

## Biohazard Waste

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

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| Biohazard Waste                 | Description              | Storage & Packaging<br>Safety Officer at<br><a href="mailto:labsafe@uoguelph.ca">labsafe@uoguelph.ca</a> [1]   | Treatment and Disposal<br>sealed in a lined cardboard box or collected in single use blue drum (provided by the vendor).<br>◦ Contact Lab Safety Officer at <a href="mailto:labsafe@uoguelph.ca">labsafe@uoguelph.ca</a> [1] to be scheduled for a designated weekly or on call service for an external vendor "Biohazard" pickup (Offsite Treatment)  |
|---------------------------------|--------------------------|--|--|
| 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.<br><br>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).<br>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).<br>2. Complete <a href="#">Surplus Chemical and Sharps Disposal Request</a> [2] and tag sharps container with University of Guelph's yellow hazardous chemical waste tag.<br>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<br>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.<br><br>Contact Lab Safety Officer at <a href="mailto:labsafe@uoguelph.ca">labsafe@uoguelph.ca</a> [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:<br><br><ol style="list-style-type: none"> <li>1. Autoclave (i.e. Steam sterilize with weekly use of biological indicators) and then dispose as regular waste</li> <li>2. Contact Lab Safety Officer at <a href="mailto:labsafe@uoguelph.ca">labsafe@uoguelph.ca</a> [1] to be scheduled for a designated weekly or on call service for an external vendor "Biohazard" pickup (Offsite Treatment)</li> </ol>                                 |
| 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<br><br><ol style="list-style-type: none"> <li>1. Autoclave (i.e. Steam sterilize) contact the supplier regarding the inactivation of such materials.</li> <li>2. Incineration at the approved off-campus waste management facility. Contact Lab Safety Officer at <a href="mailto:labsafe@uoguelph.ca">labsafe@uoguelph.ca</a> [1] to be on a designated weekly/on call list for an external vendor "Biohazard" pickup (Offsite Treatment)</li> </ol> |
| Prions                       | (Currently not handled nor included in the HPTA licence)   | Consult the Biosafety Officer at <a href="mailto:bsa@uoguelph.ca">bsa@uoguelph.ca</a> [3] for further information | Consult the Biosafety Officer at <a href="mailto:bsa@uoguelph.ca">bsa@uoguelph.ca</a> [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                 |

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### 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](https://uoguelph.eu.qualtrics.com/jfe/form/SV_8jmkJrKTZThpuKx) [3] <mailto:bso@uoguelph.ca>