

Radioactive Materials in Laboratory Animals Questionnaire

Principal Investigator: _____ Date: _____

Department: _____ Extension: _____ Mailstop: _____

Affiliation (circle one): Drexel University or Drexel University College of Medicine

Location(s) of Use (campus, building, and room number): _____

Section A General Information

1. Nuclide(s):
2. Activity administered per animal: _____ mCi/uCi
3. Chemical form:
4. Describe the biodistribution, kinetics, metabolism, and/or excretion of the administered material:

5. Animal species:
6. How many animals will be administered radioactive materials?
7. Where (building and room) will radioactive material be administered?
8. What is the route of administration?
9. How frequently will the administration(s) occur?
10. How will animal be restrained for the administration?
11. Will the animal be housed in the animal care facility after radioactive materials have been administered?
12. Will animal be euthanized?
 - a. If yes, how long after the administration?
 - b. Method?

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c. Where (building and room)?

13. How will the carcass(es) be disposed?

Section B Precautions if Animal Housed in Your Research Laboratory

14. Will animal(s) be housed in your research laboratory for more than 12 hours?

- a. If yes, how long will they be in your research laboratory?
- b. If yes, has the Institutional Animal Care and Use Committee (IACUC) agreed to the arrangements? (Note: If no, approval from the Radiation Safety Committee may proceed but it will be conditional on IACUC approval.)

15. Because animal bedding, leftover food, and water may become radioactive, describe your disposal procedures for these items.

16. Will the cage(s) be labeled *Caution Radioactive Material*?

17. How will cage(s) and other materials exposed to the radioactive animals be surveyed and decontaminated before returning them to the Animal Care facility?

18. Will the animal(s) be returned to the Animal Care Facility?

- a. If yes, how will the animal(s) be determined to be free of radioactivity before they are returned?

Section C Precautions if Animal Housed in University Laboratory Animal Resources Facility (ULARF)

19. Has the IACUC agreed to the arrangements? (Note: If no, approval from the radiation safety committee may proceed but it will be conditional on IACUC approval.)

20. Will the room be labelled *Caution RadioactiveMaterial*?

21. Who will care for the animal(s)?

- a. If your laboratory's personnel:
 - i. What arrangements have been made to care for the animal(s) on weekends/holidays?

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- ii. Describe the disposal of animal bedding, leftover food, etc. which may be radioactive.

Section C Precautions if Animal Housed in University Laboratory Animal Resources Facility (ULARF) (cont.)

- iii. How will the cage(s) and room will be surveyed and decontaminated by laboratory staff prior to releasing for unrestricted use?
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- b. If ULARF's personnel:
 - i. What arrangements have been made to train the ULARF personnel in proper handling of radioactivity?

 - ii. Will your laboratory supply radioactive waste containers for soiled bedding?

 - iii. How will cage(s) and room be surveyed and decontaminated by your laboratory staff prior to releasing for unrestricted use?

Section D Emergency Procedures

22. Will all individuals caring for or working with radioactive animals be informed of the following basic emergency procedures?

MINOR SPILLS* involving no radiation hazard to personnel.

1. **Notify** all other persons in the room or area that a spill has occurred.
2. **Prevent spread of contamination** by covering the spill with absorbent paper.
3. **Decontaminate** the area. Using paper towels or absorbent pads, clean towards the center of the spill. Place all waste into plastic bag and dispose as radioactive waste. Disposable gloves, lab coat and, if necessary, shoe covers should be worn. Cleansing agents may be used after initial decontamination attempt.
4. **Survey** the area and all contaminated and potentially contaminated individuals with a G-M survey meter. Survey for removable contamination using wipe samples.
5. **Report** the incident to the Radiation Safety Office by telephone.

MAJOR SPILLS, involving potential radiation hazard to personnel, involving personal contamination, or involving actual or potential uptake of radioactive material.

1. **Clear the area:** notify all persons not involved with or near the spill to vacate the room.
2. **Prevent spread of contamination:** cover the spill with absorbent paper. Do NOT attempt to clean it up. Assemble all potentially contaminated personnel near the room entrance.
3. **Close the room:** prevent entry into the room.
4. **Call for help:** Immediately contact Radiation Safety.
5. **Decontaminate personnel:** Survey personnel for contamination. Contaminated clothing should be removed and stored for evaluation by Radiation Safety. Contaminated skin should be flushed thoroughly and then washed with mild soap and lukewarm water.

FIRES

1. **Rescue** persons in immediate danger.

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2. **Alarm** - activate manual pull station and call Security at 7777 with location.

FIRES (cont.)

3. **Contain** the fire by closing the room.
4. **Evacuate** the area. Do not attempt to extinguish the fire unless:
 - a) The fire presents an immediate risk of injury to you or someone else in the area; or
 - b) The fire is very small in size, easily extinguished, and you have had fire extinguisher training.

Do NOT attempt to extinguish the fire if radioactive materials are directly involved. **Evacuate** the area; **contact** Radiation Safety ; and **notify** the firefighters that there are radioactive materials involved.

ANIMAL BITES

1. Inform medical personnel that the wound may be contaminated with radioactive material.
2. Immediately contact, have your supervisor contact, or have the medical attendants contact the RSO.

Radiation Safety Office Review (For Radiation Safety Office Use Only)

Reviewer: _____

Title: _____

Date: _____

Disapproved, returned to PI for additional information as follows:

Approved contingent on following:

Signature: _____

Date: _____