Reset Form

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

Laboratory Hazard Identification

Identify and assess laboratory hazards and potentially harmful materials with respect to university safety policy and procedures, 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 review and approval:
Department of Environment, Health & Safety
Kurata Building

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 are in accordance with the policies and procedures of the KU Laboratory Safety Manual.

Laboratory Information:

Building:		Date:	
Room:			
Department:			
Primary Contact:		Phone:	
Alternate Contact:		Phone:	
Principal Investigator:		Phone:	

Lab Hazards: ☐ Radiation ☐ Biohazards ☐ Chemicals ☐ Physical ☐ Lasers

Lab Category: ☐ Research ☐ Teaching ☐ Support

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

LAB SAFETY EQUIPMENT (Part I)

Identify present or anticipated equipment in the lab.

Emergency Equipment		Present in Lab	
Safety Shower in Lab		◯ Y ◯ N	1
or location of closest working Safety Shower?			
Eyewash (hands-free operation)	Weekly flushing required by Lab.	◯ Y ◯ N	2
Drench Hose(s)		◯ Y ◯ N	3
Chemical Spill Kit	Call EHS 864-4089 for a free kit.	◯ Y ◯ N	4
Fire Blanket		◯ Y ◯ N	5
First Aid Kit	Supplied by Lab or Department.	◯ Y ◯ N	6

Personal Protective Equipment (PPE)			
Safety Glasses, Goggles, Face Shields, Gloves, Lab Coats, etc.	Supplied by Lab.	◯ Y ◯ N	7
Full-Length Pants or Skirt, Shoes that completely cover feet.	Supplied by individual.	◯ Y ◯ N	8
Filtered or Air Purifying Respirator, Self Contained Apparatus / Suit, etc.		◯ Y ◯ N	9
	Requires specific training, fit tests, and medical monitoring.		

Required Training Records and Compliance Documents on file.	◯ Y ◯ N	10

Chemical Storage Cabinets		
Flammable / Combustible	◯ Y ◯ N	11
Acids / Corrosives	◯ Y ◯ N	12
Compressed gas, vented. (Specifically designed for storing and venting compressed gas cylinders.)	◯ Y ◯ N	13

Refrigerator(s) / Freezer(s) Chemical Storage		
Regular (Refrigerator / Freezer)	◯ Y ◯ N	14
Vapor Proof	◯ Y ◯ N	15
Explosion Proof	◯ Y ◯ N	16
Freezer ("sub zero", -80C, etc.)	◯ Y ◯ N	17
Labels, "No Food or Drink", "No Solvents", etc.	◯ Y ◯ N	18

Fire Extinguisher or Fire Supressor System	Present in Lab	
Dry Powder	◯ Y ◯ N	19
CO2	◯ Y ◯ N	20
Halon	◯ Y ◯ N	21
Metals	◯ Y ◯ N	22
Other		

LAB SAFETY EQUIPMENT (Part II)

Identify present or anticipated equipment in the lab.

Local Exhaust Ventilation	Present in Lab		
Chemical Fume Hood(s)	◯ Y	◯ N	23
Perchloric Acid Hood	◯ Y	◯ N	24
Glovebox	◯ Y	◯ N	25
Ventilated Work Station	◯ Y	◯ N	26
Balance Enclosure	◯ Y	◯ N	27
Biological Safety Cabinet	◯ Y	◯ N	28

PHYSICAL HAZARDS

Identify present or anticipated equipment in the lab.

	Present in Lab		
Cryogenic Equipment (liquid nitrogen, sub-zero freezers, etc.)	◯ Y	◯ N	29
Drying Ovens	◯ Y	◯ N	30
Heating Apparatus	◯ Y	◯ N	31
Autoclaves	◯ Y	◯ N	32
Industrial Equipment posing a physical hazard	◯ Y	◯ N	33
High Risk Electrical (>25 milliamperes exposure)	◯ Y	◯ N	34
Solvent Still	◯ Y	◯ N	35
Distillation Equipment	◯ Y	◯ N	36
Centrifuge, (high- or ultra- speed)	◯ Y	◯ N	37

Other Physical Hazards: *If yes, please identify:*

LABORATORY CHEMICAL HAZARDS (Part I)

Identify present or anticipated chemicals in the lab.
List specifics in separate chemical inventory.

