DECONTAMINATION OF LIQUID BIOHAZARDOUS WASTE
SOP-Bio-004

This SOP applies to the disposal of any liquid biohazardous waste like, but not limited to, culture media or any effluent that has been in contact with, cells, viable organisms or their parts.

Decontamination Procedures

1. All liquid biological waste should be collected in bottles or plastic containers that contain 100 ml of household bleach for each liter of liquid waste. The bottles should be labeled as hazardous waste and stored in the Satellite Accumulation Area (SAA).

2. Small volumes generated from sample preparation can be inactivated by adding bleach at a final concentration of 10% and collected in labeled liquid-waste containers.

3. For laboratories or facilities that continuously generate large volumes of liquid-waste, the EEM-EHS Department recommends the following:
   1) Request Non-hazardous Waste determination by filling out the specific form for this purpose (attached). EEM-EHS will make the determination based on the contents of the liquid;
   2) Decontaminate collected liquid with fresh bleach at final concentration of 10% (100 ml of house bleach for each liter of liquid waste);
   3) Store the containers of decontaminated liquid waste in the SAA until EEM-EHS makes the final determination;
   4) If no hazardous chemicals are found, the liquid can be poured down the sink with abundant water;
   5) If hazardous chemicals are found, EEM-EHS will pick-up the bottles containing the hazard liquids;
   6) Call EEM-EHS, 2543, for pickup of full containers.

   EEM-EHS recommends filling out the form as soon as the contents of the waste are known to avoid accumulation of containers in the SAA.

For additional information on biological waste disposal and any Biosafety issues contact the Biosafety Officer ruth_medina@uml.edu or call EEM-EHS at 978-934-2618.