

Hands-On Autoclave Use & Biohazardous Waste Disposal Training Checklist

Preparation:

- Print out: (Available here: <http://www.yorku.ca/dohs/prog-biosafety.html>)
 - [Autoclave Use & Biohazardous Waste Training Slides](#)
 - [Training Record Sheets](#)
- Get Biomedical supplies from Science Stores:
 - Stericycle Box
 - Two yellow bag liners
 - Twist Ties
 - 2" Strapping Tape (ULINE H-380)
 - Anatomical Sticker (if needed)
 - For class training only: 5x Scissors
 - For class training only: 5x Sharps
 - For class training only: White Sticker Labels
- Autoclave Materials Needed:
 - Secondary container
 - Chemical Integrators
 - Autoclave tape
 - Extender

PART A – Autoclave Use

- ❖ Autoclaving (training slides available on Biosafety website)

- ❖ Preparing Items for autoclaving
 - Primary containers: do not fill more than 2/3 (Slide 35)
 - Waste bags: do not knot or seal bag - just fold over
 - Secondary Containers: must be autoclave safe or will melt
 - Use autoclave tape and chemical integrators (Slide 38-40)
 - Using CI Extender
 - Proper chemical integrator placement in bag (Slide 38-40)

- ❖ Loading the Autoclave (Slide 42-43)
 - Sign into log book
 - Use PPE
 - Specific autoclave issues (ie how to use cart and loading rack in Lumbers, etc)

- ❖ Choosing the Cycle Settings (Slide 43-45)
 - What cycle # to use for biohazardous waste (note: must have sterilize cycle of at least 60 minutes for gravity or appropriate adjusted time for pre-vac)
 - When in doubt use solid/gravity at 60 mins
 - Liquid loads MUST use liquid cycle!

- ❖ Unloading the Autoclave (Slide 46-47)
 - Use PPE
 - Specific autoclave issues (ie proper door opening in Farquharson, etc)
 - Analyze chemical integrator (if failed, redo sterilization) (Slide 38)
 - Sign out of log book and note chemical integrator results

- ❖ Autoclave Waste Disposal (Slide 48-49)
 - Unmark any biohazard signs and words on the bag
 - Do not overfill red waste bins

PART B – Biomedical Waste Packaging and Biohazardous Administration

- ❖ How to record keep (Sheets available on Biosafety website)
 - Each lab member must have a record sheet
 - Keep record sheets in Safety Binder
 - Can create an Autoclave & Biohazardous Waste Disposal Section in Safety Binder As reference
- ❖ Supplies you may require:
 - packing material (pails and box/bag),
 - sharps containers,
 - Tape and appropriate stickers
- ❖ Will your biohazardous waste be shipped out or not? (Slide 8)
 - Define Microbiological Waste (Slide 14)
- ❖ Storage in the lab or walk-in fridge or Vivaria walk-in fridge
 - Biohazardous waste bin always has to have biohazard signage (Slide 15)
 - Discuss what goes in that fridge (sharps, pails, pharmaceuticals, **anything non-anatomical**)
 - Anatomical: Put on the “A” sticker if available
 - Biomedical waste box can be stored in fridge BUT must be labeled
 - Do not overfill boxes
 - When full, contact Brad Sheeller for supplies and pick-up - 647 999 9806
- ❖ Proper Box Assembly and Labeling (Slide 9)
 - Point out weight limit on box
 - Double line box with the yellow bags and use the twist ties to seal once full
 - If Anatomical waste place “A” sticker (if available)
 - Tape bottom and top of box at least 2” down the sides
 - Date
 - Lab PI
 - Lab Phone contact number (labs might be called in case of emergencies)