

# Laboratory Safety Checklist

Insp.# \_\_\_\_\_ Insp. Date: \_\_\_\_\_ Inspector: \_\_\_\_\_  
 Building: \_\_\_\_\_ Rooms Inspected: \_\_\_\_\_  
 RP: \_\_\_\_\_ Dept: \_\_\_\_\_  
 CHO: \_\_\_\_\_

Lab Contact: \_\_\_\_\_

Select Hazard/s:

- |  |  |
|--|--|
| <input type="checkbox"/> Use of aqua regia or piranha solution                 | <input type="checkbox"/> BSL-1   |
| <input type="checkbox"/> Overnight reactions                                   | <input type="checkbox"/> BSL-2 (or +) activities                                 |
| <input type="checkbox"/> Use of Schlenk lines                                  | <input type="checkbox"/> Use of oven at 450C or above                            |
| <input type="checkbox"/> Use of solvent stills                                 | <input type="checkbox"/> Open flames   |
| <input type="checkbox"/> Use of hot oil bath                                   | <input type="checkbox"/> Ship hazardous materials or dangerous goods             |
| <input type="checkbox"/> Use of aggressive glassware cleaning baths: acid/base | <input type="checkbox"/> Field work using hazardous chemicals                    |
| <input type="checkbox"/> Use of needles, syringes or blades                    | <input type="checkbox"/> Chemicals (excluding cleaning solvents) used in the BSC |
| <input type="checkbox"/> Shop hazards  | <input type="checkbox"/> Lead bricks, weights, ballasts                          |
|  | <input type="checkbox"/> Laser cutter  |

Select Shared Space/s:

- |   |  |
|---|--|
| <input type="checkbox"/> Biological safety cabinet                          | <input type="checkbox"/> Refrigerator/Freezer  |
| <input type="checkbox"/> Chemical fume hood                                 | <input type="checkbox"/> Safety equipment or supplies  |
| <input type="checkbox"/> Chemical waste combined/common waste storage areas | <input type="checkbox"/> TC room   |
| <input type="checkbox"/> Chemicals and/or chemical storage                  | <input type="checkbox"/> None of the above; the room/resources are divided up<br>so each lab uses a specific part of the space |
| <input type="checkbox"/> Instrument or lab equipment                        |  |
| <input type="checkbox"/> Lab benches  |  |

#	Yes	No	N/A	Question	Inspection Comments	Date Corrected
<b>Administrative Plans/Materials</b>						
1	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Do the lab staff have access to the current version of the UW Laboratory Safety Manual?		
2	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Has the lab-specific information been added to the Laboratory Safety Manual?		
3	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Do all lab personnel have access to written SOPs that document safety procedures?		
4	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Do all lab staff know how and when to report accidents, incidents, or near-misses in OARS?		
5	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Was a safety self-inspection performed and documented within the last 12 Months?		
6	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Are assessments of hazards conducted and documented for new work and chemical usage?		
<b>Signage</b>						
7	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Are emergency contact numbers for lab staff, including after-hours emergency contact numbers, posted within the laboratory?		
8	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Is a lab hazard caution sign posted and current?		
9	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Is a biosafety door sign posted when agents are in use and removed when not in use?		
10	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Are additional hazard warning signs (laser, magnetic fields, high voltage, etc) posted in lab near the hazard?		
11	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Is a laboratory floor plan as described in the Laboratory Safety Manual posted?		

