



Kennedy Krieger Institute

F.M. Kirby Research Center Preclinical Imaging Facility

SOP for Imaging Radioactive Mice and Rats in KKI Preclinical Imaging Facility (Room G28B)

The following rules must be strictly followed. Failure to adhere to these rules may result in the termination of the protocol.

Entering and Exiting Room:

1. Follow standard animal room entering procedures for animal facility.
2. Lab personnel interacting with the hot animals are required to put on two pairs of gloves, garment covers, booties, and a radiation badge.

Exiting Animal Room:

1. All working areas will be cleaned with standard rodent disinfectant provided in spray bottles, in room G28B.
2. The users will bring a designated bag for radioactive waste, which will be taken back to the users' lab. No radioactive waste will remain in room G28B.
3. Survey the room with Geiger counter (provided by the user).
4. Remove both garment covers, shoe covers, gloves and sleeves, place in radioactive waste bag.
5. Survey yourself before exiting.

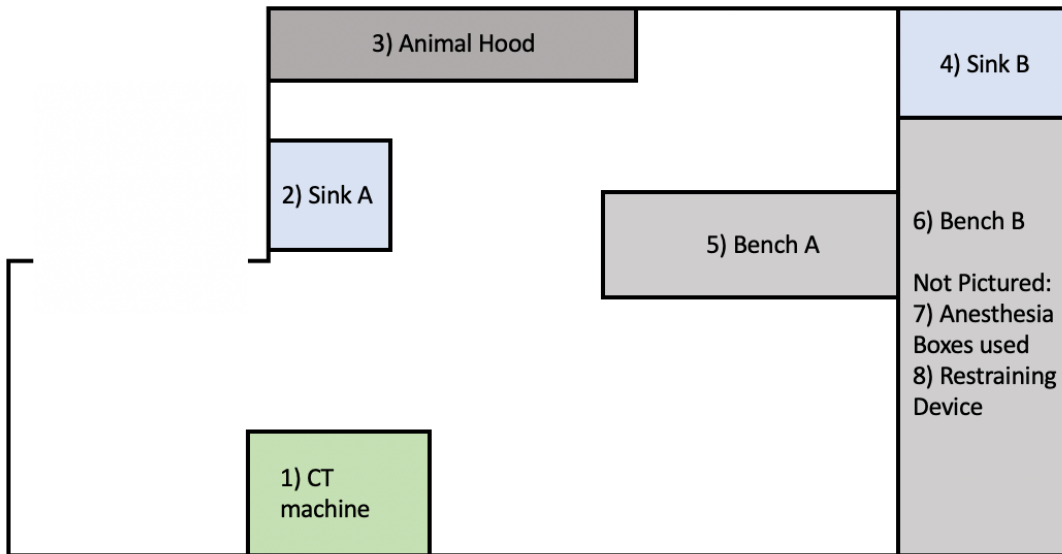
Radio Surveys:

Surveys will be completed in 2 areas of the facility (1) Animal Preparation Room (2) Scanning Area. See survey maps below.



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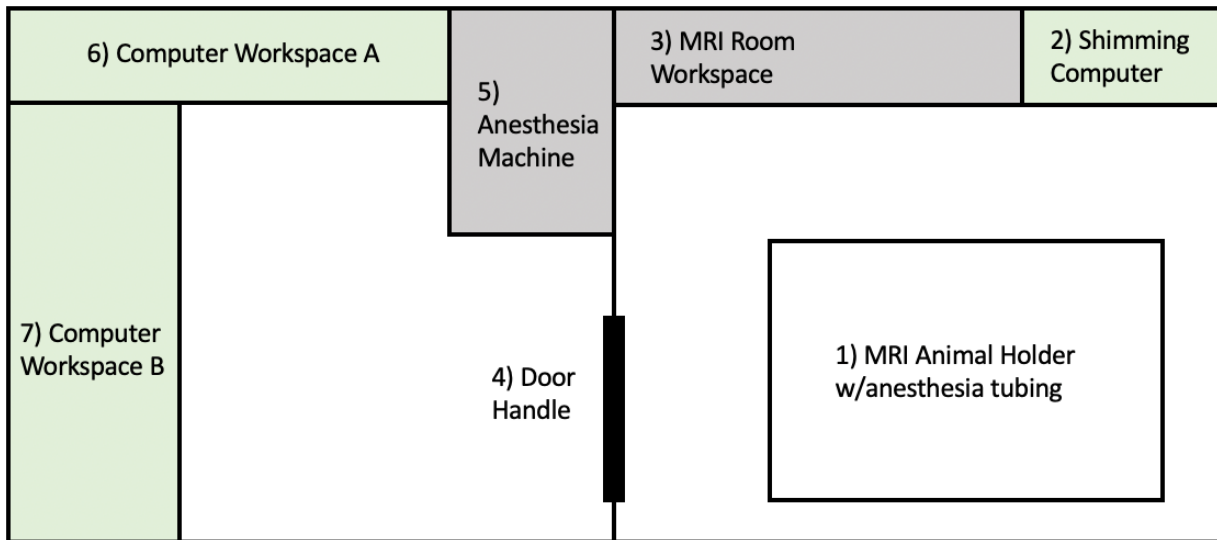
Animal Preparation Room:





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Scanning Area:



1. Meter and swipe surveys will be performed and recorded. All records will be kept in room G28B, a copy of which will be held with the user's Lab.

If radioactivity is found the user will locate the source, clean up the radioactive contamination and repeat radio surveys above.

Floors:

- Floors will be swiffered and recorded.
- The Swifter pads will be scanned for radioactivity and disposed of with the rest of the radioactive waste.
- If pad is hot, the contamination will be located and cleaned.

Working with Animals:

1. Prepare work area by disinfecting and covering the surface with absorbent pads.
2. Used materials will be disposed of in radioactive waste, sharps will be placed in radioactive sharps containers brought by the user.
3. Remove absorbent pads, spray all surfaces of work area with disinfectant and wipe clean.
4. Animals will be returned to the users' radioactive room.