

DREXEL UNIVERSITY DREXEL UNIVERSITY COLLEGE OF MEDICINE

Application for Possession and Use of Radioactive Materials in Basic Research

Identification	
Name First	MI Last Suffix Degree (MD, Ph.D.)
Department	Faculty Appointment:
E-mail	Phone: Fax:
Location	
Employer Drexel University Drexel College of N	Campus ☐ Center City ☐ Queen Lane ☐ Main ☐ Other:
Office Building	Room
Radioactive Material	
Radionuclide 1 C	hemical Form:
Physical Form: gas	☐ liquid ☐ sealed source ☐ plated source ☐ other solid
For sealed or plated source: M	fg/model: Device mfg/model:
For other solid describe source	(e.g., powder, activated metal):
Activity per order	Order frequency per
Activity per experiment	Experiment frequency per
Maximum amount in lab at one time	e (including in waste):
Radionuclide 2 C	hemical Form:
Physical Form: gas	☐ liquid ☐ sealed source ☐ plated source ☐ other solid
For sealed or plated source: M	
For other solid describe source	
Activity per order	Order frequency per
Activity per experiment	Experiment frequency per
Maximum amount in lab at one time	
Radionuclide 3 C	hemical Form:
Physical Form: gas	☐ liquid ☐ sealed source ☐ plated source ☐ other solid
For sealed or plated source: M	lfg/model: Device mfg/model:
For other solid describe source	(e.g., powder, activated metal):
Activity per order	Order frequency per
Activity per experiment	Experiment frequency per
Maximum amount in lab at one time	e (including in waste):

Methods/Procedures
Describe the laboratory procedures performed with radioactive materials. (Reprint may be attached if it describes the methods in detail)
Radiosotope 1:
Have you performed these procedures previously:
Radiosotope 2:
Tealise topo 2.
Have you performed these procedures previously:
Radiosotope 3:
Have you performed these procedures previously:

If these procedures involve administration of radioactive material to animals, complete the Animal Use Questionairre. If you are applying for additional isotopes or additional chemical forms, complete the supplemental isotope form (a simplified copy of this page). Very similar chemical forms can be grouped together, e.g., nucleotide tri-phosphates.

Equipment and Facil	ities									
Location List building(s	s) and room(s) where	e radioactive ma	terial will be u	sed or stored, and t	the room use, e.g., o	counting, storage	e, laboratory.			
Campus E	Building		Room	No. Use)					
Main										
Main										
Main										
Main										
Analytical Radiation De	etection Equipme						del number (if			
Туре	1	кпоwn), an Mfg. & Model		ıny analytical equipr	nent used with this properties. Location	protocoi.				
	The state of the s				1					
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					<u> </u>					
Deuteble Dediction Com							5 1111			
Portable Radiation Sur Manufacturer & Model				er and model numb / Probe Type	er(s) of survey mete	ers available in th	ne facility.			
Mandiacturer & Moder	INO.	;	nstrument.	Trobe Type						
										
										
Describe available shi	elding:									
Hood(s):										
Radioactive Waste Indicate the types of waste a	and the disposal cate	gory that will be	generated,							
	Solid	Aqueous Liquid	Organic Liquid	Liquid Scint	illation Fluids	Animal Carcasses	Sealed Sources			
Storage for Decay				roluerie/xylerie	Non-flammable		Cources			
Half-life < 3 days Storage for Decay		П	П		Ιп	П				
Half-life < 100 days Sewer Disposal				_						
Exempt biomedical										
<0.05 μCi/g of ¹⁴ C of ³ H Mixed Waste			П							
Hazardous & radioactive Off-site Disposal										
Estimate the volume of	f waste generate	d annually:			ı	l				
Solids & liquids stored for decay: Liters										
Off site disposal:	Small (5 gal, 0.7 cf) pails Liquid scintillation fluids: Small (5 gal, 0.7 cf) pails						7 cf) pails			
Animal carcasses:	cubic feet Mixed waste: Liters									
		By activity, estimate the amount of waste to be sewer disposed per month: microcuries								

Training and Ex Complete this section		ave ap	oproval to use radioactive	materials at Drexel I	Univer	sity or the College of	of Medi	icine.		
· [•							
Topics		lı	Formal and On-The-Job Traini Institution(s) Where Training was Received		Dates of Training		Instruction Hours Lab and Classroom			
Principles of rac	liation protection		110001100				Lux	<u> </u>		
Measurement /										
techniques and instruments										
Calculations ap										
	g., half-life decay)									
Biological effect	s of radiation									
5 " " " " " " " " " " " " " " " " " " "			nal Experience with					T		
Radionuclides	Maximum amoun handled (millicurie		Institution(s) Where Experience was Gained		Duration of Experience			Type of Use		
•	een an authorized u	ıser:	☐ yes ☐ no	If so, where:						
Personnel	who will be working with r	adinan	ctive materials under your	authorization						
List other personner v	viio wiii be working with i	adioac	cive materials under your	authorization.						
Name			Registered as a adiation Worker	Initial radiati instructions pro				ided Radiation y Short Course		
						, 1				
			느			<u> </u>				
Certification										
I agree to conduct activities under this authorization in full compliance with applicable federal, state and local regulations, and institutional policies. I have read and understand the applicable parts of the Radiation Safety Manual and agree to keep an updated Manual on file for reference in my office or laboratory. I understand and agree that it is my responsibility to post requisite signs, labels, and warnings prominently in my laboratory; to perform and document wipe tests for removable contamination after each experiment; to train or provide for training of all radioactive users under my supervision; to account for the receipt, use, and disposal of all radioactive materials; and to properly dispose of radioactive materials. I agree to contact the Radiation Safety Officer before transferring radioactive materials, before moving into or out of laboratories, and in the event of a spill or incident or emergency involving radioactive materials.										
Signature:				Date:						
☐ My name in the signature space above signifies my signature on this document.										