

**University of Kansas
Department of Environment, Health & Safety
Laboratory Safety Program**

Laboratory Registration & Hazard Identification

Identify and assess laboratory hazards and potentially harmful materials with respect to university safety policy, as well as standard laboratory safety practice. ([Laboratory Safety Manual, Part I, Section 3.3](#))

Many radioactive, biological, and chemical materials require prior review and approval by Environment, Health & Safety (EHS) and/or university safety committees before ordering and/or working with them. This information is also used for creating door postings, facilitating emergency response procedures, and coordinating laboratory safety efforts.

This form is updated by the Principal Investigator and/or lab Supervisor annually or each time the hazards change. File one copy in the laboratory and submit a second copy to EHS.

Submit completed form for reviews and approvals:

Department of Environment, Health & Safety - Laboratory Safety Program
University of Kansas, 101 Kurata Building, (2330 Cromwell Drive)
Email: labsafetyehs@ku.edu

I am familiar with the policies and procedures of the University of Kansas regarding laboratory safety. I hereby certify that the use of all materials and all activities undertaken within this lab will be in accordance with the policies and procedures of the [KU Laboratory Safety Manual](#).

Laboratory Information:

Date:	_____
Building: _____	Room#: _____
Department: _____	Phone#: _____
Faculty PI/Lab Supervisor: _____	Phone#: _____
Primary Emergency Contact: _____	Phone#: _____
Alternate Emergency Contact: _____	Phone#: _____

Lab Hazards: (Mark all that apply)
Physical Hazards (heights, tools, ovens, confined spaces, etc.)
Chemicals
Biohazards (Infectious Material, rDNA)
Radiation (Ionizing and/or Non-Ionizing)
Lasers / Laser Systems

Lab Category: (Mark only one)
Research Focused
Teaching Focused
Support Focused

For more information, please visit the EHS website, <http://www.ehs.ku.edu/>, or call 864-4089.

Lab Safety Equipment

Identify safety equipment present in the lab.

Equipment	Note	Present in Lab	
Emergency Equipment			
Emergency Shower in Lab (or location of closest one)		Y	N
Eyewash (hands-free operation)	Weekly flushing required by lab staff	Y	N
Drench Hose / Hoses		Y	N
Chemical Spill Kit	Contact EHS-Hazmat for a free kit	Y	N
Fire Blanket		Y	N
First Aid Kit	Supplied by Lab or Department	Y	N
Personal Protective Equipment (PPE)			
Personal Protective Equipment: safety glasses, goggles, face shields, gloves, lab coats, etc.	Supplied by Lab	Y	N
Full-length pants or skirt, shoes that completely cover feet	Supplied by Individual	Y	N
Respirators used by lab personnel <i>Date of last EHS Respirator Use Training:</i>	Requires specific training, fit testing, and medical monitoring	Y	N
Required Training Records and Compliance Documents on file		Y	N
Local Exhaust Ventilation			
Chemical Fume Hood(s)		Y	N
Perchloric Acid Hood		Y	N
Glovebox		Y	N
Ventilated Workstation(s)		Y	N
Balance Enclosure(s)		Y	N
Biological Safety Cabinet(s)		Y	N

Physical Hazards

Identify physical hazards present in the lab.

Physical Hazards	Note	Present in Lab	
Cryogenic Equipment (liquid nitrogen, sub-zero freezers, etc.)		Y	N
Drying Ovens		Y	N
Heating Apparatus		Y	N
Autoclave(s)		Y	N
Industrial Equipment posing a physical hazard		Y	N
High Risk Electrical (>25 milliamper exposure)		Y	N
Solvent Still(s)		Y	N
Distillation Equipment		Y	N
Centrifuge (high- or ultra- speed)		Y	N
Other Physical Hazards: (Please identify)		Y	N

Chemical Hazards

Identify the chemicals present (or anticipated to be present) in the lab. Some items will require authorization/additional information before purchase and use. EHS will work with each lab to identify these items and to complete the specific requirements.

