

Back	Background information										
Date	•						Inspector				
Building							Room(s)				
					School & Department						
PI					Name						
					Email and phone						
Grou	up Saf	ety O	fficer o	r	Name						
Lab	Mana	ger			Email and phone						
					PI 🗆						
Inch	ector	۸۰۰۰	mpanie	Ч	Safety Officer						
by:	ector i	ACCO	пратне	u	Lab Manager						
۵,											
					Other (specify)						
		Finding		CTI?	Finding		F	Remedial Action	Comments		
	Υ	N	N/A	Υ							
Postings					Are the biohazard symbol requirements posted on the infectious agents are in use	the door when	area with the name of the a phone numbe	rance door to biohazard biohazard symbol, the gent in use, the name and er of the responsible party, requirements, if any.			
ૐ					Is the biohazard symbol p locations and equipment infectious agents?			rd storage locations and th biohazard signs and			
Biohazard Signage					Is the biosafety cabinet la biohazard sticker?	beled with a	Affix a biohaz cabinet.	ard sticker on the biosafety			
					Is the biohazard signage f biohazardous agent Expo- posted on the door where agents are in use?	sure Control Plan	Immediately p Control Plan.	post the lab's Exposure			



	Finding			CTI?	Finding	Remedial Action	Comments
	Υ	N	N/A	Υ			
					Are biosafety cabinets certified annually?	Have the biosafety cabinet certified by an approved vendor? See vendor list at: http://adminopsnet.usc.edu/node/217	
Controls					Is the date of certification posted on the BSC?	Have the vendor complete the sticker with the date of certification and the date renewal is required.	
Engineering Controls					Is the vendor-supplied maintenance schedule posted on the BSC?	Post the maintenance schedule on the BSC. Obtain a copy from the BSC certification vendor as needed.	
Eng					Is the biosafety cabinet ventilation clear and not blocked?	Remove objects obstructing front air vent on biosafety cabinet.	
					Is material appropriately stored in the BSC?	Materials within the BSC must not block the grills or impede the airflow.	
					Does the PI control access to the laboratory?	If not, EH&S shall provide the PI with training regarding his or her responsibilities as the laboratory director.	
ntrols					Has the biological/biomedical research conducted in the laboratory been registered with the IBC?	Register all biological/biomedical research with the IBC. Contact the Biosafety Office for guidance as needed.	
Administrative Controls					Are personnel who work with biohazards listed on the IBC protocol?	Ensure that only authorized workers are performing experiments. Contact the Biosafety Office to amend the IBC protocol.	
Admir					Are individual lab workers informed about immune competence and conditions which may predispose them to infection?	Provide education regarding immunosuppression and other conditions that can make a worker more susceptible to infection. Encourage workers to contact a healthcare provider for private counseling and guidance if needed.	



	Finding			CTI?	Finding	Remedial Action	Comments
	Υ	N	N/A	Υ		0 + +150 0 + 0 + 1040 740 5000	
					Do the researchers in the laboratory know how to contact USC Pest Control?	Contact USC Pest Control 213-740-6833.	
					Have laboratory staff undergone all required laboratory safety training?	Visit the Research Safety Training web page at http://tiny.cc/usc-ehs-RST .	
					Have the laboratory staff undergone training specific to the agent in use?	Visit the Research Safety Training web page at http://tiny.cc/usc-ehs-RST .	
					Is safety training updated annually?	Visit the Research Safety Training web page at http://tiny.cc/usc-ehs-RST .	
Administrative Controls					Are staff members reminded to re- evaluate their risks due to laboratory hazards when there is a change in their health status, in the agents being used, or in the work processes?	The PI or laboratory director shall inform the laboratory staff at least annually that a change in the experimental protocol or a change in the staff member's health status may cause an increased risk to the individual. Each individual should reevaluate their risk when circumstances change.	
Admii					Is Bloodborne Pathogens annual training documented for all personnel who work with human (or non-human primate) organs, tissue, cells, cell lines, blood, or other potentially infectious material?	Visit the Research Safety Training web page at http://tiny.cc/usc-ehs-RST .	
					Are staff members trained in shipping biological materials and that training documented? (only if shipping dry ice and/or biological materials)	Visit the Research Safety Training web page at http://tiny.cc/usc-ehs-RST .	
					Is additional specialized training offered as needed?	Visit the Research Safety Training web page at http://tiny.cc/usc-ehs-RST .	

