

Waste Management Protocol

Developed to help identify proper disposal of laboratory materials.

Sharps

A labeled CMBB lab Sharps container is located on the waste table in the middle of the autoclave room 428. Please place all:

- Needles
- Razors
- Scalpel blades
- Disposable scalpels

Broken glass

If glass gets broken in the lab, first seek medical attention for any inflicted wounds.

If broken glass contains biohazardous waste:

Place in orange bagged, large steel biohazard bin located on top of each lab workbench. Refer to biohazard waste section.

If broken glass does NOT contain biohazardous waste:

Collect all broken glass with a hand brush and dustpan located onto of a yellow broken glass container in the center of the CMBB lab across from Dr. Liepman's workbench.

Place all broken glass into any yellow Broken Glass containers lining the rows of workbenches. **DO NOT PLACE BROKEN GLASS INTO NORMAL WASTE BINS!!!**

Also place hard plastics and non-biohazard plastic and glass pipettes into any yellow broken glass containers. This reduces worry for the janitorial staff when looking into waste buckets!

Biohazard waste

All plates used for bio-growth must be disposed into the biohazard waste bags Located 1) across from Dr. Kass' workbench, 2) at the end of Dr. Clemans' workbench, 3) in the cell tissue culture room (only for tissue culture waste).

- **ONLY PLACE ORGANISMAL GROWTH PLATES DIRECTLY INTO BIOHAZARD BAGS!!!**

All tips and tubes used to handle **biohazard waste** should be deposited into the small **orange bagged**, steel biohazard collection containers located on the tabletop of each lab bench.

Place all biohazardous Pasteur pipettes, biohazardous sterological pipettes and broken glass with biohazardous contents into the large **orange bagged**, steel containers on each research bench.

Please consult with your Principal Investigator to determine what in your lab should be deemed as biohazardous!!

Once full, place biohazard containers (small or large) onto the biohazard collection cart. These contents will be autoclaved and disposed. Take an empty orange bagged, steel container back to your workbench for further biohazard waste collection.

All other contents used in experimental procedure that does not involve contact with biohazard materials should be disposed of in clear bagged, steel tabletop container.

Once full, non-biohazard bags can be tied and placed into the garbage baskets. More clear liner bags used for non-biohazard waste collection can be found in the autoclave room 428.

If the clear bag has ripped, and contents have been leaked, place steel container on waste cart for cleaning.

FOR CMBB Support Staff:

All biohazard waste must be autoclaved. Pull out full orange bags from steel containers located on the biohazard waste collection cart and place into an orange autoclave bag. Make sure that contents do not exceed more than half of autoclave bag volume. Run the **LARGE LIQUID CYCLE** protocol for full sterilization. Once complete place autoclave bag into box lined with a black trash bag. Clean out any contents in steel containers and wash them then reline with biohazard bag. Place empty collection containers onto biohazard cart.

Liquid Culture/Biohazard Waste

Biohazardous liquid waste of small volumes (<10ml) can be treated with a small volume of bleach. After 1 hr, Contents can then be poured down the drain. Solid containers can then be washed and sterilized.

Biohazardous liquid that is collected into non-autoclavable containers can be dumped into a biohazardous liquid collection flask located on each workbench. Those containers will then be considered solid biohazardous waste and should be disposed of in the small orange bagged, steel containers. Once the biohazardous liquid waste is filled to the black designation line, place the flask on the liquid biohazardous waste collection table in the autoclave room 428 for sterilization and washing. It is up to each lab to add a stopper or a small amount of bleach to reduce

smell. Individual containers containing biohazardous liquid waste can also be placed on the biohazardous liquid waste collection table for sterilizing and washing. **Place liquid biohazard waste flasks on the collection table in the autoclave room 428 DAILY!**

FOR CMBB Support Staff:

Place the liquid biohazard waste flasks into a steel bin and autoclave on the **LARGE LIQUID CYCLE** After sterilization, pour contents in flask down the drain with running water and wash the flask for future use.

Liquid Chemical Waste

All liquid chemical waste should be collected on the LIQUID CHEMICAL WASTE COLLECTION TABLE located on the south side of the lab next to the fume hoods.

If liquid chemical waste is in its original container, just place the sealed container on the waste collection table (no yellow tag is required).

If liquid chemical waste is in an unlabeled container, please tag **ALL** waste contents using a yellow chemical waste tag located on the chemical waste collection table.

DO NOT MIX CHEMICAL WASTES INTO LARGER CONTAINERS!!!

Place all tips and tubes used in handling chemicals into the marked sealable container (milk jug) located on the liquid chemical waste collection table. Make sure container is sealed before leaving work area.

If waste collection area is getting full, contact lab technician to schedule a disposal pickup.

Gel Disposal

Place all agarose and polyacrylamide gels into gel disposal box located next to the GelDoc imager. Box should be lined with a clear bag. Once full, box should be sealed and "agarose gel containering gelred and polyacrylamide gels" should be written on outside of box. Sealed boxes should be placed in the chemical waste collection area for pickup.

Chemical Spills

ACID, SOLVENT AND CAUSTIC chemical spill kits are located next to the safety shower on the north side of the lab near the student work area. An instruction manual is located on top of the spill kits.