	Present in Lab		
Flammable / Combustible Liquids	◯ Y	◯ N	38
Flammable Solids	◯ Y	◯ N	39
Air Reactive Solids	◯ Y	◯ N	40
Water Reactive Solids	◯ Y	◯ N	41
Oxidizers	◯ Y	◯ N	42
Organic Peroxides	◯ Y	◯ N	43
Compressed Gas:			
Flammable	◯ Y	◯ N	44
Corrosive	◯ Y	◯ N	45
Inert	◯ Y	◯ N	46
Oxidizing	◯ Y	◯ N	47
Poisonous	◯ Y	◯ N	48
Reactive	◯ Y	◯ N	49
Hydrogen	◯ Y	◯ N	50
Chlorine	◯ Y	◯ N	51
Fluorine	◯ Y	◯ N	52
Corrosive Compounds (Liquid)	◯ Y	◯ N	53
Corrosive Compounds (Solid)	◯ Y	◯ N	54
Hydrofluoric Acid	◯ Y	◯ N	55
Perchloric Acid (< 70% Concentration)	◯ Y	◯ N	56
Perchloric Acid (≥70% Concentration)	◯ Y	◯ N	57
Mutagens	◯ Y	◯ N	58
Teratogens	◯ Y	◯ N	59
Carcinogens	◯ Y	◯ N	60
Mercury, elemental (not contained in devices)	◯ Y	◯ N	61
Mercury Containing Devices (thermometers, barometers, etc.)	◯ Y	◯ N	62
Highly Toxic Chemicals: *If yes, please identify: (eg.: Sodium Azide)*	◯ Y	◯ N	63

Use MSDS Toxicology: *(LD50-oral <50mg/Kg; LD50-skin <200 mg/Kg; LC50-inh<200 ppm or <2mg/1)*

LABORATORY CHEMICAL HAZARDS (Part II)

Identify present or anticipated chemical hazards in the lab.
List specifics in separate chemical inventory.

Reference Lab Safety Manual, Part II	Appendix	Present in Lab	
Peroxide Forming Chemicals	8.2.6.2	◯ Y ◯ N	64
Potentially Explosive Compounds	8.2.7.1	◯ Y ◯ N	65
ATF / DOT Identified Explosives	8.2.7.2	◯ Y ◯ N	66
OSHA Listed Carcinogens	8.2.8.1	◯ Y ◯ N	67
OSHA Regulated Substances *(Example: Benzene)*	8.2.8.1	◯ Y ◯ N	68
National Toxicology Program (NTP) Report on Carcinogens (RoC)	8.2.8.2	◯ Y ◯ N	69
International Agency for Research on Cancer (IARC) Listed Carcinogens	8.2.8.3	◯ Y ◯ N	71

DEA CONTROLLED SUBSTANCES

◯ Y ◯ N 72

BIOLOGICAL HAZARDS

Identify present or anticipated biological materials in the lab.

	Present in Lab	
CDC / USDA Select Agents http://www.cdc.gov/od/sap/docs/salist.pdf	◯ Y ◯ N	73
Bacterial Agents	◯ Y ◯ N	74
Fungal Agents	◯ Y ◯ N	75
Parasitic Agents	◯ Y ◯ N	76
Rickettsial Agents	◯ Y ◯ N	77
Viral Agents	◯ Y ◯ N	78
Toxins	◯ Y ◯ N	79
Bloodborne Pathogens *(HIV, HBV, Tuberculosis)*	◯ Y ◯ N	80
Human blood, tissues, fluids or cells	◯ Y ◯ N	81
Animal blood, tissues, fluids or cells	◯ Y ◯ N	82
Recombinant DNA	◯ Y ◯ N	83

Other Biological Hazards: *If yes, please identify:*

IONIZING, NON-IONIZING RADIATION & LASER HAZARDS

Identify present or anticipated radiation generating materials in the lab.

Sources / Devices	Present in Lab		
Ionizing:			
Static Eliminators	◯ Y	◯ N	84
Electron Capture Detectors (ECD) Gas Chromatograph	◯ Y	◯ N	85
Liquid Scintillation Counters	◯ Y	◯ N	86
Moisture / Density Gauges	◯ Y	◯ N	87
Radioactive materials (unsealed sources)	◯ Y	◯ N	88
Sealed sources / Check Sources	◯ Y	◯ N	89
Geological / Specimen Samples (uranium, thorium)	◯ Y	◯ N	90
Electron Microscope Mounting (uranyl compounds)	◯ Y	◯ N	91
X-ray Units, X-ray Diffraction	◯ Y	◯ N	92
Electron Microscope	◯ Y	◯ N	93
Electron Beam Devices	◯ Y	◯ N	94
Non-Ionizing:			
UV -- transilluminators	◯ Y	◯ N	95
Visible -- Black Body	◯ Y	◯ N	96
IR (molten material, furnance emissions, etc.)	◯ Y	◯ N	97
Microwave (transmitters, drying equipment, etc.)	◯ Y	◯ N	98
RF (induction heating, backside metallization, etc.)	◯ Y	◯ N	99
Magnetic Sources Above 0.2T (NMR / EPR / FRI)	◯ Y	◯ N	100
Laser / Laser Systems:			
Laser (Class 3a, 3b, or 4)	◯ Y	◯ N	101
Laser Device (other)	◯ Y	◯ N	102

Other Radiation Hazards: *If yes, please identify:*

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