



## Biological Safety Level 2 (BSL-2) Inspection Checklist

PI:
IBC Application #:
Lab Contact:
Building(s):
Room(s):
Agents:
Inspected by:
Date:

### References:

[CDC/NIH Biosafety in Microbiological and Biomedical Laboratories \(BMBL\)](#)  
[NIH Guidelines for Research Involving Recombinant or Synthetic Nucleic Acid Molecules](#)  
[OSHA Bloodborne Pathogens and Hazards Communications Standards](#)  
[OSHA Bloodborne Pathogens and Needlestick Prevention](#)  
[AZ and IL Lab Safety Manuals and SOPs](#)

I. Hazard Communication	Notes			
1. A Biohazard sign is posted on the door when potentially infectious agents are in use.	<input type="checkbox"/> yes	<input type="checkbox"/> no	<input type="checkbox"/> N/A	
II. Facility				
1. Able to limit access to lab during BSL-2 work.	<input type="checkbox"/> yes	<input type="checkbox"/> no	<input type="checkbox"/> N/A	
2. The lab contains a sink for hand washing.	<input type="checkbox"/> yes	<input type="checkbox"/> no	<input type="checkbox"/> N/A	
3. Personnel wash their hands after handling biohazardous materials or animals and before exiting the laboratory. Non-antibacterial soap and paper towels are available at the sink.	<input type="checkbox"/> yes	<input type="checkbox"/> no	<input type="checkbox"/> N/A	
4. The lab is designed so that it can be easily cleaned. Lab furniture is sturdy. Spaces between benches, cabinets, and equipment are accessible for cleaning.	<input type="checkbox"/> yes	<input type="checkbox"/> no	<input type="checkbox"/> N/A	
5. Benchtops are impervious to water; chairs are covered with non-fabric material; no rugs or carpet are present.	<input type="checkbox"/> yes	<input type="checkbox"/> no	<input type="checkbox"/> N/A	

6. An eye wash is readily available (within 10seconds/50ft, unobstructed) & flushed weekly.	<input type="checkbox"/> yes	<input type="checkbox"/> no	<input type="checkbox"/> N/A		
7. Lighting is adequate for all activities.	<input type="checkbox"/> yes	<input type="checkbox"/> no	<input type="checkbox"/> N/A		
8. If a lab has windows that open, they are fitted with fly screens.	<input type="checkbox"/> yes	<input type="checkbox"/> no	<input type="checkbox"/> N/A		
<b>III. Exposure Control</b>					
1. Smoking, chewing gum, handling contacts, applying cosmetics is not allowed in lab. No food or drinks consumed or stored in the lab.	<input type="checkbox"/> yes	<input type="checkbox"/> no	<input type="checkbox"/> N/A		
2. Personnel wear clothing that covers the skin on legs (long pants or skirts) and closed-toe shoes.	<input type="checkbox"/> yes	<input type="checkbox"/> no	<input type="checkbox"/> N/A		
3. Appropriate PPE (personal protective equipment) is readily available.	<input type="checkbox"/> yes	<input type="checkbox"/> no	<input type="checkbox"/> N/A		
4. Policies for the safe handling and disposal of sharps are in place.	<input type="checkbox"/> yes	<input type="checkbox"/> no	<input type="checkbox"/> N/A		
5. Work surfaces are decontaminated with a suitable disinfectant once a day (following work) and after any spill of viable material.	<input type="checkbox"/> yes	<input type="checkbox"/> no	<input type="checkbox"/> N/A		
6. Vacuum lines are protected with liquid disinfectant traps.	<input type="checkbox"/> yes	<input type="checkbox"/> no	<input type="checkbox"/> N/A		
7. Solid biohazardous waste is packaged in appropriate biohazard bags and waste bins.	<input type="checkbox"/> yes	<input type="checkbox"/> no	<input type="checkbox"/> N/A		
8. Biohazardous lab glass and plastic is packaged to prevent punctures.	<input type="checkbox"/> yes	<input type="checkbox"/> no	<input type="checkbox"/> N/A		
9. Liquid biohazardous waste is appropriately decontaminated prior to disposal.	<input type="checkbox"/> yes	<input type="checkbox"/> no	<input type="checkbox"/> N/A		
10. Solid biohazardous waste is appropriately decontaminated prior to disposal.	<input type="checkbox"/> yes	<input type="checkbox"/> no	<input type="checkbox"/> N/A		