**Hazard Communication**

12	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Has the lab's chemical inventory been reviewed and updated within the last year?		
13	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Is the lab's contact information current in MYCHEM?		
14	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Can all lab staff readily access an MSDS/SDS via MYCHEM or hardcopy in the lab?		
15	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Are all containers clearly labeled with their contents and primary hazard(s)?		
<b>Lab Training</b>						
16	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Has a safety training assessment been completed for laboratory PI, staff, students and volunteers?		
17	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Has EHS safety training been completed and documented for laboratory PI, staff, students and volunteers?		
18	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Has lab specific training been completed and documented?		
<b>Personal Protective Equipment</b>						
19	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Has a PPE hazard assessment been completed for all laboratory activities?		
20	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Have all lab personnel completed PPE training?		
21	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	If cartridge respirators are being used, have personnel been fit tested?		
22	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Are supplies of minimum PPE required for routine work available to all lab members?		
<b>Emergency Kits</b>						
23	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Does the laboratory have access to chemical/biological spill kits?		
24	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Do lab staff have access to a fully stocked first-aid kit?		
<b>Food/Beverage</b>						
25	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Is food and drink prohibited in laboratory areas?		
<b>Emergency Eyewash/Shower</b>						
26	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Are eyewashes and showers accessible within 10 seconds travel (approx. 50 ft.)?		
27	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Are eyewashes and showers free of obstructions?		
28	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Are eyewashes flushed on a weekly basis and is the flushing documented?		
<b>Ventilation</b>						
29	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Are processes that emit vapors, gasses, or fumes adequately captured by local ventilation (hoods, snorkel)?		
30	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Are fume hoods kept uncluttered and are rear ventilation slots within the hood not blocked or covered?		
<b>Hazardous Waste and Disposal</b>						
31	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Are chemical waste containers in good condition and compatible with their contents?		
32	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Are chemical waste containers closed?		
33	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Are incompatible chemical wastes segregated by hazard class?		
34	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Are all chemical waste containers labeled with a completed UW hazardous waste label?		
35	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Is lab glass placed in sturdy cardboard boxes that are labeled with the room number and Principal Investigator's name?		
<b>Chemical Storage/Process</b>						
36	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Are flammable liquids and solids stored appropriately?		
37	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Are hazardous material quantities within limits allowed by the Fire Code?		
38	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	If flammable chemicals are stored in a refrigerator, are they in a refrigerator approved for flammable (or explosive) liquids?		
39	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Are all containers intended for chemical use in good condition (not corroded or leaking)?		
40	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Are all chemical containers closed?		
41	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Are incompatible chemicals segregated when they are being stored?		
42	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Are hazardous materials storage cabinets appropriate for their contents, properly labeled and in good condition?		

43	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Are chemicals stored on the floor in DOT approved carboys, metal containers, or glass containers provided with secondary containment?		
44	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Are chemical containers being stored away from sinks?		
45	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Are corrosive chemicals stored below eye level?		
46	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Are opened peroxide forming compounds labeled with the date they were opened and an expiration date?		
47	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Is the lab free of chemicals that are old and no longer needed?		

### Compressed Gas Cylinders/Cryogen and LPG

48	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Are highly toxic gas cylinders stored in a gas cabinet, ventilated enclosure, or fume hood?		
49	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Are incompatible compressed gas cylinders in storage segregated?		
50	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Are gas cylinder valve protection caps in place for gas cylinders not in active use?		
51	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Are compressed gas cylinders secured to prevent them from falling or tipping?		

### Biological Safety

52	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	If the lab works with biohazards involving recombinant DNA, human or non-human primate material, or pathogenic agents, does it have a Biological Use Authorization?		
53	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	If conducting BSL1/ABSL1 practices or higher, is a sink available for hand washing?		
54	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Are biohazardous blades, needles, and other sharps promptly disposed of in a sharps container?		
55	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Is biohazardous waste packaged for regulated waste or autoclaved in a timely manner?		

### Pressure Vessel

56	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	If pressure vessels are in use, are they approved for their operating pressure and mitigated to prevent injury?		
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### Housekeeping

57	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Is the lab free of slip and trip hazards?		
58	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Is the lab adequately organized, orderly and clean to provide sufficient work space for operations without spills, accidents and other preventable incidents?		
59	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Is there minimal glassware stored in the sink or on the bench top?		
60	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Are lab coats regularly laundered by MediCleanse or similar Industrial laundry service?		

### Electrical Safety

61	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Are building electrical panels accessible?		
62	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Are extension cords or power strips not daisy-chained to each other?		
63	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Exposed wiring or electrical cords in poor condition are not in use?		
64	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Are ground fault circuit interrupters (GFCIs--either fixed GFCI receptacles/breakers or using adaptors) employed in wet locations?		
65	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Are extension cords used only as temporary wiring and not running under carpets, doors or through walls and ceilings?		
66	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Is equipment with motors, heaters, and other high amperage needs plugged directly into a wall receptacle?		

### Radiation Safety

67	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	If the lab works with radiological materials, does it have a Radiation Use Authorization?		
68	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Are all Class 3B and-or Class 4 lasers inventoried with EHS Radiation Safety?		

### Fire Safety/Prevention

69	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Are there 18 inches of clearance between stored items and fire sprinklers?		
70	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Do suspended ceilings have all of their ceiling tiles in place?		
71	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Are laboratory doors kept closed when unoccupied?		
72	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Are fire extinguishers available, easily accessible, and free of obstructions?		

### Exit Access/Corridors

73    Are aisles and exits within the laboratory space free of clutter and obstructions?

74    Are corridors and exits free of obstruction and hazardous materials/processed in accordance with UW Corridor Policy?

### Seismic Safety

75    Are chemical containers stored safely on shelves with lips or in a closed cabinet to prevent them from falling in an earthquake?

### Machinery

76    Are all hazardous pieces of machinery mounted or secured to prevent movement or tipping?

77    Are all points of operation, rotating components, and other moving parts of machinery properly guarded to prevent injury?

78    Is laboratory equipment with potential hazards routinely inspected and maintained or serviced as recommended?