

# Autoclave Instructions

## Turning on Autoclave

1. Press **Green** button on right front of machine.
  - a. If lamp is already green, go to Selecting a Cycle Section.
2. Machine will be cold while off, wait 15-20 minutes for machine to heat up in order for programs to run.

## Selecting a Cycle

Depends on what is being autoclaved:

- Solid/liquid cycles

### 1. Press **Select Cycle**:

Name	Protocol	Use
P01 Liq Agar Melt	2 min/ 121 degrees C	Personal Instructor Use
P02 liq small load	20 min/121 degrees C	≤ 500 ml liquid
P03liquid large load	30 min/ 121 degrees C	> 500 ml liquid+agar/liquid waste
P16 Annesthick#3	25 min/ 121 degrees C	>30g of Agar in liquid, excellent exhaust calibration

P04 tips/tubes	6min/135 degrees C w/ 15 min dry	High temp tolerable solid materials.
P05 grv Standard Dry	20min/121 degrees C w/ 15 min dry	Longer decontamination of solid materials
P06 Decon Trash	12min/135 degrees C w/ 30 sec dry	Decontaminate bagged waste

- a. Press down arrow until desired run cycle is highlighted, press **Enter** button. (**Ok** button does not change cycle)

## Preparing to Autoclave

1. MAKE SURE WHAT YOU ARE PLACING INTO AUTOCLAVE CAN ACTUALLY GO INTO AUTOCLAVE!!!!
2. Only use stainless steel tubs as containers for materials. All materials to be autoclaved need to be in a tub with bag and contents in side the edges of the tub, No trash bags laid on autoclave racks!!!!
3. If autoclaving bottles with a cap, Vent lids by loosening before autoclaving. (Autoclave vacuum

will pressurize bottles that are completely sealed resulting in a cap that may never come off)

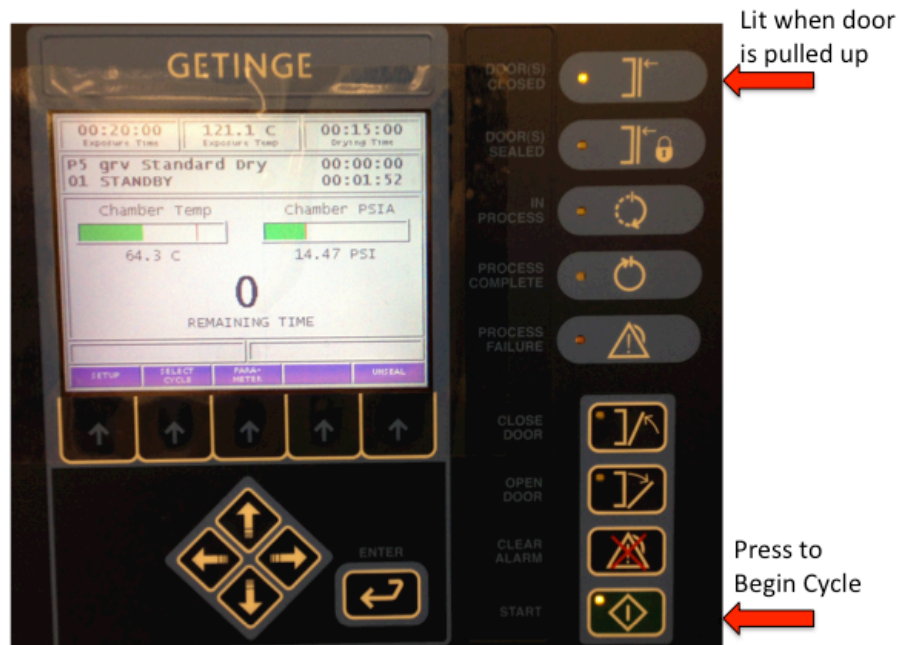
4. If autoclaving trash:
  - a. ONLY use left autoclave labeled **Thing 1**.
  - b. Leave 1" opening when placing tape around opening of autoclave trash bags! (Venting must be made possible for correct autoclaving)
  - c. Place autoclaved trash into secondary bag and dispose of in the autoclave trash container located outside of the autoclave room. (Janitorial staff will dispose of bags)
5. Space items evenly into stainless steel tubs allowing for room between items.
6. Avoid stacking and crowding of materials.
7. Items autoclaved for sterilization must be autoclaved separately than those for decontamination. (DO NOT AUTOCLAVE TRASH WITH OTHER MATERIALS)
8. Do not allow materials to touch autoclave sides or ceiling.
9. Maximum of 2 L of liquid media.

## Placing Materials in Autoclave

1. Pull down autoclave door (remember inside of machine will be **HOT**).
2. Using autoclave gloves (located in top right drawer of preparation area) place stainless steel tub containing properly spaced materials into center of autoclave rack.
3. Pull up autoclave door to top.

## Starting Program

1. Display screen should resemble picture below:



2. **Start** button should be blinking, and **Door Closed** indicator lit. Push **Start** Button.



Door Sealing and Heating Gasket will begin.

4. Cycle will start and indicator line will turn blue and say **PURGE**. Remaining time in cycle will calculate.



## Unloading Autoclave

1. When cycle is complete tone will sound (0 time remaining, door sealed indicator **not** lit), door should be unsealed. Simply pull down door. **KEEP FACE AND ARMS AWAY FROM AUTOCLAVE OPENING**, hot steam may be released when door is opened.
2. Using autoclave gloves, pull out stainless steel tub with autoclaved contents (they will still be **VERY** hot).
3. Close autoclave door for further use. Machine should stay on throughout the day with door closed.
4. Rinse off stainless steel tub with cool water to reduce heat and place tub back on preparation room shelf.
5. Check empty autoclave for spills or debris from your cycle. If accident has occurred, contact Larkin to determine the best way to clean it up.
6. ENJOY YOUR NEWLY AUTOCLAVED MATERIALS!!!
7. If you are the last person to use the autoclave on Friday, power down the autoclaves for the weekend by pressing the **Green Boiler** button located on the right hand edge of the machine.

# Aborting

1. If at any time you need to abort a cycle, press the **More** button, then the **Abort Button**.



2. Due to increased pressures and temperatures, depending on where you are in your cycle, it could take a while for the abort mechanism to reduce pressure and temp to acceptable levels for unsealing.
3. When time remaining has switched to 0, clear the Abort alarm by pressing the **Clear Alarm** button.
4. Document Aborted/Problem cycles on the Sterilizer Problem Log located on the right side of each machine.