	Finding		CTI?	Finding	Remedial Action	Comments	
	Υ □	N	N/A	Y	Are those who enter the laboratory advised of the hazards and told about specific entrance and exit requirements?	People who enter the lab for the first time should be shown the biohazard posting on the door and told the entry and exit requirements.	
					Is medical surveillance (tests, immunizations, physical) offered as required for this project?	The PI shall ensure that any IBC-recommended medical surveillance (as a condition of BUA approval) is offered to each staff member.	
trols					Is there a project-specific biosafety manual or exposure control plan?	A plan or manual specific to the project shall be developed as part of the BUA registration process for each IBC-registered project.	
tive Con					Does the PI or laboratory supervisor have a procedure for having staff demonstrate proficiency before working at BSL-2?	The PI or laboratory director shall ensure that new staff members are ready to use hazardous materials in the laboratory.	
Administrative Controls					Do workers wash their hands after working with hazardous material and before leaving the laboratory?	Handwashing is required.	
Ac					Are staff members aware that eating, drinking, smoking, handling contact lenses, or applying makeup is not to be conducted in the laboratory?	Re-educate any staff members who violate this policy.	
					Is mouth pipetting prohibited?	Re-educate any staff members who violate this policy.	
					Are sharps not recapped or bent and are there procedures in place for the safe handling of sharps?	Re-educate any staff members who violate this policy.	
					Do workers perform experiments in such a way as to reduce splashes and aerosols?	Re-educate any staff members who violate this policy.	

	Finding		CTI?	Finding	Remedial Action	Comments	
	Υ	N	N/A	Υ			
					Is an appropriate disinfectant available and in adequate amounts for the use of researchers?	Make available an adequate supply of disinfectant appropriate for biohazardous agents that are present.	
					Is laboratory equipment routinely decontaminated as well as after a spill or potential contamination?	Equipment must be decontaminated at the end of the work day and after any spill or contamination.	
					Do workers decontaminate work surfaces when work is complete or at the end of the day?	Decontaminate work surfaces at the end of the work day and after any spill or contamination.	
Controls					Do workers clean and inactivate any spills or splashes, cultures, stocks and any other infectious material prior to transport and disposal?	Re-educate staff members regarding the need to keep work surfaces free of infectious materials that may affect those who use the space after them.	
Administrative Controls					In the event of an exposure incident, do staff members know to report the incident to the principal investigator or laboratory supervisor?	Injury and illness posters are available from EH&S. Re-educate staff members regarding the need to report to the supervisor and EH&S any workplace injuries, fires, spills and any incident involving recombinant or synthetic nucleic acids.	
					Do staff members realize that an incident that occurs while using recombinant or synthetic DNA may require reporting the incident to the NIH Office of Biotechnology Activities?	See this link: http://www.osp.od.nih.gov/sites/default/ files/FAQs about Incident Reporting.pdf Then, call the EH&S Biosafety Office at 323.442.2200 for guidance.	
					Are Safety Data Sheets (SDSs) available?	Obtain SDSs for hazardous materials in the work area, and make them readily available to personnel.	



