

Princeton University: Environmental Health & Safety

RADIOISOTOPE AUTHORIZATION APPLICATION

Date

For EHS Use:
Application #

Applicant		Position or Title	
Office (Bldg/Room)	Office Phone	Department	
Lab Manager or Contact			Lab Phone

1. Describe the radioisotopes for which you are applying for authorization:

Isotope	Possession Limit ¹ (mCi)	Type of Source ²		Physical & Chemical Form	Max. Activity Per Procedure (μCi or mCi)	Frequency of Procedure (times per wk or mo)
		Open	Sealed			

¹ The possession limit requested should be large enough to cover the maximum inventory in your possession at any one time, including in-lab wastes, stored materials, and materials on order.

² An open source has a reasonable potential for release; a sealed source is a contained encapsulated source

2. List **all** locations where radioactive materials will be used or stored (include building and room number):

Building	Room	Intended Use

See reverse side

3. Description of the experiment.

a. If your work will use any of the following radioisotope procedures, please list the radioisotope(s) on the line in front of the procedure you will use:

_____	Gel Electrophoresis	_____	Tissue Culture Work
_____	Nucleic Acid Hybridization	_____	Protein/Molecular Weight Markers
_____	In-Situ Hybridization	_____	CAT Assays
_____	Sequencing	_____	Enzymatic Assays
_____	Metabolic Labeling	_____	Receptor Binding Studies
_____	Kinase Assays	_____	Iodinations: Type? _____
_____	Uptake Studies	_____	Radioimmunoassays
_____	Immunoprecipitations	_____	Western Blots
_____	Other (Complete 3b below)		

b. Will your work use procedures other than those listed? () Yes () No If 'yes', for each radioisotope, provide a brief description of the experimental protocols, including physical and chemical manipulations. Use additional pages if necessary.

- c. Describe any radiation safety hazards, such as volatility concerns, special shielding requirements, etc., that you anticipate arising from the protocols listed in Items 3a and 3b and specific precautions that will be taken to minimize the hazards. Use additional pages if necessary.

4. Will animals or animal tissues be used in this work? () Yes () No
If yes, complete EHS-HP Form # 70c ("Animal Protocol Supplement").

Additional Documentation:

You must also complete EHS-HP Form #70a ("Radioisotope Authorization Application: Supplement"), and first time applicants must submit EHS-HP Form # 70b ("Statement of Training & Experience").

Certification: *I certify that the work carried out under this authorization will be performed in accordance with the regulations of all applicable licensing authorities, the rules contained in the Princeton University Radiation Safety Guide, and any conditions imposed on these authorizations by the Radiation Safety Committee. I will submit an "Application to Amend Radioisotope Authorization" (EHS-HP Form 70d) if I plan any substantial changes from the work described in this application.*

Applicant's Signature	Date
Acknowledgement by Departmental Safety Manager	Date
Approval by Radiation Safety Officer or Asst. RSO	Date

For Radiation Safety Committee use: [] Approved [] Disapproved

Remarks and Conditions:

RSC Member Signature: _____ Date: _____