

SOP BIO-004 FOR DECONTAMINATION AND DISPOSAL OF LIQUID BIOHAZARD WASTE

SCOPE

This SOP applies to the disposal of any liquid or culture media that has been in contact with cells, viable organisms, or any other of their parts.

DECONTAMINATION PROCEDURES AND DISPOSAL

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 then 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:
 - a) Decontaminate collected liquid with fresh bleach at final concentration of 10% (100 ml of house bleach for each liter of liquid waste);
 - b) Fill out a Non-Hazardous Waste Determination Form (EEM-EHS website)¹. An EEM-EHS/ Biosafety Officer will determine if the liquid is non-hazardous. Store the containers of decontaminated liquid waste in the SAA until EEM-EHS makes the final determination;
 - c) If **no hazardous** chemicals are found, the liquid can be poured down the sink with abundant water;
 - d) If hazardous chemicals are found, containers should be kept in the SAA. EEM-EHS will pick-up the bottles containing the hazardous liquid waste;
 - e) Bottles with liquid waste should be no more than $\frac{3}{4}$ full.
 - f) Call EEM-EHS at 4-2618 for pickup of full containers or request new bottles.

To get the Non-Hazardous Waste Determination Form, go to the EEM-EHS web site¹. If you have any questions related to this SOP or any biosafety issue, contact EEM-EHS at biosafety@uml.edu or Ext. 4-2618.

¹ <https://www.uml.edu/eem/>