

Standard Operating Procedure

SOP Number: **02-18-4904**

Service: **Research**

Operating Section: **Husbandry**

Unit: **Comparative Medicine Facility**

Title: **Transportation of Animals in Animal Biosafety Level 2 (ABSL2) to and From the Cancer Center Irradiator Room**

Purpose:



To establish procedures for moving rodents in ABSL2 to and from the Cancer Center Irradiator Room

Procedure:

- 1) Prior to using the irradiator, contact the coordinator of the irradiator for training and security access.
- 2) Follow the proper entry order when selecting mice to be irradiated. Make sure "barrier" mice are irradiated before "less" clean mice in the entry order. Please ask CMF staff any questions about the order of mice to be irradiated.
- 3) Observe all posted gowning procedures prior to entering the Center for Translational Research and Education (CTRE) ABSL2 animal housing area.
- 4) In 071 spray wheels of cart (with 256 CPQ, or equivalent disinfectant OR the disinfectant listed in your biohazard SOP if animals are infected) before crossing into the autoclave room. Leave the cart in this area.
- 5) Place cages from the cubicle into a secondary container with lid (rat box) provided near the ABSL2 hood. Secondary cages should be requested in advance by sending an e-mail to cmfinfo@luc.edu at least 2 days in advance.
- 6) Carry cages in the secondary containers (with the lid on) from the cubicle area to the cart in the autoclave room.
- 7) Spray the outside of the secondary containers and cart wheels again (with 256 CPQ, or equivalent disinfectant OR the disinfectant listed in the biohazard SOP if animals are infected) after de-gowning and moving into the anteroom (071). Used PPE is placed in the red step can in 071. Cover cages and cart with appropriate drape while in anteroom.
- 8) Move cart directly to the south vivarium exit door (005B, nearest to ABSL2). Spray secondary containers (with 256 CPQ, or equivalent disinfectant OR the disinfectant listed in the biohazard SOP if animals are infected) again.
- 9) Transport the cages to the 2nd floor in the dirty elevator. Cross the bridge to the Cancer Center and take the hallway east to the elevators. Transport the cages to the 3rd floor in the dirty elevator (security access to the Cancer Center elevators is required). Follow the signs to the irradiator room (314A).
- 10) Outside the irradiator room spray drape again (in hallway).

- 11) Roll cart into the room (a small cart will fit); disinfect wheels while crossing the threshold.
- 12) Decontaminate the irradiator with appropriate disinfectant (provided in the room).
- 13) Transfer the mice to the special cage(s) that fits the irradiator. The cages are kept in Cancer Center room 325.
- 14) Handle mouse cages individually. Place cage and filter top in irradiator.
- 15) After irradiation, transfer the mice back to their home cage. Spray cage and cover while loading back on cart.
- 16) Cover cages and cart with appropriate drape(s) while in irradiator room.
- 17) When all work is completed in the irradiator room, disinfect with 256 CPQ (per irradiator training) any items or equipment exposed to the animal(s) or to soiled gloves. The special cages for the irradiator need to be autoclaved and returned to Cancer Center room 325.
- 18) After equipment sanitization with appropriate disinfectant and prior to using the equipment for any animals in the higher barrier area, an appointment must be made for ATP testing of said equipment by emailing cmfinfo@luc.edu. Once it has been tested, the person(s) making the request for testing is notified of the results. If any equipment does not pass, it must be re-sanitized and retested until it passes before any higher barrier animals can enter the room.**
- 19) In order to make the ATP status of the equipment easily visible to everyone, CMF will put a sign near the equipment that says "Ready For Use" on one side and "Not Ready For Use, Call CMF" on the other side. In addition to notifying the requester of the ATP results, CMF will flip the sign when the equipment is deemed "Ready For Use". We ask that the sign be flipped to the "Not Ready For Use Call CMF" side after procedures have been completed, the equipment was sanitized, and after notifying the CMF that the equipment is ready to be tested.**
- 20) Spray cart wheels while crossing irradiator room threshold.
- 21) Roll cart into hallway and relocate animals to the CTRE ABSL2 suite. Call CMF at (708) 526-4193 or (708) 526-4104 when heading back to the vivarium in CTRE so that you can be admitted.
- 22) Observe all posted gowning procedures prior to entering the CTRE ABSL2 animal housing area.
- 23) In 071 spray wheels of cart (with 256 CPQ, or equivalent disinfectant OR the disinfectant listed in the biohazard SOP if animals are infected) before crossing into the autoclave room. Leave your cart in this area.
- 24) Remove cages, spray with disinfectant and place back in the same spot on the ventilated rack in which they were previously housed.
- 25) When all rodents are back in the cubicles, place secondary containers into red autoclave bags and put them on the cart to be autoclaved by CMF.
- 26) Fully spray wheels and your cart surfaces (with 256 CPQ, or equivalent disinfectant OR the disinfectant listed in the biohazard SOP if animals are infected) before leaving 071.

APPROVALS

Responsible Official Signature		Date	
		12/11/2023	
QA Signature		Date	
		12/12/2023	
Version #1	Effective Date	Supersedes	Original Date