11. Biohazardous waste is autoclaved <u>on-site</u> by the laboratory. If so, are monitoring requirements in place? • Autoclave tape used for each load • Approved chemical integrator used with each load • Monthly biological indicator and positive control are used • Temperature of each load is recorded • Autoclave SOP is in place • Safety equipment is available (i.e., heat-resistant gloves)	<input type="checkbox"/> yes	<input type="checkbox"/> no	<input type="checkbox"/> N/A		
12. Before disposal, all contaminated liquid and solid waste is appropriately packaged.	<input type="checkbox"/> yes	<input type="checkbox"/> no	<input type="checkbox"/> N/A		
13. Waste is appropriately managed and safely stored in the lab.	<input type="checkbox"/> yes	<input type="checkbox"/> no	<input type="checkbox"/> N/A		
14. Biohazard spill procedures are in place and lab staff is trained.	<input type="checkbox"/> yes	<input type="checkbox"/> no	<input type="checkbox"/> N/A		
15. Potentially infectious material is transported in a fully enclosed and sealed leak-proof secondary container.	<input type="checkbox"/> yes	<input type="checkbox"/> no	<input type="checkbox"/> N/A		
<b>IV. Engineering Controls</b>					
1. Biosafety Cabinets (BSCs) are certified and appropriately located in laboratory.	<input type="checkbox"/> yes	<input type="checkbox"/> no	<input type="checkbox"/> N/A		
2. Staff is aware of proper use/limitations of BSC (air flow disturbance, volatile/ flammable chemical use, etc.).	<input type="checkbox"/> yes	<input type="checkbox"/> no	<input type="checkbox"/> N/A		
3. Are UV lights in biosafety cabinets used for decon? If so, discuss safety and limitations.	<input type="checkbox"/> yes	<input type="checkbox"/> no	<input type="checkbox"/> N/A		
4. Centrifuge safety cups or sealed rotors are used to centrifuge biological agents.	<input type="checkbox"/> yes	<input type="checkbox"/> no	<input type="checkbox"/> N/A		
5. Are aerosol generating activities are performed in a biological safety cabinet? (Sonicating, homogenizing, vortexing, etc.)	<input type="checkbox"/> yes	<input type="checkbox"/> no	<input type="checkbox"/> N/A		
6. If aerosol-generating procedures are performed outside of a BSC, what additional precautions are in place? (SOPs, barriers, additional PPE, decontamination, engineering controls, etc.)	<input type="checkbox"/> yes	<input type="checkbox"/> no	<input type="checkbox"/> N/A		

V. Administrative Controls				
1. Documented training records: Biosafety / BBP / Shipping Biohazardous Waste (if required). The PI provides lab-specific biosafety training about the specific hazards present in the lab.	<input type="checkbox"/> yes	<input type="checkbox"/> no	<input type="checkbox"/> N/A	<div></div>
2. Current Biosafety Manual is accessible to staff in lab (desktop icon or printed copy).	<input type="checkbox"/> yes	<input type="checkbox"/> no	<input type="checkbox"/> N/A	<div></div>
3. Process for inventory control is in place; stocks/cultures are documented and labeled.	<input type="checkbox"/> yes	<input type="checkbox"/> no	<input type="checkbox"/> N/A	<div></div>
4. PI is responsible for reviewing lab-specific SOPs with lab staff annually and documenting training.	<input type="checkbox"/> yes	<input type="checkbox"/> no	<input type="checkbox"/> N/A	<div></div>