




LABORATORY WASTE DISPOSAL SEGREGATION AND DISPOSAL PRACTICES

Waste Disposal Route/Container	Typical Contents	Description
 <p>Sharps Bins</p>	<ul style="list-style-type: none"> ✓ Needles (+ syringes if syringes + needle combination used) ✓ Glass slides & coverslips ✓ Scalpels/knives ✓ Glass Pasteur pipettes ✓ Cocktail sticks ✓ Pipettes & pipette tips contaminated with hazardous chemicals ✓ Small glass vials and ampoules 	<ul style="list-style-type: none"> ✓ Never re-sheath needles or detach from syringe before disposal ✓ All Hazard Group 3 organisms must be inactivated before disposal ✓ Sharp material that is suspected of being infected should be rendered safe by autoclaving before incineration by contractors. If not, infected sharp material must be classed as 'infectious lab. Waste' ('LI' waste, EWC Code 180103). ✓ Bins to be taken to Biology Stores for disposal in the waste collection bins ✓ 'LX' waste bins (for uncontaminated sharps, EWCCode 180104) ✓ 'LI' waste bins (for infectious sharps, EWC Code 180103)
 <p>Red Bins</p>	<ul style="list-style-type: none"> ✓ Uncontaminated Broken Glass 	<ul style="list-style-type: none"> ✓ Bins emptied in large glass recycling bins located in Biology Stores compound area ✓ Broken glass contaminated with hazardous biological material must be autoclaved before disposal ✓ Broken glass contaminated with hazardous chemicals must be disposed of in a sharps bin
 <p>Sink (Sewer)</p>	<ul style="list-style-type: none"> ✓ Biological agents: ✓ Inactivated wild-type biological agents (Hazard Groups 1 & 2 and above) ✓ Inactivated GMM organisms (Class 1 or 2 organisms and above) ✓ Chemicals: solutions from experiments containing residual. ✓ low levels of organic or water-soluble chemicals 	<ul style="list-style-type: none"> ✓ Organisms MUST be inactivated by validated autoclave or disinfectant protocol before disposal down the sink ✓ All liquid cultures of Hazard Group 3 organisms must be autoclaved (as opposed to disinfectant treatment only) before disposal down the sink ✓ Residual/low levels of organic or water-soluble chemicals must be flushed down with plenty of Water ✓ However, there are certain chemicals which MUST NEVER be disposed of through the sewerage system**