Laboratory Safety Inspection Checklist

d. Staff is trained on emergency procedure/reporting.

PRINCIPAL INVESTIGATOR: LAB CONTACT (if diff than PI):

c. Warning sign to protect against laser

LOCATION: DATE:

	ITCA 4			
Y or N ITEM	YOUN ITEM			
1. LAB REGISTRATION	6. GENERAL HAZARDS AND CONTAINMENT			
a. Lab registration is on file with Safety	a. Walkways & doors unobstructed (36" in passageways)			
b. Listed space/personnel/hazards are current	b. Adequate lighting and switches			
2. POLICIES, PROCEDURES, MANUALS - ACCESS	c. Excess trash, boxes, & paper removed promptly			
a. All COH Policies	d. No eating, drinking, smoking or food storage in lab			
b. Chemical Hygiene Plan/OSHA Lab Guidance	e. No personal medication/applying lip balm or cosmetics			
c. Infection Control - BBP Exposure Control Plan	f. No fabric upholstered/covered furniture or chairs.			
d. Infection Control - TB Exposure Plan/ATD Standard	g. Lab door is working (self-closing, preferrred)			
e. Safety Manuals (Biological, Chemical, Radiological, etc)	h. Ceiling is intact - no holes, no missing tiles			
f. Research Regulatory Committee protocols	i. Wall is intact - no major holes/cracks			
(if applicable, IACUC, IBC, OSBC, SCRO, RSC, etc)	i. Floor is coved and intact - no major holes/cracks			
g. Lab-specific SOPs (high hazards agents/procedures)	k. Work area is organized and accessible for cleaning			
3. HAZARD COMMUNICATION	1. Non-porous casework/shelves			
a. Primary & second contacts up-to-date on lab placard	2. Benchtops imprevious to water and chemical resistant			
b. Warning/restriction labels (rad, carcinogen, biohaz)	3. No rugs/raw wood (BSL2 - no cardboard/paper)			
c. Emergency phone numbers posted in lab	I. No plants or animals not associated with work are present			
d. Emergency action plan/procedures - available & up-to-date	m. No windows open to the exterior			
e. COH Emergency Guide is posted.	n. No minors in the lab			
f. Staff have access to emergency policy/procedures.	1. No persons under 16 yrs of age (BSL2+)			
4 1155 0 04 5577 / 50 110 145 17	2. Consent form completed to work with hazardous material			
4. LIFE & SAFETY EQUIPMENT	7. PROTECTIVE CLOTHING (PPE)			
a. Fire extinguisher available (50 to 75 ft)	a. Minimum PPE			
1. Unobstructed & mounted at designated location (40" top)	1. No shorts/skirts/sandals or open toed shoes			
2. Monthly visual & annually inspected, sealed, and charged	b. PPE (eyewear, gloves, lab coat) readily available in lab			
3. Appropriate extinguisher for hazard (Class A, B, C, or D)	c. Proper body protection			
4. Fire extinguisher sign is visible/correctly placed	1. Lab coat worn as appropriate to the hazard			
5. Staff can locate nearest fire extinguisher	2. Disposable gown			
b. Fire Detection/Alarm Station in or near the lab	3. Rubber apron available (if concentrated acid/base)			
1. Unobstructed	d. Proper eye protection use			
2. Alarm system is visible (strobe light) and audible	1. Safety glasses/goggles/face shield			
3. Staff can locate nearest fire alarm station	2. Hazard specific eye protection - UV-protected glasses			
4. Staff familiar with fire prevention policy/procedure	e. Visitor glasses readily available			
c. All fire sprinklers have 18 inches of clearance	f. Proper hand protection			
d. Safety shower present (within 50 ft or 10 sec travel)	1. Powder-free latex			
1. Unobstructed	2. Nitrile gloves/Chemo resistant gloves			
2. Checked/tested within past month (record)	3. Thermal Resistant Gloves: Cryogenic/Autoclave			
e. Eyewash present (within 50 ft or 10 sec travel)	4. Other: Heavy Duty, Cut Resistant, Puncture Resistant			
1. ANSI Stnd Type: Portable, Plumbed, Other	g. Respiratory Protection available as appropriate			
2. Unobstructed	1. N95, P100, Half Face, or Full Face with fit testing up to date			
3. Checked/tested within past month (record tag)	2. PAPR			
4. Staff can locate the nearest eyewash	h. Hearing protection is available as appropriate			
f. First Aid kit available & marked	i. Other PPE (disposable hair cover, foot cover, sleeve cover)			
1. Stocked, up to date	8. REFRIGERATOR/FREEZER/ICE MACHINE			
2. Staff can locate the nearest first aid kit	a. "No Food or Drink" sign			
g. Exit signs & emergency lighting operating (if needed)	b. "No Flammables or Combustible Storage" sign			
1. Unobstructed	c. Flammables stored in approved flammables refrigerator			
2. Staff knows evacuation policy/procedure	d. "Not for Human Consumption" label on ice machine			
3. Staff knows disaster preparedness plan	e. Approp hazard sign is posted (if applicable)			
4. Staff knows location of flash light/radio	8. CENTRIFUGE/INCUBATORS/WATER BATH			
h. Hand hygiene is practiced.	a. Appropriate hazard sign is posted			
1. Sink is available with paper towels and soap.	b. Proper maintenance and decontamination procedure			
2. Hand sanitizer is available (if applicable)	c. Centrifuge safety buckets avail. for high speed & high hazard			
5. EMERGENCY RESPONSE	d. No mercury thermometers are used			
a. Spill kit available - proper size & type	9. NON-IONIZING EQUIPMENT			
b. Spill procedures established - written & available	a. "For Lab Use Only" sign on microwave			
c. Lab knows spill response procedure/reporting	b. Warning sign to protect eyes/skin against UV light			

