Science Hill/Central/West Campus Biomedical Waste

**Definitions:**

**BL1 waste** - is contaminated with Biosafety Level 1 biological material not known to cause diseases in healthy humans, animals or plants or wastes from RDNA experiments.

**BL2 waste (low risk)** – is contaminated with lower risk Biosafety Level 2 materials such as human and non-human primate blood, body fluids, cells, cell lines and tissue cultures.

**BL2 waste (moderate risk)** – is contaminated with higher risk Biosafety Level 2 materials such as BL2 human, animal, or plant pathogens, BL2 non-exempt recombinant DNA, biological toxins and BL2 agents requiring registration with the Connecticut State Department of Public Health.

**BL3 waste** – is contaminated with Biosafety Level 3 materials such as BL3 human, animal, or plant pathogens, BL3 non-exempt recombinant DNA, select agents, certain biological toxins and BL3 agents requiring registration with the Connecticut State Department of Public Health, Center for Disease Control and Prevention, or U.S. Department of Agriculture.

**Pathological waste**

**Blood and other liquid wastes**

**Sharps**
(Syringes with or without needles, razor blades, scalpel blades)

- Needle box
- Must either bleach treat or autoclave

- Red bucket

- Green bucket

**Solid wastes that could puncture a bag (semi-sharps)**
(such as pipets, pipet tips and broken plastic items..)

- Red bucket

- Green bucket

- Red bucket or regular autoclave bag

**Solid wastes that will not puncture a bag**
(such as gloves, labware)

**Pathological Waste**

- Bags that can be pulled from outer container or red bucket

- Green bucket or regular autoclave bag

**Blood and other liquid wastes**
(such as body fluids, liquid cultures, cell lines, tissue cultures, liquid waste from RDNA experiments)

- Bleach treat liquids (add 10% by volume with 30 min contact time)

Note: Use alternative disinfectant (do not add bleach) if nitrogen containing reagents are present (can create toxic gas as byproduct)

**Normal trash**

Note: Waste (buckets, needle boxes, and bags) must be overpacked into this box. A biomedical waste label must be applied to the bag (inside the box) as well as the outside of the box.

**Note:** it is essential that large pieces of metal and empty chemical bottles not be placed in the medical waste stream. Please recycle these items if available.

**Key:**
- Pathological waste
- BL1 waste
- BL2 waste (low risk – LR)
- BL2 waste (moderate risk - MR)/BL3 waste
- Blood