

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

SOP#: 408.17

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**TITLE:** **Animal Biosafety Level-2 (ABSL-2) Rodent Husbandry**  
**SCOPE:** All Authorized Personnel  
**RESPONSIBILITY:** Facility Manager and Technical Staff  
**PURPOSE:** To Outline the Proper Procedures for Safe Husbandry Practices for Rodents Housed at ABSL-2.

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**I. PURPOSE**

1. To outline the proper procedures for safely conducting husbandry of rodents housed under animal biosafety level 2 (ABSL-2) conditions.
2. Reduce the risk of exposure of research and animal care staff to biohazardous agents within the animal facility.

**II.**

at the cage level are clearly labeled with the  
and specific safety practices implemented.  
ive equipment (PPE) is available.  
SDSs) are accessible,when available.  
mmunicated to the relevant personnel

are staff to:  
the procedures described.  
v room signage and SDS prior to  
described.

with Institutional Biosafety Committee  
the agent in use. Biohazard signage used on  
azard flags used on the cage must be posted  
ive of the actual use of biohazardous agents

icient viral **recombinant DNA** constructs or  
fts (**PDX**) administered to mice or rats is at  
housing room with (A) signs **SC #247** and  
oor, (B) all primary enclosures administered

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5. Wipe down counter/sink areas with Oxivir Tb
6. Assure any new arrivals are recorded on appropriate ***Per Diem Sheets.***
7. Record any additions or subtractions made by room technician or research staff as observed (e.g., weanlings, breeding pairs set up/removed, euthanasia, etc.)

b. **Weekly** room duties include:

1. Clean and disinfect changing station, if present, and clean/replace filters in accordance with **SOP #1129** entitled ***NuAire Small Animal Cage Changing Station.***

2. Clean and disinfect...

- f. Remove PPE prior to exiting the room.
  - g. Roll rack to freight elevator and load onto vehicle for transport to rack-washer.
  - h. Upon arrival to the facility for sanitization, the rack is rolled directly into the dirty-side of cage wash.
  - i. Personnel don appropriate PPE.
  - j. Cellophane wrap is removed and placed in red bag for disposal as biohazardous waste.
  - k. Supply and exhaust nozzles are removed and placed in Oxivir Tb solution.
  - l. Supply and exhaust plenums are removed, and plenum caps/sleeves are placed in Oxivir Tb solution.
  - m. Exhaust plenum is disconnected and flushed with a hose to remove debris.
  - n. Rack is loaded into rack-washer and run. The rack is inspected and may be cycled through the rack-washer a second time if necessary.
  - o. Clean rack is reassembled using the sanitized components.
24. Animals administered uncharacterized primary human tumor resections, tissue explants, blood, or other primary human or patient-derived xenografts (PDX) are housed in ABSL-2 containment. Xenografts that were primary human-derived may be characterized by polymerase chain reaction (PCR), enzyme linked immunosorbent assay (ELISA), or other appropriate methodology care of Comparative Medicine prior to implantation or during passage of xenografts from F1 to F2 recipient mice. If such grafts are shown to be free of human agents of concern, the characterized recipient mice are eligible for housing at ABSL-1, at the determination of the veterinarian. Human agents of concern that primary human-derived specimens must be tested for and found to be absent of