

PROTECTION AND CONTROL
Use of Hazardous Materials in Live Animals within Animal Facilities

Hazard: Chemical Carcinogen Radionuclide Biological (specify level): 1 2 2 w/3 practice 3

PRINCIPAL INVESTIGATOR/LICENSEE ¹

PROTOCOL #(S)

AGENT(S)

Personnel Protective Equipment: Personnel must don the following equipment designated below during administration of the hazardous material, while handling exposed animals or their waste, and while providing husbandry for exposed animals:

- | | |
|---|---|
| <input type="checkbox"/> Laboratory coat 3/4 length, disposable | <input type="checkbox"/> Disposable shoe covers |
| <input type="checkbox"/> Tyvek jumpsuit, disposable | <input type="checkbox"/> Radiation dosimetry-specify: _____ |
| <input type="checkbox"/> Face shield | <input type="checkbox"/> Face mask |
| <input type="checkbox"/> Safety glasses | <input type="checkbox"/> Respirator, type: _____ |
| <input type="checkbox"/> Safety goggles | <input type="checkbox"/> Disposable gloves-type: _____ |
| | <input type="checkbox"/> Disposable head cover |

Training (selected criteria must be met):

- All personnel (with animal contact) must receive:
- Radiation safety training
 - Bloodborne pathogen training
 - Chemical hygiene plan training
 - RARC Training Isotope

Personal Hygiene: The following procedures must be followed:

- Shower after animal contact
- Handle these animals last after contact with all other animals is completed
- Wash or foam hands before and after removing gloves

Engineering Controls (Primary & Secondary Barriers): The following locations and/or procedures must be used:

- Isolation Cage
- MADU/Bioclean (negative)
- All animal manipulations and/or cage handling must be performed with in a:
 - Certified Biological Safety Cabinet
 - Certified Chemical Hood
 - Either
 - Other: _____

Comments: _____ Follow Radionuclide Guidelines as well as this

P and C form

Management Practices:

- Only authorized staff can access animal holding room
- Animals housed in room _____
- Other facility/lab specify: _____
- Investigative staff is responsible for cage changing following administration of the hazard for (duration): _____
- Cages must be decontaminated with lift-off by investigative staff prior to presentation to RARC.
- Investigative staff must place all caging and related equipment in biohazard bags, seal, and label for autoclaving by RARC staff.
- Investigative staff is responsible to conduct monitoring for radioactive contamination in the experimental work area and on equipment used in the animal facility
- Investigative staff must hold all caging and related equipment until it has been surveyed and released by Radiation Safety for handling by RARC Staff.
- Radiation Safety Office personnel must survey and release the animal holding room at the completion of the study.
- Other: _____

Hazard Identification: The information below must be posted:

Appropriate hazard symbol (s) e.g., biohazard, radionuclide, carcinogen
 Information regarding materials and amounts administered
 Date of administration
 Personnel responsible, with work and emergency phone numbers
 Application to Use Hazardous Materials in *in vivo* form
 Protection and Control Form (this form)

On each animal holding room door

On each cage

- | | |
|--------------------------|--------------------------|
| <input type="checkbox"/> | <input type="checkbox"/> |
| <input type="checkbox"/> | <input type="checkbox"/> |
| <input type="checkbox"/> | <input type="checkbox"/> |
| <input type="checkbox"/> | <input type="checkbox"/> |
| <input type="checkbox"/> | <input type="checkbox"/> |
| <input type="checkbox"/> | <input type="checkbox"/> |

Waste Disposal: The following procedures must be followed: If box is checked see attachment for additional instructions

- | | | |
|---|--|---|
| <input type="checkbox"/> All radioactive waste, except carcasses, will be stored in a drum located in _____ in plastic bags labeled with PI name, date bag(s) sealed, radionuclide activity for no less than 10 half lives. All waste must be surveyed by <u>Radiation Safety</u> prior to release to RARC. | <input type="checkbox"/> All radioactive carcasses are held in plastic bags labeled with PI name, date bag sealed, radionuclide, and activity in a freezer located in _____ for no less than 10 half lives. All waste must be surveyed by <u>Radiation Safety</u> prior to release for disposal. | <input type="checkbox"/> Waste/carcasses are placed in a sealed, biohazard bag, labeled with PI name, date, and hazardous agent administered. Place carcasses in the RARC refrigerator located in _____. Place waste in [] housing room or [] RARC refrigerator located in _____. |
|---|--|---|

Recommendation(s) required from the following personnel (per Veterinarian, RARC _____):

- Radiation Safety Office Chair, IBC Safety Director, RARC

Signature / Date

Signature / Date

Signature / Date

Signature / Date

Attachment: YES Date: _____ NO

Investigator:

I have reviewed the protection and control requirements stipulated above (including attachments) and I agree to the conditions described.

Signature

Date

PI: Please return form to WMC IACUC @ Kettering Laboratory, K-603 once signed.

¹ Radionuclide use requires an approved institutional license for the specific radionuclide used in vivo