



Waste Management of TB Reference Laboratory: Job Aid

Waste Disposal Process for TB Reference Laboratory



- After sample processing, performing of Culture & DST, LPA, Gene Xpert etc., put the infected waste into the waste bag* containing disinfectant solution**.

- Fill 70% of bags to avoid the spill and seal them properly.

- Treat the waste bag for at least 30 minutes with disinfectant. This process will be completed within the Biosafety Cabinet.

- Separate and label the waste bags as Infected & General waste and stored them in covered waste bins*** before Autoclaving.

- The waste bag should be color-coded based on the respective laboratory practice policies.

1. General waste should be Incinerated or disposed with the General Waste System of the Laboratory or Hospital.

2. Autoclave infected waste bag (filled with culture tubes, tips, cough pot, cartridges etc.) at 121°C, approximately 15 psi for 30 minutes. Use Autoclave Tape as the indicator.

- Do not load phenol & alcohol containing materials into Autoclave.

- After Autoclave, dispose of the waste as General waste.

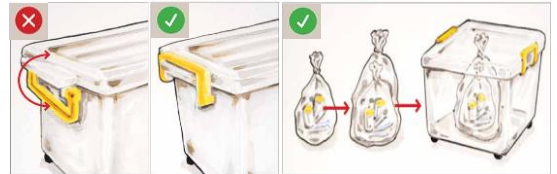
- Keep a record of Waste Management.

Reference: Laboratory Safety, Global Edition 2019, GLI

Colored Waste Bags*



- Red Plastic Biohazard Bags
- Yellow Garbage Bags
- Blue Recycling Bags



Infectious waste which has not been autoclaved or decontaminated must be double bagged and sealed then placed within a sealable and lockable container for removal from the laboratory. An Autoclave bag marked with a biohazard logo is suitable.

Disinfectant Solutions**

1. 5% Phenol
2. 0.1% Chlorine
3. 70% Alcohol
4. 2% Peracetic Acid

Note: Do not load phenol & alcohol containing materials into Autoclave

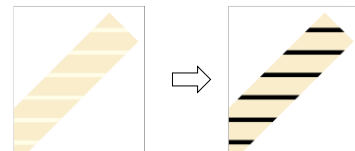
Colored Waste Bins***



- Green Bin: For General Wastes
- Red Bin: For Infected Plastic-made Wastes
- Yellow Bin: For Infected Wastes
- Blue Bin: For Glassware Wastes

Autoclave

- Suitable to Autoclaving-
- Instruments, Glassware, Media or Solutions
 - Mycobacterial cultures
 - All infectious materials



“Autoclave Tape” will be changed strip color from white to black after autoclaving