Hands-On Autoclave Use & Biohazardous Waste Disposal Training Checklist

Preparation:

- Print out: (Available here: [http://www.yorku.ca/dohs/prog-biosafety.html](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)