



Biological Waste Management



Procedures for Indiana University Bloomington

The biological waste management program at IUB is administered by the Office of Environmental Health and Safety (EHS) in accordance with state regulation 410 IAC 1-3, other applicable regulations, and University policies developed by the IUB Biosafety Office (BSO) and the Institutional Biosafety Committee (IBC). For additional information or clarification on these procedures contact EHS at iuehs@indiana.edu or the BSO at 856-5360 or at biosafe@indiana.edu.

Type of waste	Waste disposal at IU
All research microorganisms, including non-infectious microorganisms Human tissues, fluids and cell lines (Bloodborne Pathogens) Biohazards including toxins Recombinant DNA and all genetically modified materials including microorganisms and invertebrate animals Materials (other than animal cages or bedding) that have been in contact with: <ul style="list-style-type: none"> • All research microorganisms • Human tissues, fluids and cell lines (Bloodborne Pathogens) • Biohazards including toxins • Recombinant DNA or any genetically modified materials including microorganisms and invertebrate animals • Transgenic, wild caught and wild type laboratory animal tissues or fluids Transgenic plants must be rendered biologically inactive before disposal.	Solid: Waste Procedure #1 Liquid: Waste Procedure #2
Transgenic, wild caught and wild type laboratory animal carcasses and tissues, and experimentally infected vertebrate animal carcasses and tissues.	Waste procedure #3
Biologically contaminated Sharps	Waste procedure #4
Fixed tissues, in which fixing has facilitated inactivation of potentially infectious agents	Waste procedure #5

Waste Procedures

1. Place solid waste in clear autoclave bags. Seal and attach a strip of autoclave tape. After autoclaving, mark out or remove all visible biohazard labels or tags and place bag in the non-hazardous solid waste stream according to building requirements.
2. Place liquid materials into a suitably sized vessel. Add an appropriate chemical disinfectant and allow adequate contact time for deactivation. Contact the BSO for agent-specific procedures. After decontamination, dispose of treated liquids down the drain to the sanitary sewer.
3. Place carcasses and tissues that may putrefy or decay with an objectionable odor into a red biohazard bag. Double bag the materials if necessary to avoid perforations in the outer bag. Seal the bag and place in freezer. Request EHS pickup.
4. Place sharps in a puncture-proof container – either a commercially available **clear** sharps container or a sturdy cardboard box or plastic container. Seal the container or box and attach a strip of autoclave tape. After autoclaving, mark out or remove any biohazard symbols or tags and place in the building dumpster. If using a cardboard box, tape the seams before placing in dumpster. ***Do not use red sharps containers.***
5. Place preserved specimens in an appropriate container with a lid that will seal. Seal the container and attach a completed *Hazardous Chemical Waste Tag*. Request EHS pickup.

Pickups for frozen waste must be requested online at the EHS website. Go to www.ehs.indiana.edu and complete the online request form by clicking on the “Request Assistance” link and choosing “Request a waste pickup.” Frozen waste pickups will generally be done on Tuesday mornings. Sharps in red containers from Simon Hall and Chemistry should be brought to a scheduled waste collection in CH A027. Other locations must request a pickup online. Refer to the current *Waste Collection Schedule* available at the EHS website for scheduled collection dates and times.