

Waste Stream	Description	Collection/Treatment Procedures	Disposal Procedure
Non-hazardous waste	Consumable packaging and other materials that have not been contaminated with chemical, biological or radioactive material.	Collect in a general waste bin lined with a black plastic bag.	The general waste bins are provided and emptied by the University Cleaners. → Landfill
Biologically contaminated waste	Liquid tissue culture waste	<ul style="list-style-type: none"> Decontaminate liquid culture media waste with high level hospital disinfectant eg Cavicide. Mix 1:1 and leave overnight. 	Once decontaminated, dispose of liquid waste down the sink with copious amounts of water. → Sewer
	Solid waste contaminated with tissue culture, GMOs or associated low hazard chemical residues. This includes used tissue culture flasks, plastic pipettes, gloves, and paper towel etc. <i>Note: For tissue culture contaminated with cytotoxic chemicals refer to cytotoxic waste</i>	<ul style="list-style-type: none"> Collect in the provided containers (bin or wire basket) lined with an autoclave bag. Once full, seal the bag and transport to Micro prep room (L204) for autoclaving. Notes <ul style="list-style-type: none"> Only staff/students trained by Gautham are to operate the autoclave.¹ Secondary containment (eg. a locked clinical waste bin) is required for all transport of biologically contaminated waste on campus. 	Once autoclaved, Gautham to place in YELLOW Clinical Waste bin for collection by Stericorp. Offsite Treatment → Landfill
	Sharps including hypodermic needles, scalpel blades, pasture pipettes, slides etc.	<ul style="list-style-type: none"> Collect in an approved YELLOW Sharps container or Qlicksmart scalpel blade removal system. Once full, seal the container and leave in the Micro prep room (L204) for disposal. 	Gautham to place in YELLOW Clinical Waste bin (at top of bin) for collection by Stericorp. → High Temperature Incineration
	Pipette tips contaminated with biological material or chemical residue.	<ul style="list-style-type: none"> Collect in sealed rigid container. Once full, seal the container and leave in the Micro prep room (L204) for disposal. 	Gautham to place in YELLOW Clinical Waste bin for collection by Stericorp. Offsite Treatment → Landfill High Temperature Incineration

¹ Refer to the University's Decontamination Guidelines for additional information on autoclave sterilisation cycles and monitoring procedures.
www.usyd.edu.au/ohs/biosafety/deconguidelines.shtml#2.1.2

Waste Stream	Description	Collection/Treatment Procedures	Disposal Procedure
Chemically Contaminated Waste	Organic Solvents eg, alcohol, hexane, xylene	<ul style="list-style-type: none"> Collect in a labelled hazardous container indicating the type of solvent/s.^{2 3} Ensure that incompatible solvents are collected in separate containers.⁴ Transfer to the Physiology Prep Room (L212) for storage prior to collection. Lab Manager (Louise Hayes) to submit a <i>Request for the Disposal of Hazardous Waste</i> to the OHS & Injury Management Unit (Fax 15868). 	Transfer to the Physiology Prep Room (L212), where they are stored until collection (organised through Matthew Mitchell, OHS & Injury Management Unit). → Offsite treatment → Reuse as fuel
	Acid waste	<ul style="list-style-type: none"> Collect in a labelled hazardous waste container indicating the type of acid and approximate concentration. Ensure that incompatible waste is collected in separate containers. Transfer to the Physiology Prep Room (L212) for storage prior to collection. Louise Hayes to submit a <i>Request for the Disposal of Hazardous Waste</i> to the OHS & Injury Management Unit (Fax 15868). 	Transfer to the Physiology Prep Room (L212), where they are stored until collection (organised through Matthew Mitchell, OHS & Injury Management Unit). → Offsite Neutralisation → Sewer
	Empty Solvent Bottles	<ul style="list-style-type: none"> Remove lid and dispose of as general waste. Evaporate the bottle dry in the fume cupboard. Remove or deface the label (eg. strike through with permanent pen). 	Place in general waste bins or glass disposal bin in L212, K219 or H207 → Landfill
	Empty 200L & 20L metal drums eg alcohol & methylated spirits	<ul style="list-style-type: none"> Remove bungs, and allow to evaporate dry. All drums must have two holes to ensure drainage or they will not be accepted for recycling by SimsMetal. Leave drums outside, near L006 <p>Notes Dianne Borg (Anatomy) to book university ute with Andy Galloway (Phone 19235) & organise drum transport.</p>	Transport to SimsMetal → recycled <u>SimsMetal</u> Scrap Metal Processing Centre 125 Canterbury Rd, Bankstown Phone 9709 6388

² Ensure that all waste is labelled. Any unknown waste is charged a higher disposal fee.

