

# Biohazardous Waste Disposal

Read chart left to right: Biohazardous Waste Generated → Storage/Treatment → Disposal

| Biohazardous Waste Generated                                                                                                                                                                                                                                                                                                                                   | Storage/Treatment                                                                                                                                                                                                                                                                                                                           | Disposal                                                                                                                                                                                                                                                                                                              |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  <p><b>SHARPS:</b></p> <ul style="list-style-type: none"> <li>• Needles, glass Pasteur pipettes, glass capillary tubes</li> <li>• Microscope slides</li> <li>• Razors, scalpels, blades</li> </ul>                                                                             |  <ul style="list-style-type: none"> <li>• OSHA-compliant <b>RED</b> Sharps Container</li> <li>• <b>EH&amp;S Biosafety</b> provides free sharps containers</li> </ul>                                                                                       |  <ul style="list-style-type: none"> <li>• Close container</li> <li>• Write PI name &amp; lab location (building, room)</li> <li>• In EH&amp;S collection bin</li> </ul>                                                              |
|  <p><b>SOLID WASTE:</b></p> <ul style="list-style-type: none"> <li>• Pipette tips &amp; serological pipettes</li> <li>• Culture flasks &amp; plates</li> <li>• Contaminated bedding</li> <li>• Unfixed specimens</li> <li>• Unrecognizable tissue</li> <li>• Gloves</li> </ul> |  <ul style="list-style-type: none"> <li>• <b>Double red biohazard bags*</b> in closed, rigid, leak-proof container.</li> <li>• Biohazard symbols on all sides and top of bin.</li> <li>• <b>Do not fill up bag more than 45 lbs. or 20 kgs.</b></li> </ul> |  <ul style="list-style-type: none"> <li>• Close bags with zip-tie or tape</li> <li>• Write PI name &amp; lab location (building, room)</li> <li>• In EH&amp;S collection bin</li> </ul>                                              |
|  <p><b>LIQUID WASTE:</b></p> <ul style="list-style-type: none"> <li>• Cell culture media</li> <li>• Bacterial, viral, or fungal cultures</li> <li>• Liquids/supernatants with recombinant/synthetic DNA</li> <li>• Blood, blood products, and body fluids</li> </ul>           |  <p>Decontamination:</p> <ul style="list-style-type: none"> <li>• 1 part bleach to 9 parts waste; 30 minutes contact time</li> <li>• <b>NOTE:</b> Other chemical disinfectants according to approved BUA protocol</li> </ul>                               |  <ul style="list-style-type: none"> <li>• Dispose bleached liquid waste into lab sink with copious running water</li> <li>• <b>NOTE:</b> Other chemical disinfectants, label and request pickup via <a href="#">WASTE</a></li> </ul> |
|  <p><b>BIOHAZARDOUS CONTAMINATED GLASS:</b></p> <p>Glassware in contact with biohazards</p> <ul style="list-style-type: none"> <li>• Microscope slides</li> <li>• Flasks</li> <li>• Pasteur pipettes</li> </ul>                                                                |  <ul style="list-style-type: none"> <li>• OSHA-compliant <b>RED</b> Sharps Container</li> <li>• Use brush &amp; dustpan for broken glass</li> <li>• Decontaminate brush &amp; dustpan in 1:10 bleach bath for 30 minutes</li> </ul>                        |  <ul style="list-style-type: none"> <li>• Close container</li> <li>• Write PI name &amp; lab location (building, room)</li> <li>• In EH&amp;S collection bin</li> </ul>                                                              |
|  <p><b>NON-CONTAMINATED GLASS:</b> Glassware that has not been in contact at any time with a hazardous material</p>                                                                                                                                                            |  <ul style="list-style-type: none"> <li>• Glass disposal boxes/bins</li> <li>• <b>Use smaller bins/boxes for easy handling &amp; disposal</b></li> </ul>                                                                                                   |  <ul style="list-style-type: none"> <li>• Securely close box/bin</li> <li>• In regular trash dumpster</li> </ul>                                                                                                                     |
|  <p><b>ANIMAL CARCASSES:</b></p> <p>Inoculated with recombinant DNA or infected with pathogens</p>                                                                                                                                                                           |  <ul style="list-style-type: none"> <li>• <b>Double red biohazard bags*</b> in closed, rigid, leak-proof biohazard bin</li> <li>• <b>OR</b> bags placed directly in vivarium freezer</li> </ul>                                                          |  <ul style="list-style-type: none"> <li>• In designated vivarium freezer for biohazardous carcasses</li> <li>• Regularly picked up by approved contract vendor</li> </ul>                                                          |
|  <p><b>INFECTED OR TRANSGENIC PLANT MATERIALS AND SOIL</b></p>                                                                                                                                                                                                               |  <ul style="list-style-type: none"> <li>• <b>CLEAR</b> biohazard bag</li> <li>• If required, autoclave according to permit conditions</li> </ul>                                                                                                         |  <ul style="list-style-type: none"> <li>• Close bags with zip-tie or tape</li> <li>• Write PI name &amp; lab location (building, room)</li> <li>• In EH&amp;S collection bin</li> </ul>                                            |
| <p><b>NON-INFECTED OR NON-TRANSGENIC PLANT MATERIALS AND SOIL</b></p>                                                                                                                                                                                                                                                                                          |  <ul style="list-style-type: none"> <li>• <b>CLEAR</b>, non-printed bag</li> </ul>                                                                                                                                                                       |  <ul style="list-style-type: none"> <li>• In regular trash dumpster</li> </ul>                                                                                                                                                     |



**NEVER** temporarily store filled biohazard waste bags outside of a properly **labeled, closed, rigid container**, for **ANY** amount of time.

If the biohazard waste collection bins are full, contact EH&S at [ehswaste@ucr.edu](mailto:ehswaste@ucr.edu).

\*Per California law, biohazard bags must be labeled as dual-tested to **ASTM D1709 & D1922** standards.

Chemically or radioactively contaminated biohazardous waste must be [WASTE](#) tagged as chemical or radioactive waste.