# BIOSAFETY LEVEL 1

**Example organisms:** E. coli K12, Saccharomyces cerevisiae, Geobacillus stearothermophilus

## HAZARDS

| Potential Hazards | - Not associated with disease in **healthy adults**.  
|                   | - May cause disease in **immunocompromised** persons.  
|                   | - **Aerosol-producing procedures** and **sharps use** introduce extra hazards. |

## HAZARD CONTROLS

### Medical Surveillance
- **Report all exposures** to laboratory supervisor and EH&S.

### Storage and Transportation
- Store in areas or equipment marked with **biohazard symbol**.
- Use **primary and secondary containment** to transport outside of laboratory.
- Check with EH&S before shipping samples.

### Engineering Controls
- **Eyewash, safety shower, and sink** required in immediate work area.

### Work Practice Controls
- **Wash hands** after working with biohazards and before leaving laboratory.
- **No eating, drinking, smoking, handling contact lenses, applying cosmetics, or storing food in the laboratory**.
- Implement **safe sharps practices**.
- **Minimize aerosolization** whenever possible.
- **Decontaminate** work surfaces and equipment with appropriate disinfectant after completion of work and after any spill.

### Personal Protective Equipment (PPE)

**Minimum PPE:**
- Fastened lab coat, safety glasses, nitrile gloves

**Remove PPE before leaving the laboratory.**

### Waste Disposal
- **Autoclave** for 30 minutes at 121 °C and 15 psi OR  
- Collect in biohazard box for **incineration** OR  
- **Chemically treat** with 20% bleach for 30 minutes

### Training
Complete EH&S-provided Biological Safety Training before commencing work with biohazards.

### Questions
Contact Environmental Health and Safety at 202-885-2007.

### Additional Guidelines
- Review laboratory-specific procedures.