

UNIVERSITY OF COLORADO, at DENVER & HEALTH SCIENCES CENTER

**BIOMEDICAL WASTE STREAM SEGREGATION
FITZSIMONS CAMPUS**

If your biomedical wastes contains any **radioactive** materials or hazardous **chemicals**, these materials may not be addressed here.
Refer to the Radiation Safety Waste Manual and/or the Hazardous Waste Generators Manual
for instructions on disposal of those wastes or contact Health & Safety for assistance (303-724-0345)

Stericycle Inc is our biomedical waste contractor. The tubs they provide are for the transport of biomedical wastes and are a shared resource in labs at the Fitzsimons campus. Tub must be lined with a red bag. The red bag must be taped or **tied shut** when full. The lid must be placed on the tub when full. Tub should weigh about 35 to 40 pounds when full. They are picked up by EHS staff when full. Call **303-724-0111** in the event tubs are not picked up in a timely manner. Empty tubs and red bags are delivered to laboratories by EHS staff. **Full tubs will be labeled with a barcode label by EHS Staff.** Questions regarding biomedical waste and tubs should be directed to **303-724-0111**.

Description of Waste Material	Treatment & Disposal	Segregation Protocol
Human tissues, organs, pathological wastes and all wastes from Creutzfeld-Jakob disease cases or other prion wastes	Must be incinerated	Use Yellow Stericycle tubs and Yellow barcode labels
Non-human primate tissues, organs, pathological wastes, and bodily fluids	Must be incinerated	Use Yellow Stericycle tubs and Yellow barcode labels
All animal carcasses, tissues, etc--	Returned to the appropriate CCM freezer or refrigerator. Disposal in the tissue digester, following CCM instructions.	Place ONLY THE CARCASSES in either a clear zip lock bag or trash bag and place the bags in the refrigerators in the exit corridor or in the freezer chests outside Quarantine as appropriate for your lab SOP. No absorbent pads, no gauze, no gloves, no trash of any kind should be placed inside the bags.

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Description of Waste Material	Treatment & Disposal	Segregation Protocol
Contaminated animal bedding from animals administered infectious agents, hazardous drugs or chemicals, cytotoxic/chemotherapy agents.	Must be incinerated	Collect for prescribed time period for the agent. Use Yellow Stericycle tubs and Yellow barcode labels
Cell culture wastes, plates, flasks and items used to manipulate cultures that contain hazardous drugs or chemicals or cytotoxic / chemotherapy agents.	Must be incinerated	Sharps must be placed in sharps containers designated and labeled for cytotoxic agents. Use Yellow Stericycle tubs and Yellow barcode labels
Cell culture wastes, plates, flasks and items used to manipulate cultures that are not otherwise contaminated with chemicals or RAM	Off-site autoclave disposal by Stericycle.	Use Red Stericycle tubs and White barcode labels
Cultures and stock vials of infectious agents; tissue culture/cell lines derived from human cells; issue culture/cell lines immortalized with infectious agents (CMV, EBV, etc)	Off-site autoclave disposal by Stericycle.	Use Red Stericycle tubs and White barcode labels

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Description of Waste Material	Treatment & Disposal	Segregation Protocol
Sharps Wastes: needles, scalpels, razor blades, lancets, Pasteur pipettes , and microscope slides if unfixed tissues	Off-site autoclave disposal by Stericycle.	Sharps must be placed in sharps containers, which are disposed of in Red Stericycle tubs and White barcode labels
Human blood, bodily fluids, other potentially infectious fluids	<p>Sanitary sewer disposal may be appropriate in some cases. Consult with Biosafety Office for sanitary sewer disposal protocol.</p> <p>OR</p> <p>Autoclave disposal by Stericycle</p>	<p>LIQUID WASTES must be segregated, collected in a leak proof container, and solidified.</p> <p>There can be no standing liquids in the waste tubs.</p> <p>Treat with Isolyzer or ISOSORB or equivalent product to solidify, then dispose of in Red Stericycle tubs and White barcode labels.</p>

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MUNICIPAL SOLID WASTES THAT SHOULD NOT BE PLACED IN BIOMEDICAL WASTE STREAM

Description	Treatment & Disposal	Segregation Protocol
Uncontaminated laboratory wastes	None required	Municipal Solid Waste (regular trash)
Uncontaminated animal bedding & cages— no infectious agents, hazardous drugs or chemicals		Return to the CCM for disposal
Uncontaminated lab plasticware, disposable transfer pipettes gloves, plastic pipette tips, plastic trays,, plastic or glass serological pipettes paper towels, cardboard boxes, etc.	None required	Municipal Solid Waste (regular trash). Uncontaminated lab plasticware which could puncture a plastic bag but which is not infectious , should be collected in a sturdy, sealed cardboard box and picked up by housekeeping for disposal in the trash compactor
Uncontaminated broken glassware	Picked up by housekeeping for disposal in the trash compactor	Collect in a rigid, sealed cardboard box