

Appendix 9: Waste Management Process from High Containment Hospital Suite to Autoclave

PURPOSE

To establish a process for the proper sterilization and safe disposal of biohazard waste

IN PATIENT ROOM:

- Waste should be collected in red biohazard waste bag. The bag should not be more than HALF FULL.
- When ready to remove from room, add 200 mL-300 mL of water inside the bag.
- Goose neck and tape loosely to secure bag.
- Wipe the bag down completely with bleach wipes. (**DO NOT SPRAY!**) Place the bag into another red biohazard waste bag.
- Goose neck and tape loosely to secure bag.
- Wipe the second bag with bleach wipes. (**DO NOT SPRAY!**)
- Take the bag into the anteroom.

IN THE ANTEROOM:

- Place the bag into an autoclave bag and apply blue rubber band (do not tighten the band).
- Wipe down the bag completely with bleach wipes.
- Place the bag in roller drum located outside of the main door.
- Roller drum should be transported to the staging room or the autoclave room as appropriate.
- A new empty roller drum will be available for waste placement.

AUTOCLAVING:

- Place bags on the rack for loading bags into the autoclave.
- Once bags are loaded, pull the rack.
- Place 3M ATTEST test pack into autoclave. The label side should be faced up.
- The chemical indicator on the top of the label should be yellow in color.
- Autoclave on the GRAVITY setting (1 hour).



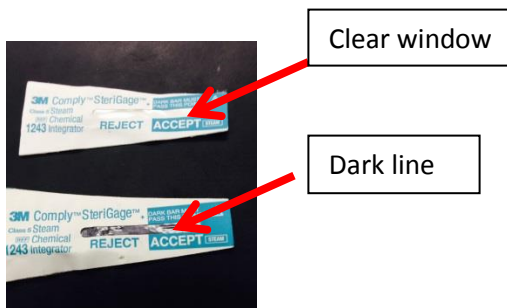
POST AUTOCLAVE:

- Once autoclave cycle is complete and has cooled, gently and slowly open the door wearing heat-resistant gloves, in addition to disposable PPE requirement-biohazard coverall, booties and face shield.
- Insert the rack into the autoclave and gently pull out.
- Remove the autoclaved bags and place into the clean drum with lid and store in staging room.

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VALIDATION OF AUTOCLAVE CYCLE:

- Once the 3M pack is cooled, place the pack on a flat surface.
- The chemical indicator circle on top of pack should be brown in color (turned brown from yellow).
- Gently open the pack. You will find a chemical integrator (a small arrow shaped paper pack).
- An unused chemical integrator pack will have a clear window.



- The chemical integrator line (dark bar) should have moved to “accept” window. **If it is still in the “reject” window, the entire pack should be discarded and the load has to be re-autoclaved.**
- The biological indicator has a brown cap and a spring on the vial. On the vial, a rose line will be seen.
- The rose line should be brown in color (if autoclave cycle worked right).
- Remove the spring.
- Using a pen/marker, write the autoclaved date on the vial.
- Press the brown cap and close the vial.
- Place the biological indicator vial into the crush well; move the tube right to left or left to right.
- Now you have crushed the vial.
- Remove the crushed vial and place in the well-marked as #1.
- Place the test control vial in the well-marked #12
- Close the lid and press start. Timer should show 3 hours.
- The #1 well should have yellow light lit up showing that incubation is in progress.
- After 3 hours, and when cycle is complete, the test control vial indicator should show + sign (positive) and red color is lit up.
- The #1 well should show –sign (negative) and green light will be lit up.

NOTE:

- **The batch number on the test vial and the biological indicator should be the same.**
- **RED** means the test bacteria were not killed.
- **Green** means everything was killed; the material inside the autoclave bags has been sterilized and is safe for packing before disposal.
- **The used vials can now be disposed.**

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TRANSPORT:

- Autoclaved bags will be packed in provided cardboard boxes and secured with tape.
- Boxes will be loaded into an approved vehicle at a designated loading dock.
- Signed manifest with details will be handed over to the responsible party.
- A copy of signed manifest by both parties will be filed at the hospital and the contractor.

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