Medical School Biomedical Waste

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

- Needle box
- Red container
- Yale provided bag-box unit
- Metal Cart

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

- Red container
- Yale provided bag-box unit
- Metal Cart

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

- Red container
- Yale provided bag-box unit
- Metal Cart

**Pathological Waste**

- Objects that could puncture bag must be placed in bag-box unit
- Bags that can be pulled from outer container or Yale provided bag-box unit
- Stericycle box

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

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

**Definitions:**

**BL1 waste/BL2 (low risk)** - is contaminated with Biosafety Level 1 biological material not known to cause diseases in healthy humans, animals or plants or 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.

**Key:**

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

*Note: it is essential that large pieces of metal and empty chemical bottles not be placed in the medical waste stream. These items could damage our biomedical waste processing equipment and/or injure our employees.*

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

*Inactivated BL3 waste must be labeled as “pathological waste” or “incinerate only” (on Stericycle box).*

*Inactivated BL1, BL2, and BL3 liquid cultures*