







Door Sign Guidance Document










The purpose of the laboratory door signs is to communicate the hazards present in the laboratory to all employees, students, visitors and emergency responders. The information on the Laboratory Door signs is provided by the Principal Investigator (PI). Laboratory door signs should be routinely reviewed and updated if hazards have changed.










The door sign will be mounted at all the entrance(s) leading into the lab. This includes doors from corridors, stairwells, other laboratories, and other non-laboratory spaces. Including doors within the laboratory suite and lab design set-up that lead to areas with higher or lower hazard ratings.



The laboratory door sign must be printed in **colour**.

Indicate Each Hazard in Your Lab:

<p>Compressed Gas - Rooms or cabinets normally contain cylinder(s) of compressed gas.</p>	
<p>Compressed Flammable Gas - Rooms or cabinets normally contain cylinder(s) of compressed flammable gas.</p>	
<p>Containment Level 1 –Risk Group 1 organisms (biological agent that is unlikely to cause disease in healthy workers or animals) are stored and/or in use.</p>	
<p>Containment Level 2 - Risk Group 2 organisms (pathogens that can cause human disease but, under normal circumstances, is unlikely to be a serious hazard to laboratory workers, the community, livestock or the environment) are stored and/or in use.</p>	
<p>Containment Level 3 – Risk Group 3 (pathogens that usually causes serious human disease or can result in serious economic consequences but does not ordinarily spread by casual contact from one individual to another, or that causes diseases treatable by antimicrobial or antiparasitic agents) are normally used or stored.</p>	
<p>Corrosive - Corrosive substances capable of damaging human tissue in quantities greater than 10 L or 10 kg present.</p>	

<p>Cryogenic – Cryogenic materials normally present.</p>	
<p>Explosion risk - Self-reactive substances and mixtures and organic peroxides normally present.</p>	
<p>Flammable - Flammable liquids in quantities greater than 10 L in use, or flammable storage cabinet is present. Flammable solids, spontaneously combustible, and air-reactive materials (pyrophorics) normally stored and/or in use in any quantity.</p>	
<p>High Temperatures - Equipment which operates at a temperature in excess of 250 °C present.</p>	
<p>High Voltage – Electrical equipment or cables capable of generating high voltages (>600 volts) in the course of its operation.</p>	
<p>Laser Class 3B – Class 3B lasers are stored and/or in use. The hazard warning placard must be supplemented by posting a DANGER or CAUTION warning placard when lasers are in operation.</p>	
<p>Laser Class 4 - Class 4 lasers are stored and/or in use. The hazard warning placard must be supplemented by posting a DANGER or CAUTION warning placard when lasers are in operation.</p>	
<p>Magnetic Fields - static magnetic fields in excess of 1.0 mT (10 G) are present</p>	
<p>Microwave – equipment with potential for personal exposure to microwave radiation (frequency 300 MHz to 30 GHz) in excess of 10 mW/cm².</p>	

<p>Noise - Noise sources which operate at a continuous noise level of 85 dB(A) or impact noise level in excess of 140 dB are present.</p>	
<p>Nuclear Substances Basic - Radioactive materials are used or stored, or where radioactive wastes are accumulated. Basic is when more than 1 EQ (exemption quantity) of a nuclear substance is handled and where the largest quantity (in Bq) handled by an individual worker does not exceed 5 times its corresponding ALI (annual limit of intake) in Bq. If unsure, please consult permit).</p>	
<p>Nuclear Substances Intermediate - Radioactive materials are used or stored, or where radioactive wastes are accumulated. Intermediate is where the largest quantity (in Bq) handled by an individual worker does not exceed 50 times its corresponding ALI (annual limit of intake) in Bq. If unsure, please consult permit).</p>	
<p>Oxidizer - Oxidizers in quantities greater than 4 L or 4 kg present.</p>	
<p>Propane Lines - The lab is serviced by a presently active, piped-in propane gas service.</p>	
<p>Exempted Quantities – Radiation - Radioactive Materials of Exempted Quantities are normally stored.</p>	
<p>Toxic - Material rated toxic and/or poisonous as defined by WHMIS in quantities greater than 5 kg present.</p>	
<p>Ultraviolet Light Sources – UV sources operating at a wavelength capable of germicidal irradiation normally in operation.</p>	
<p>X-Rays – X-ray emitting device present.</p>	

<p>Water Reactive – Water reactive materials in any quantity are present or in use in the laboratory.</p>	
<p>Custodial Services Permitted - Custodians may enter the laboratory without an escort for cleaning.</p>	
<p>No Custodial Services Permitted - Custodians must be accompanied by an escort for entry into the laboratory for cleaning.</p>	