	Finding		ng	CTI?	Finding	Remedial Action	Comments
	Υ	N	N/A	Υ			
					Do staff members realize that no unauthorized plants or animals may be present where research is being conducted in the laboratory?	Remove from the laboratory any plant or animal not directly involved with research.	
					If infectious materials must be transported prior to decontamination, will they be in leak-proof sealed containers and transported in concert with applicable federal, state, and local regulations?	Use closable plastic tubs or other containers labelled with biohazard sticker to safely contain infectious materials during transport.	
ntrols					Do workers know to limit the use of glass pipettes when possible?	Use plastic pipettes when possible working at BSL 2. Alternatives to glass Pasteur pipettes are available.	
Administrative Controls					Do activities that generate aerosols containing BSL 2 or above materials occur inside containment (such as a biosafety cabinet)?	Ensure that aerosol-generating processes occur inside a physical containment device such as a biosafety cabinet when working at BSL 2 and above. Re-educate personnel on safe work practices.	
Adı					Do researchers know not to use Bunsen burners inside biosafety cabinet?	Remove Bunsen burners from biosafety cabinets. In a BSC, use alternatives such as a bead sterilizer or other flameless device. Alternatives to Bunsen burners are available. Contact EH&S for examples.	
					Are vacuum lines protected with liquid disinfectant trap and in-line filter?	Install a trap and an inline filter to collect/disinfect and protect vacuum line.	
					Hepatitis B acceptance/refusal forms are available for use by those who need them?	Ensure Hepatitis B immunization acceptance/refusal forms are accessible and available. Contact EH&S for additional forms.	



	Finding		CTI?	Finding	Remedial Action	Comments	
	Υ	N	N/A	Υ		D:	
					Are workers aware of the USC PPE policy including the need to cover legs and ankles when working with hazardous materials?	Direct laboratory members to the USC PPE policy on the EH&S website. See the link: http://adminopsnet.usc.edu/department/environmental-health-safety/usc-ppe-standard	
PPE					Are risk assessments performed in choosing the PPE required for a project?	Direct laboratory members to the Laboratory Hazard Assessment Tool (LHAT) on the EH&S website. See the link: http://adminopsnet.usc.edu/sites/default/files/all_departments/EHS/LHAT%2012-2015%20form.pdf	
					Are lab coats available in appropriate sizes and types for the research being conducted?	Consult the EH&S website for further information on lab coat purchase or contact EH&S if there is an issue.	
					Is eyewear such as safety glasses and goggles available as needed?	Provide safety eye protection as required by USC policy and Cal/OSHA.	
					Are gloves provided and worn as needed?	Provide gloves as required by USC policy and Cal/OSHA.	
					Are the risks of latex gloves explained and are latex alternatives available?	Remind staff members that some people are allergic to latex and can have severe reactions when inadvertently exposed to it.	
ity					Are the doors self-closing?	If not, contact FMS to have the door repaired.	
Lab Facility					Is there a sink for hand-washing near the exit?	If not, contact EH&S for possible solutions.	
Lal					Have all carpets been removed from the laboratory?	Carpets must be immediately removed.	



	Finding		ng	CTI?	Finding	Remedial Action	Comments
	Υ	N	N/A	Υ			
					Have all cloth chairs been removed from the laboratory?	Chairs may not contain cloth or be of any material not easily disinfected.	
					Are all laboratory surfaces easy to clean?	All surfaces should be smooth and bench tops impervious to heat and chemicals.	
					Are laboratory windows outfitted with screens if the windows open?	Laboratory windows should remain closed and must be outfitted with screens if there is a possibility they could be opened.	
					Is there a disinfectant trap or Guardian canister on the vacuum line that is used with biological materials on the bench top and in BSCs?	Contact EH&S Biosafety for help setting up a disinfectant trap on the vacuum.	
Lab Facility					Is there an eyewash station within 10 seconds (55 feet) of an area where hazardous materials are used?	Contact FMS to install an eyewash station.	
Lab Fa					Does the laboratory HVAC provide negative airflow and proper ventilation rates?	If you think that air blows into the hallway, contact EH&S and we will perform an analysis of the directional airflow and provide information and advice as necessary.	
					Is there a decontamination method available for both liquid and solid materials for the laboratory to easily use?	Check with EH&S if the decontamination method is not immediately clear to you. Specific decontamination methods include autoclaving solids and/or adding bleach to liquids. Inactivated biohazard waste shall be removed by EH&S.	
					Are biological spill cleanup supplies available?	Obtain, and have readily available, chemical spill cleanup supplies appropriate for chemical hazards in the work area.	



