in separate rooms, under portable isolation hoods, in microisolators, individually ventilated caging, or in isolation cubicles.
6. A week of acclimation is recommended before the use of animals.
7. Animals of different species and health status are housed in separated rooms.
8. Animals of the same species, but used in different nonclinical laboratory studies, should not be housed in the same room when inadvertent exposure to control or test articles or animal mix-up could affect the outcome of either study. If such mixed housing is

necessary, adequate differentiation by space (e.g., separation by location within the room, utilizing different racks for rodents) and identification shall be made (e.g., different color cage cards, unique animal identification).

#### IV. SPECIFIC PROCEDURES

1. Rodents from approved commercial vendors are all from SPF viral antibody-free (VAF) colonies, which, after evaluation, are housed in their appropriate room and identified. Rodents from other institutions are described regarding their health status by the supplying institution, then received, quarantined, and reassessed before being housed and used (see **SOP 411**).
2. Assurance that rabbits are from colonies free of clinical abnormalities, and *Bordetella*, *Pasteurella*, and *Eimeria* infection/infestation is obtained from the vendor prior to receipt of the animals. Upon arrival, rabbits are assessed for ectoparasite or endoparasite infestations, for symptoms of respiratory or intestinal infection, and for any other abnormalities.
3. Rabbits that are not SPF and need further conditioning are administered Ivermectin @ 0.40 mg/kg SC once. Rabbits can be administered Baytril @ 10mg/kg IM bid for days 1-10 (or comparable treatments) and treated for ectoparasites and endoparasites, as necessary.
4. Cats that are not SPF and need further conditioning are administered Ivermectin @ 0.40mg/kg SC once. Cats can be administered Baytril 5.0 mg/kg/day SC for seven consecutive days (or comparable treatments), and treated for ectoparasites and endoparasites, as necessary. Cats are vaccinated against rabies, FVR, FCV, FPV, FPN, and FeLV, when required.
5. Dogs that are not SPF and need further conditioning are administered Ivermectin @ 0.2-0.4 mg/kg SC once. Dogs can be administered amoxicillin @ 10mg/kg, PO, SID, for 5 days (or comparable treatments) and treated for ectoparasites and endoparasites, when necessary. Dogs are vaccinated against rabies, CDV, CPV, CAV, CP1 and *B. bronchiseptica*, when required. Serum chemistries, CBC, and heartworm microfilaria examinations are conducted, when appropriate.
6. Assurance that sheep and goats are from stock free of *Brucella*, *Mycobacterium*, and Q-fever are obtained from the vendor prior to receiving the animals. Sheep and goats are conditioned upon arrival, are administered Ivermectin 0.2 mg/kg SC once unless provided by vendor immediately prior to shipping. Sheep and goats can be administered Ampicillin 15mg/kg, IM, SID, for 5 days, and treated for ectoparasites, as necessary.
7. Assurance that calves are from stock free of *Brucella* and *Mycobacterium* are obtained from the vendor prior to receiving the animals. Calves can be administered antibiotics and treated for endoparasites and ectoparasites as necessary.
8. Swine may be conditioned upon arrival, a representative pooled fecal flotation and direct smear may be performed for each shipment, and may be administered metronidazole 66 mg/kg PO SID for 5 days. Swine may be treated with Excede (ceftiofur crystalline free acid) 5 mg/kg IM once.
9. Nonhuman primates are tested for tuberculosis exposure and for serological evidence of HSV-1, Measles, SRV, Herpes B-Virus, and SIV exposure, when appropriate. A CBC,

serum chemistry, parasite screening, and rectal cultures are conducted when appropriate. NHP's are quarantined from other colonies until health assessments have been completed.

**V. PROCEDURES FOR STUDIES CONDUCTED IN ACCORDANCE WITH 21 CFR 58**

1. All newly received animals from outside sources shall be isolated and their health status shall be evaluated in accordance with acceptable veterinary medical practice.
2. At the initiation of a nonclinical laboratory study, animals shall be free of any disease or condition that might interfere with the purpose or conduct of the study. If, during the course of the study, the animals contract such a disease or condition, the diseased animals shall be isolated, if necessary. These animals may be treated for disease or signs of disease provided that such treatment does not interfere with the study. The diagnosis, authorizations of treatment, description of treatment, and each date of treatment shall be documented and shall be retained.
3. Animals of different species shall be housed in separate rooms when necessary. Animals of the same species, but used in different studies, should not ordinarily be housed in the same room when inadvertent exposure to control or test articles or animal mix-up could affect the outcome of either study. If such mixed housing is necessary, adequate differentiation by space and identification shall be made.

**Approved:**

**Date:**