

Biohazard Waste

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| Biohazard Waste Liquids | Description e.g., cultures of microorganisms, and viruses or infectious liquid media or broth waste | Storage & Packaging Use a leak proof container with a lid. Store in a secondary container. | Treatment and Disposal Based on your pathogen risk assessment, available options are: |
| | | Allow venting of container if there is continuing microbial growth. | <ol style="list-style-type: none"> 1. Treat with bleach (9:1) for 30 minutes and pour it down the lab sink 2. Autoclave (i.e. Steam sterilize with weekly use of biological indicators) and then pour it down the sink 3. Contact Lab Safety Officer at labsafe@uoguelph.ca [1] to be scheduled for a designated weekly or on call service for an external vendor "Biohazard" pickup (Offsite Treatment) |
| Solid Debris | e.g., paper towels, gloves, media plates & bench cover. | Store in a rigid, leak-proof lined container with a tight-fitting lid or lined cardboard box. | Based on your pathogen risk assessment, available options are: |
| | *For plastics use bench top keeper to contain waste on lab bench. | Maximum storage time in the laboratory: 7 days. | |
| Anatomical (animal) waste | anatomical waste infected or suspected to be infected with a communicable disease | Refrigerate or freeze carcass in a clear bag or orange bag as applicable. | <ol style="list-style-type: none"> 1. Off-campus incineration at an approved waste management facility. <ul style="list-style-type: none"> ◦ For disposal, waste in clear/orange bag must be |
| | | For any questions regarding disposal of bedding or storage of anatomical waste etc. – contact Lab | |

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| Biohazard Waste | Description | Storage & Packaging Safety Officer at labsafe@uoguelph.ca [1] | Treatment and Disposal sealed in a lined cardboard box or collected in single use blue drum (provided by the vendor). ◦ Contact Lab Safety Officer at labsafe@uoguelph.ca [1] to be scheduled for a designated weekly or on call service for an external vendor "Biohazard" pickup (Offsite Treatment) |
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| Sharps | e.g., needles and blades | Discard in a CSA-approved sharps collector (i.e. leak-proof, rigid, puncture resistant) that prevents sharps from falling out if the container tips over. Do not bend, break or remove needles from syringes or overfill sharps container | 2. Treat via the University's alkaline digester (currently available for Animal Health Labs only). 1. Seal when ready for disposal.(For high volume users, a reusable cart or box, to be lined with a yellow bag, may be provided by the vendor). 2. Complete Surplus Chemical and Sharps Disposal Request [2] and tag sharps container with University of Guelph's yellow hazardous chemical waste tag. 3. Sharps will be picked up by an external vendor. |
| Human Bodily Fluids and Tissues | Pathological waste | Use a leak proof, puncture resistant container or | Note: Generators need to purchase their own sharps containers An off-campus incineration at an approved waste |

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| | | cardboard box (supplied by the external vendor) double lined with sturdy biohazard bags | management facility treats this waste. Contact Lab Safety Officer at labsafe@uoguelph.ca [1] to be scheduled for a designated weekly or on call service for an external vendor "Biohazard" pickup (Offsite Treatment) |
| Outdated Vaccines & Reagents | e.g. biologicals | Non-specific | Based on your pathogen risk assessment, available options are: <ol style="list-style-type: none"> 1. Autoclave (i.e. Steam sterilize with weekly use of biological indicators) and then dispose as regular waste 2. Contact Lab Safety Officer at labsafe@uoguelph.ca [1] to be scheduled for a designated weekly or on call service for an external vendor "Biohazard" pickup (Offsite Treatment) |
| Biological Toxin | Biological toxins may or may not be inactivated by autoclaving depending on its chemical structure | Non-specific | Consult the Safety Data Sheet, available options are <ol style="list-style-type: none"> 1. Autoclave (i.e. Steam sterilize) contact the supplier regarding the inactivation of such materials. 2. Incineration at the approved off-campus waste management facility. Contact Lab Safety Officer at labsafe@uoguelph.ca [1] to be on a designated weekly/on call list for an external vendor "Biohazard" pickup (Offsite Treatment) |
| Prions | (Currently not handled nor included in the HPTA licence) | Consult the Biosafety Officer at bsa@uoguelph.ca [3] for further information | Consult the Biosafety Officer at bsa@uoguelph.ca [3] for further information regarding the treatment of |

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| | Conventional methods cannot inactivate Prions. Rather, they require special treatment using an alkaline solution | | prions |

Source

URL:<https://www.uoguelph.ca/hr/about-hr/environmental-health-safety-ehs/ehs-programs-policies-guidelines-and-forms/ehs-programs-2>

Links

[1] <mailto:labsafe@uoguelph.ca> [2] https://uoguelph.eu.qualtrics.com/jfe/form/SV_8jmkJrKTZThpuKx [3] <mailto:bso@uoguelph.ca>