



# Quick Reference: Human Source Material



## OSHA BLOODBORNE PATHOGEN STANDARD

## BLOODBORNE PATHOGENS (BBP)

### Requirements:

- **Annual BBP Training**
  - Available in WorkDay
  - Required for all employees working with or have potential exposure to human materials
- **Exposure Control Plan**
  - Review and sign annually!
  - Each lab must complete Appendix C for lab-specific procedures
  - Necessary documents are available on the EHRS website.
- **Engineering and workplace controls**
  - Reduce sharps/glass usage
  - Transport samples in leak-proof, secondary container labeled with the biohazard symbol (training required to SHIP human samples)
  - PPE, including lab coat, nitrile gloves, eye protection. Also long pants and close-toed shoes.
  - Decontamination procedures: disinfect BSCs, lab benches, tools, etc. often with appropriate disinfectant, such as 10% Bleach
  - Hepatitis B vaccination is offered to all Penn employees at no cost
- **Standard Precautions:**
  - Treat ALL human materials as potentially infectious
  - Use Biosafety Level 2 practices and procedures (see the Penn Biosafety Manual or CDC's Biosafety in Microbiological and Biomedical Laboratory (BMBL) 6<sup>th</sup> Edition for details)
- **Containment & disposal of infectious waste**
  - All research materials and PPE used with human materials must be disposed of as **INFECTIOUS WASTE** (see the Penn Biosafety Manual for details on infectious waste disposal)

**All workers with potential exposure risk to human source materials must comply with the Occupational Safety and Health Administration's Bloodborne Pathogen Standard (OSHA 29 CFR 1910.1030)**

### What is Human Source Material?

Any tissue, cell lines, blood, or other potentially infectious material (OPIM) originating from humans.

### What are Bloodborne Pathogens?

Pathogenic organisms that are present in human blood and can cause disease in humans. They can include but are not limited to: Hepatitis B virus, Hepatitis C virus, Human Immunodeficiency Virus.

### Exposure Control Plan (ECP)

Each employer having an employee(s) with occupational exposure shall establish a written ECP designed to eliminate or minimize employee exposure.

### EMERGENCY RESPONSE

- Wash exposed area with water and soap for 15 minutes.
- For eye exposure, use eye wash for 15 min
- Immediately seek medical attention
  - Occ Med, Student Health, or ER
- Report injuries and exposures to your supervisor