	Finding			CTI?	Finding	Remedial Action	Comments
	Υ	N	N/A	Υ			
					Are biological waste practices satisfactory?	Correct biological waste practices, and reeducate all personnel on proper disposal procedures. Contact EH&S for guidance as needed.	
					Is disposal of animal carcasses, animal tissue, and human materials appropriate?	Re-educate personnel on proper disposal procedures. Place human and/or animal tissue in a pathological waste container.	
					Is the biological waste container properly labeled?	Place required biohazard labels on any biological waste container that is not labeled on all sides and lid.	
te					Is the biohazardous waste container red bag filled only to the fill line and not overfilled?	Immediately replace biohazardous waste container red bag. Do not fill container past the fill line. Contact EH&S to schedule pick up for disposal.	
Waste					Are sharps containers and other biohazard waste containers kept free of any items that might be stored or placed atop the container?	Do not place any item atop, or attach any item to, any waste container.	
					Are lids secured atop unattended hazardous waste container?	Securely place the lid on a hazardous waste container when unattended.	
					Is the biological waste container in use leak-proof and puncture resistant?	Correct biological waste practices, and replace the container with an appropriate biological waste container. Contact EH&S for guidance or containers as needed.	
					Free flowing liquids may not be placed in the red bag or sharps boxes. Is this the case in the laboratory?	Free flowing liquids must be decontaminated and properly disposed of, and laboratory workers must be reeducated in proper waste disposal procedures.	

	Finding		ng	CTI?	Finding	Remedial Action	Comments
	Υ	N	N/A	Υ			
					Solid waste materials such as cups, paper, and regular trash may not be placed in a pharmaceutical, chemotherapy, or biohazardous waste container. Is this the case in the laboratory?	Contact EH&S to pick up the mixed-waste container. Place solid waste only in a regular trash receptacle. Re-educate all personnel on waste disposal procedures.	
					Serological pipettes shall be placed in biohazard waste containers that are big enough to contain them. They may not stick out over the fill line. Is that the case in the laboratory?	Place serological pipettes only in a biohazardous waste container large enough to fully contain the pipette. Do not overfill the container above the fill line, or allow pipettes to puncture the red bag. Re-educate laboratory personnel in waste disposal procedures.	
Waste					Are all sharps such as syringes, glass, razor blades in a red plastic sharps waste container?	Re-educate personnel on waste disposal procedures. Sharps waste, and only sharps waste, must be disposed in a sharps waste container.	
					Sharps waste containers must be intact and not broken. Is this the case in the laboratory?	Repair or replace waste container.	
					Is the sharps waste container free of non- sharps, including paper?	Replace sharps waste container; contact EH&S for waste pick-up. Re-educate personnel on waste disposal procedures. Only sharp items may be in a sharps waste container.	
					Is sharps waste in the sharps waste container below the fill line?	Assure that waste sharps are placed fully inside sharps waste container.	
					Chemicals may not be placed in sharps waste containers. Is the sharps waste container free of chemical waste?	Replace sharps waste container; contact EH&S for waste pick-up. Re-educate personnel on waste disposal procedures.	



	Finding		CTI?	Finding	Remedial Action	Comments	
	Υ	N	N/A	Υ			
					Are glass and sharp objects placed in a sharps waste container?	Place sharps waste only in a sharps waste container. Re-educate personnel on waste disposal procedures.	
Waste					Pharmaceutical and chemotherapeutic waste must be placed in an appropriate waste container. Is this the case in the laboratory?	Place pharmaceutical waste in a pharmaceutical waste container or return to manufacturer for credit. Place Chemotherapeutic waste in a chemotherapeutic waste container. Place sharps waste, and only sharps waste, in a sharps waste container. Re-educate personnel on waste disposal procedures.	
					The pharmaceutical waste containers may not be overfilled. Is this the case in the laboratory?	Replace pharmaceutical waste container immediately. Contact EH&S to schedule pick up for disposal. Consider returning expired pharmaceuticals to manufacturer for credit. Re-educate personnel on waste disposal procedures.	