

Protocol for Autoclave in Room 3.7521
March 2022

Autoclaves are shared across department; sign up on sheet in autoclave room. If someone has signed up after you, call them when finished.

Steam must be able to escape all containers. Do not close lids or caps tightly. If using bottles with caps, place foil over caps for protection. If bottles/containers have no caps, cover openings with foil.

Large autoclave:

- LB flasks for large-scale recombinant expression:
 - Pull door lever to the right to unlock and open
 - Line up union slide so its hooks lock over the notches inside autoclave door, wear heat-resistant gloves while pulling autoclave rack out onto slide
 - Load autoclave, roll rack back in and use black knob on union slide to disengage hooks. Pull autoclave door lever to the left to lock
 - For LB, “cycle select” > “liquid20” > “cycle start”
 - Liquid20 runs ~1 hr
 - After removing items, close and lock autoclave door

Small autoclave:

Ensure drain is closed, then fill pan to level indicated on autoclave from hoses in sink. Open drain and leave autoclave door open when finished.

- small liquids (eg when making plates or sterilizing water for TC):
 - flip switch to slow (liquids), 25-30min (more for large volume)
- small solid objects (eg spatulas)
 - flip switch to fast (solids) 20-25min