

## Biohazard Waste

Biohazard Waste	Description	Storage & Packaging	Treatment and Disposal
Liquids	e.g., cultures of microorganisms, and viruses or infectious liquid media or broth waste	Use a leak proof container with a lid. Store in a secondary container.  Allow venting of container if there is continuing microbial growth.	Based on your pathogen risk assessment, available options are:  <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>
Solid Debris	e.g., paper towels, gloves, media plates & bench cover.  *For plastics use bench top keeper to contain waste on lab bench.	Store in a rigid, leak-proof lined container with a tight-fitting lid or lined cardboard box.  Maximum storage time in the laboratory: 7 days.	Based on your pathogen risk assessment, available options are:  <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>
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.  For any questions regarding disposal of bedding or storage of anatomical waste etc. – contact Lab	<ol style="list-style-type: none"> <li>1. Off-campus incineration at an approved waste management facility. <ul style="list-style-type: none"> <li>o For disposal, waste in clear/orange bag must be</li> </ul> </li> </ol>

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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	<ol style="list-style-type: none"> <li>2. Treat via the University's alkaline digester (currently available for Animal Health Labs only).</li> <li>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).</li> <li>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.</li> <li>3. Sharps will be picked up by an external vendor.</li> </ol>
Human Bodily Fluids and Tissues	Pathological waste	Use a leak proof, puncture resistant container or	<p>Note: Generators need to purchase their own sharps containers</p> <p>An off-campus incineration at an approved waste</p>

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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 <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:  <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  <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:bsa@uoguelph.ca>