

Auburn University

Laboratory Radioactive Waste Collection Guidelines

	WASTE TYPE			
	Solid	Liquid	Full Liquid Scintillation Vials	
I S O T O P E T Y P E	Long-Lived <i>Half-Life > 120 days</i> (C-14, H-3, Cd-109, Cl-36, Fe-55, Mn-54, Na-22, Pb-210, and all others)	<ul style="list-style-type: none"> Segregate burnable waste (paper, thin plastic, gloves) from nonburnable source vials and outer containers, glass) Remove or deface any "Radioactive Material" markings and trefoil radiation symbols. DO NOT place removed markings and trefoil symbols in radioactive waste, tear smaller and place in regular waste. Comingle all solid waste in one container 	<u>All Isotope Types:</u> <ul style="list-style-type: none"> Includes radioactive material itself <i>plus first rinse</i> of containers holding RM Must be readily soluble/dispersible in water Segregate by isotope 	<u>All Isotope Types:</u> <ul style="list-style-type: none"> Collect full vials in a solid waste drum separate from other waste Segregate by isotope
	Short-Lived <i>Half-life 15-120 days</i> (I-125, S-35, Cr-51, Fe-59, P-33, Rb-86, Sr-85 and all others)	<ul style="list-style-type: none"> Remove or deface any "Radioactive Material" markings and trefoil radiation symbols DO NOT place removed markings and trefoil symbols in radioactive waste, tear smaller and place in regular waste. 	<ul style="list-style-type: none"> Segregate by isotope Only biodegradable scintillation fluid Containers must be stored in secondary containment to control leaks/spills 	
	Very Short-Lived <i>Half-life < 15 days</i> (Bi-210, I-131, Nb-94, P-32, Sc-47, Tc-99m and all others)	<ul style="list-style-type: none"> Comingle all solid waste in one container 		

Prohibited Items (*Contact Radiation Safety prior to generating waste to make special arrangements*):

- Hazardous materials including lead & mercury
- Biohazard bags or other hazardous materials markings
- Sharps including needles & razor blades
- Animal waste including excreta, carcasses, tissue

Contact Radiation Safety Technician at 334-703-7520 or radsaft@auburn.edu to arrange for pickup

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