

Protocol for Use of Radioactive Materials

1.	AUTHORIZED USER							
	Name				Phone			
2.	PROJECT NAME				3. FACILITY			
					Building		Lab	
4.	PROJECT D	ESCRIPTION						
5.	ALITHORI7F	D RESEARCHE	25					
J.	AOTHORIZE	D RESEARONEI		Employee	I			
	Name			Student ID				
	Experience							
	N.			Employee				
	Name			Student ID				
	Experience							
	Name			Employee, Student ID				
	Experience							
l 6 .	insert rows as needed. RADIOACTIVE MATERIALS USED: List each radionuclide used and the maximum amount used in any single procedu Indicate if there is a potential for airborne contamination. * Attachment 2, UNLV Risk Assessment and Control Guideline Unsealed-Radioactive Materials. Note: If nuclide not listed, refer to 10 CFR20, Appendix B, Table 1.							
	Nuclide	Maximum Activity per Use (µCi)	ALI- Inhalation (µCi)	ALI- Ingestion (µCi)	ALI-Limiting (μCi)	Potential Airborne* (Y/N)	Risk Level** (1-4)	Physical Form / Chemical Name

UNLV RM&S

13.

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17.	EMERGENCY PROCEDURES: Describe or reference.	
18.	RSO Conditions/Comments: Describe or reference.	
	Conditions:	
	Comments:	

DECLARATION by RESEARCHER(S)

I have read and understood the <u>UNLV Radiation Safety Manual</u> . I agree to read any additional rules or guidelines
issued by UNLV or external regulatory agencies. I agree to abide by these rules or to discontinue working with
radioactive material.

Date	
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* USNRC 10 CFR20 Appendix B Table 1. Revised Aug 11 2010.

** See "UNLV Guideline for Risk Assessment and Control of Radioactive Materials" for details on derivation of risk level limits.

Note: If nuclide is not listed, refer to 10 CFR 20, Appendix B, Table 1

Note

ATTACHMENT 2 UNLV RISK ASSESSMENT and CONTROL GUIDELINE for UNSEALED-RADIOACTIVE MATERIALS

Rad Safety Level	Risk Level	Activity per Experiment * (all apply)	Control Measures	Bioassay Requirement and Periodicity	Α	
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University of Nevada Las Vegas

ATTACHMENT 2 UNLV RISK ASSESSMENT and CONTROL GUIDELINE for UNSEALED-RADIOACTIVE MATERIALS (cont.)

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sl a



ATTACHMENT 2 UNLV RISK ASSESSMENT and CONTROL GUIDELINE for UNSEALED-RADIOACTIVE MATERIALS (cont.)

Rad Safety Level	Risk Level	Activity per Experiment * (all apply)	Control Measures	Bioassay Requirement and Periodicity	Air Monitoring
	HIGH RISK: Very likely to receive an annual dose in excess of 5 rem. Mitigated by:	Non-Airborne $>$ 50 to ≤ 1,000	 Protocol approval by Authorized User and RSO 		
	the Worker has advanced	ALI-Ingestion	Authorized User MUST be present in lab		
	knowledge in radiation safety principles and practices, plus task specific training and procedures	<u>Airborne</u> > 50 to ≤1,000 ALI-Limiting	 Initial applied training of Worker by Authorized User followed by routine supervision 		
	 consistently using task specific control measures 	<u>All</u> Max. = 1000 mCi	 In-procedure monitoring and post use surveys by Worker 		
4	 demonstrating the ability to effectively control radiation hazards 		Weekly survey by Authorized User/Staff		