

Case Western Reserve University Department of Environmental Health & Safety

Laboratory Specific Supplement:

CWRU Exposure Control Plan for Biohazards (including Bloodborne Pathogens)

All laboratories at CWRU that handle any biohazardous materials including bloodborne pathogens and other potentially infectious materials, as defined by OSHA, must complete a supplement to the University's exposure control plan. This supplement is to be updated by the laboratory's exposure control officer on an annual basis or as there are changes to procedures, pathogens or laboratory personnel.

The exposure control plan serves as laboratory training tool as well a means to communicate laboratory hazards to non-laboratory personnel such as security, maintenance, EH&S and first responders. It is for this reason that this ECP supplement should be located in the lab and easy to find.

This supplement needs to address the following:

- PI and laboratory staff information and training
- Biohazard(s) information
- Possible exposure risk (risk analysis)
- Risk mitigation including engineering and administrative controls, along with required PPE
- Decontamination procedures

Principal Investigator:	
PI office location:	
PI office phone:	
PI emergency phone:	
PI email:	
_aboratory Exposure Control Officer (if not PI):	
Exposure Control Officer phone (office & emergency):	
Evnosura Control Officar amail:	

Note: Additional space for the next 4 charts is available at the end of this document

Laboratory Personnel: (include all personnel who have access to the laboratory)

Name	Position (and OSHA employee category if working with BBP)	Dates Training Completed (OSHA Biosafety, Lab Standard & laboratory specific training)	Email	Phone number
-				

Biohazard Locations: (list all laboratory locations where biohazards are used or stored)

Building	Room Number	BSL/ABSL containment level	Please list storage and containment equipment in each room (ex80 freezer, incubator, etc.) For biosafety cabinets, list the Class and Type (ex. Class II A2)

Biohazard Inventory: (materials of human or non-human primate origin are captured in the following question)

Type of hazard (virus, bacteria, toxin, parasite, recombinant or synthetic oligoniucleotides, etc.)	Species/ Name	Risk Group	Medical monitoring required or recommended (including HepB vaccine) (if yes, what?)	Additional concerns for immuno-compromised individuals?
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Materials of Human or Non-Human Primate Origin: (Only one line needs to be addressed for similar materials)

Material (cells, tissue, organ)	Obtained from a primary donor or vendor?	Do these materials have a product specification sheet?	If obtained from a primary donor, is your study population known or expected to be infected with a pathogen? If so, what.	Are you using known oncogenic, tumorogenic or cancerous materials?

Potential Exposure Information:

What are the potential transmission routes for any pathogens you are using?					
☐ Airborne ☐ Bloodborne ☐ Ingestion					
Mucus Membranes Deportunistic Zoonotic					
opportunistic 200110tic					
Briefly describe symptoms of exposure:					
Do you have post-exposure procedures in place? Yes 🔲 No 📙					
If Yes, does University Health Services have a copy of these procedures? Yes \square No \square					
General Regulatory Information:					
Do your experiments include the use of recombinant or synthetic oligonucleotides (including but not					
limited to RNAi in animals, viral vector, GFP, luciferase, nanoparticles, but not including , PCR primers,					
Polyl:C or cDNAs)? Yes No					
Do your experiments include the use of transgenic animals or plants (including D. melanogaster , C.					
elegans or yeast)? Yes \(\Boxed{1} \) No \(\Boxed{1} \)					
eneganis on yease).					
Are you using a select agent? Yes 🔲 Yes, exempt quantities 🔲 No 🔲					
Will you be using because the majorle singultone are with high accorded. Ver 🖂					
Will you be using hazardous chemicals simultaneous with biohazards? Yes 🔲 No 🔲					
Will you be using radioactive materials simultaneous with biohazards? Yes 🔲 No 🔲					
A 1.					
Aerosols:					
Will you be performing any aerosol producing procedures, such as:					
Centrifugation Blending Vortexing Sonicating					
☐ Pipetting ☐ Mixing ☐ Grinding ☐ Necropsy					
☐ Flow cytometry /sorting ☐ Other					
What types of engineering controls will be employed to mitigate the aerosol risks?					
☐ Biosafety cabinet ☐ Sealed rotors ☐ Tube opener ☐ Sealed vials					
☐ HEPA filter ☐ Other					

Sharps:

Do any of your procedures include Needles and syringes Pasture pipettes	the use of sharps, such a Scalpels Other	as: Glassware	Razors		
Will any of your procedures utilizing Human subjects	g sharps involve: Non-anesthetized,	living animals			
What types of engineering controls Sharps container Recapping stand Other	will be employed to ming Broken glass box Engineered (safe) s	Broom & dus			
Disinfection/Decontaminat	ion:				
Which of the following primary disi 10% Bleach Quaternary ammonia	nfectants will be employ 1-5-1 Clidox Other	yed for work space	and spill clean-up?		
Personal Protective Equipm	nent:				
Eye Protection: Saf Lab coat: Respirator: N9 Additional PPE: Tyv	rile	ds listed in this do tex fety goggles sposable rtridge oe covers r plugs	cument: Other Face shield PAPR Hair bonnet		
Biohazardous/Medical Waste:					
Waste containment: Rigid sharps container Broken glass box	Cardboard burn bo		Red bags		
Hazard neutralization: Autoclave Other	Mixed waste, EH&:	S to dispose	☐ Chemical disinfection		

Work Practices (Please attach relevant SOPs or fill out the section below):

	•		,
Please	describe any specific work pra	ctices that will be empl	oyed while utilizing the biohazards listed in
this do	cument which have not previo	usly been described in	University's ECP or this supplement:
Assurar	nces:		
	, -		this document, I understand the safety of
duty to		is ultimately my respon	sibility. Furthermore, I understand it is my
duty to	•		
•		ents have undergone El	H&S Laboratory Standard and Biosafety
	training.		
•		•	nnel. This will include a review of this
	Ensure annual laboratory and	•	ontrol Plan and Laboratory Safety Manual.
•	Provide all necessary Persona	•	•
	·	, ,	nenever there is a change in procedure,
•	pathogen or staff.	cument annually of wil	enever there is a change in procedure,
•		aboratory has been ade	equately informed of the risks associated
	with the biohazards in use ar	•	
•	Properly train each laborator	y member on each prod	cedure to be performed and all equipment.
Signed_	Date	Signed	Date

Electronic signatures are acceptable. The signature of the ECO and/or the PI also represents that all laboratory staff have reviewed and understand this document.

Principal Investigator

Exposure Control Officer

Continued from pages 2 & 3:

Laboratory Personnel: (include all personnel who have access to the laboratory)

Name	Position	Training Completed (Biohazard and Lab Standard)	Email	Phone number

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