11. VENTILATION - HOODS - BSCs	16. BIOLOGICAL HAZARDS		
a. Exhaust hood & alarm (if approp.) working	a. Designated area for work with biological hazards		
1. Current certification sticker within year	b. Benchtop work using universal precaution,		
2. Sash at or below certified sash height mark	a splash guard is available and in use.		
3. Airflow is not blocked, no excess storage	c. Signs and Symptoms awareness esp inc. risk personnel		
4. Housekeeping - properly maintained, decontaminated	d. Proficiency on microbiological practices prior to start of work		
b. BSCs airflow & alarm working	17. CHEMICAL HAZARDS		
Current certification sticker at least within year	a. Annual inventory up-to-date and complete online		
2. Sash at or below certified sash height mark	b. Personnel know where to find SDSs		
3. Airflow is not blocked and BSC is not used as storage	c. Chemicals stored by reactive class (flamm, acids, bases, etc.)		
4. Housekeeping - properly maintained, decontaminated	d. Incompatible chemicals physically separated		
5. Use of UV is limited to 30mins at the end of the day	e. Chemicals properly labeled (original or secondary label in place)		
6. No absorbable postings/cardboard on/around BSC area	1. Secondary containers w/ HMIS labels (filled in correctly)		
7. No open flame in the BSC	2. Storage areas labeled with hazard &/or HMIS placard		
If used is justified, must use a safer open flame device	3. Working chemical solutions are clearly labeled		
c. Other ventilated hoods are working & alarm	4. Lab use food products labeled		
1. Assesed by Safety for hazards and procedures	"Lab use only. Not for human consumption"		
a. Laminar clean bench (horizontal/vertical)	f. Special labels & storage (i.e. carcinogens, acute toxics, etc.)		
b. Ductless fumehood	g. Acids/corrosives/solvents stored in compatible trays		
d. Glove box	h. No excess chems on bench tops/under sinks/floor		
1. Current certification sticker (if applicable)	i. Flammable &/or corrosive cabinets available (if needed)		
3. Airflow is not blocked and is not used as storage	j. Suspected or known carcinogens/repro toxins are labeled		
4. Housekeeping - properly maintained, decontaminated	18. UNSTABLES/REACTIVES		
d. Hoods on stands are seismically anchored	a. Marked with receipt & open dates		
12. ELECTRICAL a. Proper power cord use (good housekeeping, no trip hazard)	b. Peroxide formers have required disposal date 19. TRANSPORT		
1. Extension cords- temp. use, single only (no daisy chains)	a. Secondary container is available and in use		
2. Power strips (w/surge protection)- computer equip. only	1. Non-absorbent, Leak-proof & puncture proof		
3. No cording through walls, floors or ceiling	2. Appropriate hazard label - no shipping labels		
b. Electrical cords not frayed & good insulation	3. Transport outside bldg has contact info for emergency		
c. GFCI near sinks / rubber mats on floors in wet areas	b. Pneumatic Tube (if applicable) is maintained & properly used		
d. Electrical panels and disconnects unobstructed	c. Shipping is consistent with DOT regulations (if applicable)		
e. Electrical outlets are tested, properly labeled, & covered	20. DECONTAMINATION		
13. STORAGE	a. Disinfectant is in used and hazard specific		
a. Heavy overhead storage is kept to a minimum.	1. Stock & working bottles are labeled & stored properly		
b. Tall refrigerators, double stack incubators, and other heavy	2. Preparation and use is according to manufacture		
equipment are seismically secured.	3. Concentration, contact time, frequency are known		
c. Bookcases, shelves, and/or cabinets meet COH	b. Absorbent pads are available and changed regularly		
earthquake requirements.	c. Autoclave is maintained according to mfr (if applicable)		
d. Glass bottles on the ground are placed in secondary	1. Autoclave is not used for medical waste		
containment.	2. Biological indicator including controls is used		
e. Cardboard boxes are minimized - use clear plastic bins	3. Autoclave log is current and accurate		
14. LABWARES	d. Area (floor, benchtop, equipment) is decontaminated		
a. Ergonomic labwares are used whenever possible	21. WASTE		
b. Disposable labwares are used whenever possible	a. Chemical Waste containers are appropriate & labeled		
c. Glassware use is minimized	1. Labeled with Hazardous Waste labels		
1. Plasticwares are substituted for biohazard work	2. Containers are closed (2nd container is used if applicable)		
d. Mechanical pipetting devices are available and in use	b. Biohazardous waste containers are rigid, leak resistant, have		
e. Hot plates are use in safe area, auto off available	a tight fitting lid, and labeled on the lid and all facing sides		
f. Sonicator is in safe area (sound proof enclosure preferred)	c. Vacuum lines and portable vacuum pumps are protected with		
g. Bunsen burner is in safe area with limited use	liquid disinfectant traps and HEPA filters (2ndary container)		
(If appropriate, use alternative safer device) 15. GAS CYLINDERS	d. Sharps are disposed of in an approved, rigid puncture-resistant,		
a. Properly secured (double chain or cable)	leak proof sharps container with appropriate hazard label e. Only clean glass is disposed of in the broken glass disposal		
b. Stored away from flammables/ignatable sources	f. Waste containers are less than 3/4 full, sharps containers		
c. Cylinder labeled as to contents	are not filled above manufacture's fill line.		
d. Caps on cylinders not in use	g. Containers are designed to hold hazardous waste, correct bag,		
	inspected daily		
	 		

NOTES:		