Metical Screening         Complete the following through Employee Occupational Health and Wellness (EOHW) (919-684 Duke Clinic in the sub-basement of the Orange Zone (Room 0320):         Complete the following through Employee Occupational Health and Wellness (EOHW) (919-684 Duke Clinic in the sub-basement of the Orange Zone (Room 0320):         Complete the following through Employee Occupational Health and Wellness (EOHW) (919-684 Duke Clinic in the sub-basement of the Orange Zone (Room 0320):         Eleven Minimal likelihood that pathogens are present. See Shipping and Transporting Clinical Speciment (Inteed here).           Mathatining proper workplace signage and labeling is staff's responsibility.         Mathatining proper workplace signage and labeling is staff's responsibility.         Signs must be posted on equipment that contain biohazards and at entrance.         Area must be secured when no one is present.	e) Is I-3136),		
Potential Hazards and Consequence <ul> <li>Bloodborne pathogens (BBP), not limited to Hepatitis B, Hepatitis C, and Human Immunodeficient Virus (HIV); risk of acute or chronic illness, e.g., chronic Hep C, HIV-AIDS.</li> <li>All cell lines could be tumorigenic (may result in tumor formation at site of injection or exposure and/or could contain BBP.</li> <li>Other: A granuloma could form at the site of injection or exposure.</li> <li>Routes of exposure: percutaneous (non-intact skin, injections, punctures, lacerations) or mucous membrane (eyes, nose, mouth) contact.</li> </ul> <li>Medical Screening</li> <li>Complete the following through Employee Occupational Health and Wellness (EOHW) (919-684 Duke Clinic in the sub-basement of the Orange Zone (Room 0320):                  <ul> <li>EOHW health screening for laboratory worker and offered the Hepatitis B vaccination or declination.</li></ul></li>	e) Is I-3136),		
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• Signs must be posted on equipment that contain biohazards and at entrance.			
<ul> <li>Area must be secured when no one is present.</li> <li>For aerosol or droplet-generating procedures, use a Class II biological safety cabinet (BSC).</li> </ul>			
Work Practice       If a BSC is not available, use a combination of other controls (equipment, splash guards) and PPE.         Wash hands immediately after removing gloves and before leaving the work area.         No eating, drinking or applying cosmetics in the work area.			
Wash hands immediately after removing gloves and before leaving the work area.			
no county, annung of applying connector in the work area.			
Eliminate sharps when possible or at minimum, use safer devices.			
<ul> <li>If centrifuging, refer to Centrifugation Safety (linked here).</li> <li>Personal</li> <li>Lab coat (or gown/tyvek_etc.) and gloves required. Mucous membrane protection (e.g. safety)</li> </ul>			
<ul> <li>Personal</li> <li>Lab coat (or gown/tyvek, etc.) and gloves required. Mucous membrane protection (e.g. safety glasses/mask or face shield) must be used if there is a potential for splash or spray, or aerosol-</li> </ul>			
<b>Equipment</b> generating procedures outside the BSC, such as when opening tube and cleaning up spills.			
(PPE) • Remove PPE prior to leaving the lab area. Wash hands.			
Cleaning & DisinfectionRefer to label (dilution/contact time) on EPA-registered disinfectant effective against BBP listedDisinfectionSee EPA-registered Disinfectants (linked here).	above.		
<ul> <li>See Duke's Medical Waste Management policy (linked here)</li> <li>Liquid waste (no incompatible chemicals): Treat with at least 1:10 (bleach:liquid waste) for 30 m before being carefully poured down the drain (while wearing full face protection), followed by a copious amount of water to prevent corrosion of the drain pipes.</li> <li>Solid disposal items:         <ul> <li>If autoclaving: Place in an autoclavable bag that is loosely closed to allow for steam penetrat Place bag in a secondary autoclavable tray/open bin (to prevent or contain leaks) and autocl 90 minutes at 121 degrees Celsius, 15 p.s.i. Allow to cool. Place in leak-proof containment ar</li> </ul> </li> </ul>	a ition. lave for		
<ul> <li>transport to the building dumpster.</li> <li>If not autoclaving: Follow guidelines in policy (above) for medical waste pick-up.</li> <li>Sharps: See Sharps Management Plan – Working safely with sharps (linked here). Activate safe device (if available) and place sharps immediately in puncture resistant sharps container (needle close when container is two-thirds filled or sooner. DO NOT attempt to jam used needles into a formation.</li> </ul>	e box);		
<ul> <li>Wear full PPE, including a lab coat, disposable gloves, and full face protection.</li> <li>Cover spill with paper towel or other absorbent materials.</li> </ul>			
<ul> <li>Cover spill with paper towel or other absorbent materials.</li> <li>Decontaminate area with freshly-prepared 1:10 dilution of bleach:water (at least 0.5% sodium hypochlorite) or use an approved hospital disinfectant.</li> </ul>			
<b>Spills</b> • Pour disinfectant on spill, first around the outer edges and working in. Let sit for 20 minutes.			
<ul> <li>Pick up sharp items <u>with mechanical device</u> and place into biohazard sharps container.</li> <li>Dispose of materials in a plastic leak-proof bag or medical waste container.</li> </ul>			
<ul> <li>Repeat disinfection of area following the above steps.</li> </ul>			
Refer to the Emergency Response Guide posted in your work area for more information.			
Remove contaminated clothing.			
<ul> <li>Wash skin exposures with soap and water for 1 minute. For eye exposures, flood eyes with water eyewash station or sink. Obtain medical attention, if necessary.</li> </ul>	er from		
<ul> <li>Exposures</li> <li>Employees call the EOHW exposure hotline at 919-684-8115 or 115 from a Duke phone.</li> </ul>			
Report incident to supervisor and complete the Report a Work-Related Accident, Injury, or Illne			
form ( <u>linked here</u> ).	ess		
Complete minimum safety training (BBP, Shipping, etc.) requirements for your job.	ess		
<ul> <li>Training</li> <li>Complete the online Bloodborne Pathogens Training or BSL-2/BBP if working in a designated BSL laboratory (linked here).</li> </ul>			
<ul> <li>All personnel shall read and fully adhere to the requirements in this document.</li> </ul>			
Questions Contact OESO - Biological Safety Division at 919-684-8822 or email biosafety@duke.edu			

<sup>1</sup>An additional risk assessment is required for known or suspected prion disease tissue. Contact OESO – Biological Safety.

## FOR LAB USE AUTHORIZED PERSONNEL ONLY!



## **BIOSAFETY LEVEL**



**Principal Investigator:** 

**Biological Material(s):** 

Bldg:

Room:

Special Instructions/ Requirements Prior to Entry, Working, or Exit (*i.e. personal protective equipment (PPE) worn*): PPE prior to entry:

**PPE when working with or near biological materials:** Minimum PPE includes closed lab coat or gown and gloves

REMOVE PPE AND WASH HANDS BEFORE LEAVING THE WORK AREA.

EMERGENCY			
CONTACT/ADVICE	CONTACT	WORK PHONE	After hours PHONE
PRIMARY			
SECONDARY			
Departmental Contact (if necessary)			

Signature Page:

## Acknowledgement of Standard Operating Procedures for Handling at BSL2 Containment

"I have read and understand that I must adhere to and follow Universal Precautions as outlined in the Guideline for Handling Human Specimens. I agree to fully adhere to its requirements."

Last Name	First Name	Duke Unique ID	Signature