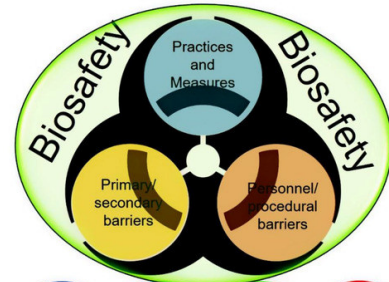


Fact Sheet BioSafety (Levels 1 and 2)

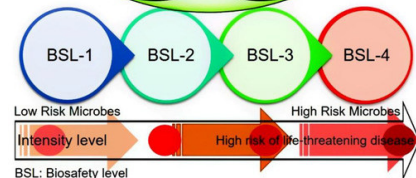
What does BioSafety Level 1 mean?

- Refers to the lowest level.
- Applies to laboratory environments in which staff work with low risk microbes that do not pose any threat of infection to healthy adults.
- **IS NOT** required to be isolated from other surrounding departments.
- Laboratories are required to decontaminate after spills, and clean infectious materials for disposal (autoclave).



What does BioSafety Level 2 mean?

- Refers to microbial practices that study Staphylococcus aureus (staph infection), HIV, equine encephalitis virus, etc.
- Have enhanced microbial practices due to potential risk of pathogens as those listed above.
- Prevent injuries in the laboratory such as cuts and skin breaches, including mucous membrane exposure and ingestion.



When can BioSafety Level 1 and 2 be used?

- BioSafety Level 1 can be used when exposed to skin bacteria, yeast, E. coli, etc.
- BioSafety Level 2 can be used when exposed to Salmonella, HIV, Herpes simplex, common cold viruses (rhinoviruses, RSV), etc.

What to do to protect yourself during BioSafety 1 and 2?

- Avoid splashes, aerosols, and handling sharps.
- Prohibit food, drink and smoking materials in laboratory settings, etc.
- Have appropriate PPE that must be worn (lab coats, gloves, eye protection/ face shield).
- Decontaminate spills and materials used (proper disposal).
- All laboratories should have self-closing and lockable doors.
- Read Biohazard warning signs.
- Use eyewash/shower stations for accidental exposure.

BSL 1

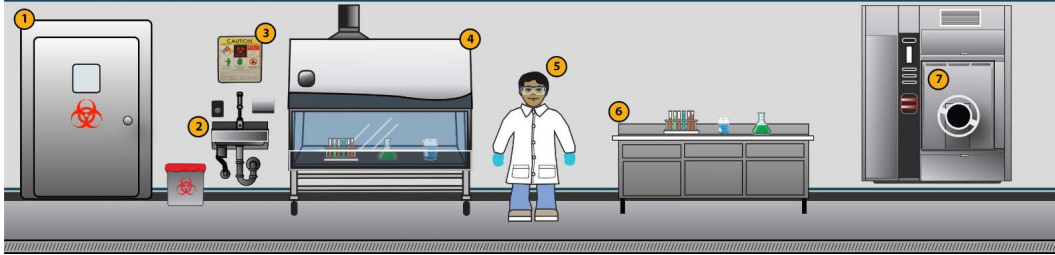
BSL 1

- 1 controlled access
- 2 hand washing sink
- 3 sharp hazards warning policy
- 4 personal protective equipment
- 5 laboratory bench
- 6 autoclave

● Required safety equipment

● Risk-based enhancements

BSL2



- BSL2**
- 1 controlled access
 - 2 hand washing sink
 - 3 sharp hazards warning policy
 - 4 physical containment device
 - 5 personal protective equipment
 - 6 laboratory bench
 - 7 autoclave

● Required safety equipment ● Risk-based enhancements

Proper Glove Removal:



BioSafety (Levels 1 and 2) Hazards		
Condition	Symptoms	Treatment
Injury	Blood, pain/burn, panic attack	Seek medical assistance.
Infection	Pain on the body, irritation, moist skin, heavy sweating	Seek medical assistance.