

University of Washington

Standard Operating Procedures for Chemicals or Processes							
#1 Process (if applicable)	Compressed gas cylinders are used for various operations in the lab. Tanks are in use in CD 186J,K,N; CD 055, 056, 076.						
#2 Chemicals	Compressed gas cylinders present hazards due to the volume and pressure of the gas contained. Leaking or vented inert gas can displace breathing air. This SOP is for CO2, N2, carbogen, oxygen, Ar, He.						
#3 Personal Protective Equipment (PPE)	Eye protection. Lab coat and gloves may also be desirable.						
#4 Environmental / Ventilation Controls	Test fittings and connections for leaks using dilute, soapy water. Verify that regulators are working properly.						
#5 Special Handling Procedures & Storage Requirements	Cylinders must be fastened securely at all time whether in use, transit, or storage. Safety caps must be in place during transit and when tanks are not in use. Tank carts are kept in CD 186F.						
#6 Spill and Accident Procedures	Close tank valve if it is safe to do so. Contact EH&S @ 3-0467 for persistent leaks. Avoid all sources of ignition when using oxygen in conjunction with anesthesia (CD 055). Have fume scavenger in place.						
#7 Waste Disposal	Empty cylinders should be returned to CD 186F for pickup by U.C. Stores.						
#8 Special Precautions for Animal Use (if applicable)	Follow I.A.C.U.C. protocol for CO2 use in euthanasia chambers (CD 055, 076). Consult protocol 2048-2 for changes in regulations.						
Particularly hazardous substance involved?	<table border="0" style="width: 100%;"> <tr> <td style="width: 30%; text-align: center;">YES:</td> <td style="width: 40%;"></td> <td style="width: 30%; text-align: center;">Blocks #9 to #11 are Mandatory</td> </tr> <tr> <td style="text-align: center;"><input checked="" type="checkbox"/></td> <td style="text-align: center;">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	Title:					
Signature:		Date: Jan. 30. 2004					