



DREXEL UNIVERSITY
DREXEL UNIVERSITY COLLEGE OF MEDICINE

Application for Possession and
Use of Radioactive Materials in Basic Research
Supplement for Laboratory Animal Uses

Authorized User Identification

Name First MI Last

Radioactive Material Type and Quantity

Radionuclide Chemical compound:
Activity administered per animal
Number of animals administered radioactive material
Number of administrations per animal:

Administration to Animals

Animal species (e.g., rat, mouse):
Describe administration method (e.g., IV injection into tail vein):
Will animals be anesthetized for administration? Yes No
If no, how will animals be restrained for administration?

Biodistribution, Metabolism, Elimination

Which of the following are likely to be radioactive (check all that apply):
Sweat / skin oils Urine Feces
Saliva / venom Blood or other body fluid
Which organs or tissues are radioactivity likely to accumulate or concentrate?
Briefly describe the expected pharmacokinetics (e.g., biological half-time):
Will the animals be euthanized Yes No
If yes, how?
How long will animals survive after administration?
How will carcasses be disposed?

Locations

Where will administration occur:
Animal Facility where (e.g. cage room, surgical suite)
My Laboratory
Other (describe arrangements)
Will animals remain at this location until euthanasia? Yes No, animals will not be euthanized
If no, how long will animals remain at this location before returning to animal facility?
Animals will be moved to: Animal facility Other:
How much radioactive material will remain in each animal when moved?

Animal Care and Precautions

Who will care for animals after administration? Animal facility staff Lab staff n/a (i.e., animals sacrificed)

If lab staff, describe weekend/holiday arrangements for animal care:

How will these animals be identified as radioactive?

What type of cages will be used (e.g., metabolic, disposable)?

Describe procedures cleaning and decontaminating cages:

Describe procedure for surveying cages prior to returning them for general use:

Describe procedure for removal of potentially radioactive bedding, leftover food, etc.:

Describe special precautions necessary to care for these animals

Describe procedure for surveying and decontaminating animal housing area for release to unrestricted use:

Describe arrangements to train animal caretakers regarding radioactive hazards associated with this project:

In case of animal bite, personnel know to instruct medical personnel that wound may be radioactive: Yes No

In case of animal bite, personnel know to contact or have someone contact the RSO immediately: Yes No

Institutional Animal Care and Use Committee Status

What is the status of IACUC approval?

Not submitted
Submitted, pending committee action
Approved pending Radiation Safety approval
Approved with pending conditions
Rejected.

Signature:

Date:

My name in the signature space above constitutes my signature on this document.