Chemical / Chemical Class	Present in Lab	
Flammable / Combustible Liquids	Y	N
Flammable Solids	Y	N
Air Reactive (Pyrophoric) Materials	Y	N
Water Reactive Materials	Y	N
Oxidizers	Y	N
Organic Peroxides	Y	N
Compressed Gas:		
Flammable	Y	N
Corrosive	Y	N
Inert	Y	N
Oxidizing	Y	N
Poisonous	Y	N
Reactive	Y	N
Hydrogen	Y	N
Chlorine	Y	N
Fluorine	Y	N
Corrosive Compounds (Liquids)	Y	N
Corrosive Compounds (Solids)	Y	N
Hydrofluoric Acid	Y	N
Perchloric Acid (< 70% Concentration)	Y	N
Perchloric Acid (\geq 70% Concentration)	Y	N
Mutagens	Y	N
Teratogens	Y	N
Carcinogens	Y	N
Mercury, elemental (not contained in devices)	Y	N
Mercury Containing Devices (thermometers, barometers, etc.)	Y	N
Highly Toxic Chemicals (<i>LD50-oral < 50 mg/kg; LD50-skin < 200 mg/kg; LC50-inh < 200 ppm or < 2 mg/L</i>) <i>Use Material Safety Data Sheet Toxicology results. (Example: Sodium Azide)</i>	Y	N

Regulated Chemicals Reference: Lab Safety Manual Part II, Appendices 8.2.7.1 - 8.2.8.3		Present in Lab	
Peroxide Forming Chemicals	8.2.7.1	Y	N
Potentially Explosive Compounds	8.2.7.1	Y	N
ATF/DOT Identified Explosives	8.2.7.2	Y	N
OSHA Listed Carcinogens	8.2.8.1	Y	N
OSHA Regulated Substances (<i>Example: Benzene</i>)	8.2.8.1	Y	N
Methylene chloride (CAS# 75-09-2) and/or solutions containing $\geq 0.1\%$		Y	N
National Toxicology Report (NTP) Carcinogens	8.2.8.2	Y	N
International Agency for Research on Cancer (IARC) Listed Carcinogens	8.2.8.3	Y	N

DEA Controlled Substances	(Do not identify here. Contact EHS directly.)	Y	N
----------------------------------	---	---	---

Biological Hazards

Identify the biological materials present (or anticipated to be present) in the lab. Some items will require authorization/ additional information before purchase and use. EHS will work with each lab to identify these items and to complete the specific requirements.

Material	Present in Lab	
CDC / USDA Select Agents	Y	N
Bacterial Agents	Y	N
Fungal Agents	Y	N
Parasitic Agents	Y	N
Rickettsial Agents	Y	N
Viral Agents	Y	N
Toxins	Y	N
Bloodborne Pathogens (<i>HIV, HBV, Tuberculosis</i>)	Y	N
Human blood, tissues, fluids, or cells	Y	N
Animal blood, tissues, fluids, or cells	Y	N
Recombinant DNA	Y	N
Other Biological Hazards: If yes, please identify. (May contact EHS directly.)	Y	N

Radiation (Ionizing & Non-Ionizing) Hazards

Identify the radiation generating materials/devices present (or anticipated to be present) in the lab. Some items will require authorization/additional information before purchase and use. EHS will work with each lab to identify these items and to complete the specific requirements.

Sources / Devices	Present in Lab	
Ionizing:		
Static Eliminators	Y	N
Electron Capture Detectors	Y	N
Liquid Scintillation Counters	Y	N
Moisture / Density Gauges	Y	N
Radioactive Materials (Unsealed Sources)	Y	N
Sealed Sources / Check Sources	Y	N
Geological / Specimen Samples (uranium, thorium)	Y	N
Electron Microscope Mounting (uranyl compounds)	Y	N
Electron Microscope	Y	N
Electron Beam Devices	Y	N
X-ray Units, X-ray Diffraction	Y	N
Non-Ionizing:		
UV - Transilluminators	Y	N
Visible - Black Body	Y	N
IR (molten material, furnace emissions, etc.)	Y	N
RF (induction heating, backside metallization, etc.)	Y	N
Magnetic Sources Above 0.2 T (NMR / EPR / FRI)	Y	N
Microwave (transmitters, drying equipment, etc.)	Y	N
Other Radiation Hazards: If yes, please identify. (May contact EHS directly.)	Y	N

Laser Hazards

Identify the laser generating devices (or anticipated to be present) in the lab. Some items will require authorization/additional information before purchase and use. EHS will work with each lab to identify these items and to complete the specific requirements.

Laser / Laser Systems	Present in Lab	
Laser Class 3a, 3b, or 4	Y	N
Laser Device, (other)	Y	N