

BSL2 Lab Safety Inspection Checklist



(References: CDC BMBL 6th Edition, NIH Guidelines April 2024, OSHA 29 CFR 1910.1030, and OSHA 29 CFR 1910.1450, and Cincinnati Health Department / Ohio EPA)

1. Laboratory Access / Egress					
1.1	Minors are not allowed in laboratory areas				
1.2	Only animals and plants associated with research projects are allowed in the lab				
1.3	Access to the lab is limited or restricted to authorized personnel				
2. Signs and Labels					
2.1	A completed BSL2 signage is posted on laboratory doors				
2.2	Secondary containers with disinfectant are properly labeled (chemical compound and concentration)				
2.3	Equipment used for processing and storing biohazardous materials is properly labeled (biohazard symbol)				
2.4	Biowaste containers, including vacuum flasks, are properly labeled (biohazard symbol)				
3. Engineering Controls					
3.1	Lab doors are kept closed when work is being conducted				
3.2	Eyewash stations are readily available and unobstructed				
3.3	Biosafety cabinets (BSC) have documented annual certification				
3.4	After completing work, materials are not stored inside the BSC				
3.5	Front and back BSC grilles are not obstructed				
4. Facilities					
4.1	Laboratory contains a sink for hand washing				
4.2	Bench tops are impervious to water and resistant to chemicals and moderate heat				
4.3	Laboratory furniture is sturdy and made by materials that allow disinfection				
5. Infectious Waste Management					
5.1	Infectious waste is placed in a durable, leak proof container and is not overfilled				
5.2	Vacuum flasks (for the BSC) and biowaste bags are properly contained when stored on the floor				
5.3	Needles, razor blades and other metal sharps are disposed of in an approved sharps container				
5.4	Non-metal sharps are disposed of in puncture resistant, leak-proof container				
5.5	Used disposable needles are not bent, sheared, broken, recapped or removed from disposable syringes				
5.6	All waste transported out of the laboratory is properly sealed and not transported in public corridors				
6. General Safety /Special Safety Practices & Compliance					
6.1	Proper PPE are worn while working with infectious or potentially infectious materials				
6.2	Countertops and research areas are clean and well maintained				
6.3	Eating, drinking and storing food for human consumption are not permitted in laboratory areas				
6.4	Lab personnel are appropriately immunized against for the agents being used or potentially present (e.g. HBV vaccinations)				
6.5	Adequate spill kit is present and location clearly marked				
6.6	Personnel wash hands after handling infectious or potentially infectious materials, after removing gloves and before leaving lab				
6.7	Equipment and work surfaces are appropriately decontaminated				
6.8	Personnel working with human derived materials have updated annual OSHA Bloodborne Pathogens (BBP) training				
6.9	An accurate inventory of agents is present in the lab				
6.10	IBC protocol is updated (personnel, location, research items)				

View [BSL2 Lab Inspection Guidelines](#) for safety guidelines, compliance details, and item resources.