

**UNIVERSITY OF LOUISVILLE RADIATION SAFETY COMMITTEE  
APPLICATION FOR AUTHORIZATION TO USE RADIOACTIVE MATERIAL**

NEW APPLICATION \_\_\_\_\_

AMENDMENT TO EXISTING APPLICATION \_\_\_\_\_

5 YEAR RENEWAL \_\_\_\_\_

BROAD MEDICAL LICENSE (HSC) HUMAN USE _____ NON-HUMAN USE _____ IN VIVO _____ IN-VITRO _____	BROAD ACADEMIC LICENSE (BELKNAP) IN-VIVO _____ IN-VITRO _____
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Authorized User Information

Name \_\_\_\_\_ Department \_\_\_\_\_ Phone # \_\_\_\_\_

**RADIONUCLIDE USE (ATTACH PROTOCOL FOR EACH RADIONUCLIDE)**

Radionuclide(s)	Chemical Form	Physical Form	Possession	Limit	Specific Use
			Total	Single	(Attach Protocol)

Facility and Protection Devices

Rooms where material will be used? Building \_\_\_\_\_ Rooms \_\_\_\_\_

Radiation Protection Devices: List devices for conducting surveys and wipe tests, personnel dosimetry, shielding, fume hoods and biological cabinets and other protective devices and clothing in attached radiation protection protocol.

Does use produce any gaseous products? Y N, Does use involve heating above 100° C? Y N

Are there any "Non-Radioactive " methods available? Y N Are there any shorter half-life radioactive materials available? Y N

**TRAINING AND EXPERIENCE OF APPLICANT FOR AUTHORIZATION AND ANY OTHER USERS INCLUDING LAB PERSONNEL**

APPLICANT NAME (INCLUDE TITLE, DEGREE AND DATE)

APPLICANT _____  OTHER _____	DESCRIPTION OF EXPERIENCE _____
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Signatures

Applicant \_\_\_\_\_ Date \_\_\_\_\_ Department Chair \_\_\_\_\_ Date \_\_\_\_\_

Reviewed & Approved By:

Radiation Safety Officer \_\_\_\_\_ Date \_\_\_\_\_

Committee Members \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_  
 \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_

Chair, Radiation Safety Committee \_\_\_\_\_ Date \_\_\_\_\_

## ATTACHMENT TO AUTHORIZATION APPLICATION

### RADIATION PROTECTION GUIDELINES

By signing below, you agree to follow the guidelines listed below and ensure that all individuals working under your authorization also follow the protocols. These guidelines help to facilitate working with radioactive material in a safe environment. If you have any questions regarding the use of radioactive material, please contact the Radiation Safety Office at 852-5231.

- ✚ Any personnel who will work with the radioactive material will go through the radiation safety training provided by the Radiation Safety staff.
- ✚ Any personnel who work in the areas where radioactive material is used will go through the radiation safety training provided by the Radiation Safety staff.
- ✚ All radioactive material shall be ordered by the Radiation Safety Office unless an exception has been made that has been approved by the Radiation Safety Committee.
- ✚ All radioactive material shall be received by the Radiation Safety Office unless an exception has been made that has been approved by the Radiation Safety Committee.
- ✚ All experiments will be carried out in the designated areas in the lab.
- ✚ Radioactive material will be used on areas that are covered with material that will help to absorb any spills.
- ✚ Surveys will be performed at the end of the experiment to ensure no contamination is present; results of all surveys shall be recorded for review
- ✚ Protective clothing such as lab coats and gloves shall be worn at all times while working with radioactive material.
- ✚ All radioactive material shall be shielded appropriately to ensure the surrounding radiation exposure is as low as reasonably achievable.
- ✚ Radiation monitoring badges will be worn by personnel using radioactive material when appropriate.
- ✚ All waste will be stored appropriately and picked up by the Radiation Safety Office unless an exception has been made that has been approved by the Radiation Safety committee
- ✚ All procedures will be abided by as listed in the Radioactive Material User Guide found on the U of L website: <http://louisville.edu/dehs/rad/radiationsafety.html>

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Signature of Applicant

\_\_\_\_\_  
Date