



ENVIRONMENTAL HEALTH & SAFETY

UNIVERSITY of WASHINGTON

Research and Occupational Safety

Biological Safety Level 2 (BSL-2) Inspection Checklist

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|---------------|
| PI: |
| Lab Contact: |
| Room(s): |
| Inspected by: |
| Date: |
| Agents: |

References:

- [CDC/NIH Biosafety in Microbiological and Biomedical Laboratories \(BMBL\)](#)
- [NIH Guidelines for Research Involving Recombinant or Synthetic Nucleic Acid Molecules](#)
- [Washington State Bloodborne Pathogen Regulations](#)
- [UW Biosafety Manual](#)

| Hazard Communication | | | | Notes |
|---|------------------------------|-----------------------------|-----------------------------|-------|
| 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"/> NA | |
| Exposure Response Poster is in lab; lab staff is aware of proper procedures. | <input type="checkbox"/> yes | <input type="checkbox"/> no | <input type="checkbox"/> NA | |
| A lab-specific BBP Exposure Control Plan is in place if working with bloodborne pathogens? | <input type="checkbox"/> yes | <input type="checkbox"/> no | <input type="checkbox"/> NA | |
| Facility | | | | |
| Able to limit access to lab during BSL-2 work. | <input type="checkbox"/> yes | <input type="checkbox"/> no | <input type="checkbox"/> NA | |
| A hand-washing sink is available when exiting the lab. | <input type="checkbox"/> yes | <input type="checkbox"/> no | <input type="checkbox"/> NA | |
| Lab is designed to be easily cleaned (no rugs or carpet, well organized, uncluttered). | <input type="checkbox"/> yes | <input type="checkbox"/> no | <input type="checkbox"/> NA | |
| Bench tops are impervious to water; chairs are covered with non-fabric material. | <input type="checkbox"/> yes | <input type="checkbox"/> no | <input type="checkbox"/> NA | |
| An eye wash is readily available (within 10seconds/50ft, unobstructed). | <input type="checkbox"/> yes | <input type="checkbox"/> no | <input type="checkbox"/> NA | |
| Lighting is adequate for all activities. | <input type="checkbox"/> yes | <input type="checkbox"/> no | <input type="checkbox"/> NA | |
| Lab adheres to UW hallway/corridor policy . | <input type="checkbox"/> yes | <input type="checkbox"/> no | <input type="checkbox"/> NA | |
| If a lab has windows that open, they are fitted with fly screens. | <input type="checkbox"/> yes | <input type="checkbox"/> no | <input type="checkbox"/> NA | |
| Exposure Control | | | | |
| 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"/> NA | |
| Appropriate PPE (personal protective equipment) is readily available. | <input type="checkbox"/> yes | <input type="checkbox"/> no | <input type="checkbox"/> NA | |
| Laboratory personnel are offered appropriate immunizations (e.g. Hepatitis B). | <input type="checkbox"/> yes | <input type="checkbox"/> no | <input type="checkbox"/> NA | |

| | | | | |
|---|------------------------------|-----------------------------|-----------------------------|---|
| Policies for the safe handling and disposal of sharps are in place. | <input type="checkbox"/> yes | <input type="checkbox"/> no | <input type="checkbox"/> NA | |
| Decontamination procedures of laboratory surfaces and equipment are followed. | <input type="checkbox"/> yes | <input type="checkbox"/> no | <input type="checkbox"/> NA | |
| Vacuum lines are protected with liquid disinfectant traps . | <input type="checkbox"/> yes | <input type="checkbox"/> no | <input type="checkbox"/> NA | |
| Potentially infectious material is autoclaved or otherwise decontaminated prior to disposal. | <input type="checkbox"/> yes | <input type="checkbox"/> no | <input type="checkbox"/> NA | |
| Autoclaves biohazardous waste on-site prior to disposal following regulations? (site-specific SOP, biological indicator, Thermalog-S or Steriscan chemical integrator, autoclave log, and user training records) Note if Lab Services or other autoclave cost center is used. | <input type="checkbox"/> yes | <input type="checkbox"/> no | <input type="checkbox"/> NA | Autoclave Building/Room: Person responsible: Email/phone: |
| If shipping biohazardous waste : Are inner packages closed and placed in container with liner bag (triple packaging)? Are sharps containers packaged separately? | <input type="checkbox"/> yes | <input type="checkbox"/> no | <input type="checkbox"/> NA | |
| Potentially infectious material is transported in a leak-proof secondary container. | <input type="checkbox"/> yes | <input type="checkbox"/> no | <input type="checkbox"/> NA | |
| Biohazard spill procedures are in place and lab staff is trained. | <input type="checkbox"/> yes | <input type="checkbox"/> no | <input type="checkbox"/> NA | |
| Engineering Controls | | | | |
| Biosafety Cabinets (BSCs) are certified and appropriately located in laboratory. | <input type="checkbox"/> yes | <input type="checkbox"/> no | <input type="checkbox"/> NA | |
| 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"/> NA | |
| 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"/> NA | |
| Centrifuge safety cups or sealed rotors are used to centrifuge biological agents. | <input type="checkbox"/> yes | <input type="checkbox"/> no | <input type="checkbox"/> NA | |
| 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"/> NA | |
| If aerosol-generating procedures are performed outside of a BSC, what additional precautions are in place? (SOPs, barriers, additional PPE, decontamination, etc.) | <input type="checkbox"/> yes | <input type="checkbox"/> no | <input type="checkbox"/> NA | |
| Administrative Controls | | | | |
| Documented training records : Biosafety / BBP / Shipping Biohazardous Waste (if required) | <input type="checkbox"/> yes | <input type="checkbox"/> no | <input type="checkbox"/> NA | |
| Current UW Biosafety Manual is accessible to staff in lab (desktop icon or printed copy). | <input type="checkbox"/> yes | <input type="checkbox"/> no | <input type="checkbox"/> NA | |
| Process for inventory control is in place; stocks/cultures are documented and labeled. | <input type="checkbox"/> yes | <input type="checkbox"/> no | <input type="checkbox"/> NA | |
| PI and Lab Manager review BUA letters with lab staff. Copy is available for staff reference. | <input type="checkbox"/> yes | <input type="checkbox"/> no | <input type="checkbox"/> NA | |