



BIOSAFETY LEVEL 1

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

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| HAZARDS | Potential Hazards | <ul style="list-style-type: none"> • 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 | <ul style="list-style-type: none"> • Report all exposures to laboratory supervisor and EH&S. |
| | Storage and Transportation | <ul style="list-style-type: none"> • 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 | <ul style="list-style-type: none"> • Eyewash, safety shower, and sink required in immediate work area. |
| | Work Practice Controls | <ul style="list-style-type: none"> • 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) | <p>Minimum PPE:</p> <ul style="list-style-type: none"> • Fastened lab coat, safety glasses, nitrile gloves <p><i>Remove PPE before leaving the laboratory.</i></p> |
| | Waste Disposal | <ul style="list-style-type: none"> • 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 |
| | OTHER | Training |
| | Questions | Contact Environmental Health and Safety at 202-885-2007. |
| | Additional Guidelines | Review laboratory-specific procedures. |