³ Waste containers &/or labels provided by technical staff on request.

⁴ Refer to the University's Guidelines for additional information on chemical incompatibility http://www.usyd.edu.au/ohs/ohs_manual/haz-subst/incompat.shtml

Waste Stream	Description	Collection/Treatment Procedures	Disposal Procedure
Chemically Contaminated Waste	Low hazard liquid chemical waste	<ul style="list-style-type: none"> Collect in a labelled hazardous waste container indicating the type of low hazard liquid waste. Louise Hayes to submit a <i>Request for the Disposal of Hazardous Waste</i> to the OHS & Injury Management Unit (Fax 15868). <p>Notes Ensure that all waste is labelled. Any unknown waste is charged a higher disposal fee.</p>	Transfer to the Physiology Prep Room (L212), where they are stored until collection (organised through Matthew Mitchell, OHS & Injury Management Unit). → Offsite Treatment → Sewer
	Empty Containers of Solid Chemicals	If non-hazardous, remove lid, rinse, deface label and dispose of as general waste. If hazardous (refer to MSDS), seal the container. <ul style="list-style-type: none"> Transfer to the Physiology Prep Room (L212) for storage prior to collection. Louise Hayes to submit a <i>Request for the Disposal of Hazardous Waste</i> to the OHS & Injury Management Unit (Fax 15868). Description: Empty Chemical Packaging 	The general waste bins are provided and emptied by the University Cleaners. → Landfill If hazardous: Transfer to the Physiology Prep Room (L212), where they are stored until collection (organised through Matthew Mitchell, OHS & Injury Management Unit). → Controlled Landfill
	Batteries	<ul style="list-style-type: none"> Transfer to the Physiology Prep Room (L212) for storage prior to collection. Louise Hayes to submit a <i>Request for the Disposal of Hazardous Waste</i> to the OHS & Injury Management Unit (Fax 15868). 	Transfer to the Physiology Prep Room (L212), where they are stored until collection (organised through Matthew Mitchell, OHS & Injury Management Unit). → Offsite treatment → Landfill
Clinical Waste	Microbiological Plates & Blood Products	<ul style="list-style-type: none"> Leave in the Micro prep room (L204) for disposal. 	Gautham to put in YELLOW Clinical Waste bin for collection by Stericorp → Offsite treatment → Landfill

	Animal Carcasses	<ul style="list-style-type: none"> Place in prep room freezer L211 or chest freezer in L209. Gautham to organise disposal with cytotoxic waste. <p>Notes <u>DO NOT</u> put in YELLOW Clinical Waste bin</p>	<p>Gautham to put in PURPLE Cytotoxic Waste bin for collection by Stericorp.</p> <p>→ Incineration</p>
Cytotoxic Waste	Sharps used in association with cytotoxic drugs (eg. cisplatin)	<ul style="list-style-type: none"> Collect in an approved PURPLE Cytotoxic Sharps container. Once full seal container and transfer to the Micro Lab (L204) for storage prior to collection. 	<p>Gautham to put in PURPLE waste bin for collection by Stericorp.</p> <p>→ High Temperature Incineration</p>
	Solid Waste contaminated with cytotoxic drugs or Ethidium Bromide, including contaminated agarose and acrylamide gels and consumables	<ul style="list-style-type: none"> Collect in the PURPLE cytotoxic bucket Once full seal bucket and transfer to the Micro Lab (L204) for storage prior to collection. 	<p>Gautham to put in PURPLE waste bin for collection by Stericorp.</p> <p>→ High Temperature Incineration</p>
	Cytotoxic Tissue Culture Waste (solid)	<ul style="list-style-type: none"> <u>ALL tissue culture waste</u> that is cytotoxic should be collected in an autoclave bag. Transfer to the Micro Lab (L204) for autoclaving prior to collection. Please ensure that the waste is clearly labelled. 	<p>Gautham to put in PURPLE waste bin for collection by Stericorp.</p> <p>→ High Temperature Incineration</p>
	Liquid Ethidium Bromide Waste – buffers contaminated with Ethidium Bromide.	<ul style="list-style-type: none"> Use activated charcoal teabag to deactivate Leave overnight. Dispose of down sink. <p>Notes See Dr Diana Oakes for more information</p>	<p>Once deactivated, dispose of liquid waste down the sink with copious amounts of water.</p> <p>→ Sewer</p>