



APPLICATION TO USE RADIOACTIVE MATERIALS IN ANIMALS

Principal Investigator (RUA holder): _____ Date: _____

Project Title: _____ RUA# _____

Office/room #: _____ Mail code: _____ Phone: _____

This form is for principal investigators requesting to work with radioactive materials in animals. Final approval is granted by the IACUC. This document is a RUA amendment request only. Vivarium lab space is assigned by the Department of Animal Resources. For further information refer to the radiation safety manual.

A. Staff:

List all lab staff that you would like to have authorized for this specific animal protocol. All individuals must be listed on your RUA and have attended the appropriate animal use trainings.

<u>Name (First, Last)</u>	<u>Name (First, Last)</u>
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____

B. Experiment Specifics:

Animal (type): _____ Administrations/study: _____ Studies/yr: _____

Route of administration of radionuclide: _____

Radionuclide #1: _____ Chemical form: _____ Act. (μCi)/admin.: _____

Radionuclide #2: _____ Chemical form: _____ Act. (μCi)/admin.: _____

Describe in detail the portion of the protocol that involves the administration of radioactive materials and where the animals will be housed.

Describe the fate of the radioactive materials in the animal (half-life, excrement, target organs, etc.) Are there any volatile metabolites excreted or exhaled by the animals? If so please provide details.

Describe the safety precautions and equipment employed to minimize exposure to your staff AND the animal resources staff. Include PPE used, surveys performed, shielding, radiation detection instrumentation, etc.

Describe your method for decontaminating animal cages or if you plan to use disposable cages.

Describe the anticipated radioactive waste generated. Include estimated activities, physical form, and volumes. How will these wastes be disposed?

I understand that all uses of radioactive materials must be in accordance with the terms and conditions of my radiation use authorization, the institutional Radiation Safety Manual, and all applicable regulations. Animal cages will be appropriately labeled with a "Caution Radioactive Materials" label and will indicate the date of administration, isotope(s) administered, and the activity administered. I agree to notify the Department of Animal Resources and Environmental Health and Safety prior to the administration of radioactive materials to animals. Radioactive waste will be labeled with a completed radioactive waste tag. Animal carcasses, cage litter, etc., will be placed in a freezer for pickup by EH&S.

RUA Holder's Signature: _____

Date: _____

FOR EH&S USE ONLY

RSO Signature: _____

Date: _____

RSC Chair Signature: _____

Date: _____

Protocol Number: _____

Expiration Date: _____