


Standard Operating Procedures for Chemicals or Processes

#1 Process (if applicable)	Cool and heat water bath to assess lower thermal tolerance.	
#2 Chemicals and Hazards	1. Burns from Hot or Cool Temperatures 2. Toxic chemicals - antifreeze (Ethylene glycol and Propylene glycol) 3. Spills Risk assessment: The risk of using the Refrigerated Cooling Waterbath is low under normal operation.	
#3 Personal Protective Equipment (PPE)	Gloves and safety glasses should be worn when handling Ethylene glycol in the water bath.	
#4 Environmental/Ventilation Controls	None	
#5 Special Handling Procedures & Storage Requirements	1. Use antifreeze according to the Suppliers Instructions. 2. Use only the liquids specified. Do not use them outside the specified temperature range. 3. Disconnect the power supply before moving, filling or emptying the tank. 4. Wear enclosed shoes when handling cooling waterbath.	
#6 Spill and Accident Procedures	In the event of a spill, clean up immediately. If the spill is large, isolate area and deny entry. Provide ventilation. Care should be taken to avoid direct body contact and inhalation. Carefully wipe up spill. Approach spill from upwind. If spill is too large to safely clean up, leave the room and call the UW EH&S Spills Line at 206-543-0467. If exposed, remove contaminated clothing and shoes, and flush skin with plenty of water for at least 15 minutes. If someone is incapacitated, call 911 and initiate first aid if possible. Fire Fighting Measures: For small fires, personnel trained in the use of the lab fire extinguisher may attempt to put out fire. In the event of a large fire, or if no trained personnel are present, evacuate the premises and call 911 immediately.	
#7 Waste Disposal	For spills: place used absorbent in 4 L HDPE storage bottle. For all waste, label with Hazardous Waste Label, accumulate according to requirements, and send in Chemical Collection Request or Routine Pickup request, both available online at http://www.ehs.washington.edu/chemical/hazardous-chemical-waste-disposal .	
#8 Special Precautions for Animal Use (if applicable)		
Particularly hazardous substance involved?	<input type="checkbox"/> YES:	Blocks #9 to #11 are Mandatory
	<input checked="" type="checkbox"/> NO:	Blocks #9 to #11 are Optional.
#9 Approval Required		
#10 Decontamination		

#11 Designated Area	
Name: Lauren Buckley Title: PI	
Signature:  Date: 07/02/2021	