

University of Washington

Standard Operating Procedures for Chemicals or Processes					
#1 Process (if applicable)	Rapid freezing (snap-freezing) of tissue samples for cryosectioning and subsequent microscopy.				
#2 Chemicals	Heptane, Isopentane (2-methylbutane). These solvents are super-cooled with dry ice or liquid nitrogen prior to immersing tissue samples during the snap-freeze process.				
#3 Personal Protective Equipment (PPE)	Lab coat, gloves, eye protection				
#4 Environmental / Ventilation Controls	Heptane/Isopentane should only be dispensed/handled in the fume hood (CD 186A) or on the perfusion sink grating or with the fume scavenger in place when working in CD 055.				
#5 Special Handling Procedures & Storage Requirements	Avoid sources of ignition during use. Store in flammable cabinet beneath fume hood (left-hand side) in CD 186A or in flammable cabinet in CD 186F.				
#6 Spill and Accident Procedures	Remove sources of ignition if it is safe to do so. Clear personnel from the immediate area. Absorb with vermiculite, if possible. Notify EH&S (3-0467) or call 9-911. Vermiculite in knee well beside key drawer in CD 186A.				
#7 Waste Disposal	Collect waste heptane/isopentane for pickup by EH&S				
#8 Special Precautions for Animal Use (if applicable)	N/A				
Particularly hazardous substance involved?	<table border="0" style="width: 100%;"> <tr> <td style="text-align: center;">YES:</td> <td style="text-align: center;">Blocks #9 to #11 are Mandatory</td> </tr> <tr> <td style="text-align: center;"><input checked="" type="checkbox"/> NO:</td> <td style="text-align: center;">Blocks #9 to #11 are Optional.</td> </tr> </table>	YES:	Blocks #9 to #11 are Mandatory	<input checked="" type="checkbox"/> NO:	Blocks #9 to #11 are Optional.
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:	E. W Rubel				
Signature:	Date: Jan. 31. 2004				