

## Autoclave:

Room 3.7521

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 tightly. If using bottles with caps, place foil over caps for protection.

### **Large autoclave:**

- LB flasks for large-scale recombinant expression:
  - Turn handle counter-clockwise to unlock and open. \*when opening at end of cycle, unseal door and let steam escape before opening fully
  - Load autoclave and turn handle clockwise to close and lock. After mechanism clicks and “this door locked” light comes on, continue to turn until you can’t turn no more
  - Press cycle select until “Liquid Cycle 3”
  - Press cycle start. Light may not come on; wait for pressure and temperature to begin rising. \*If first autoclave use of the day, may take a while to start. Liquid Cycle 3 runs ~50min.
  - After removing items, close door and turn handle just enough that door stays closed; don’t lock fully

### **Small autoclave:**

Close drain and fill pan to level indicated on autoclave. Use distilled water from copper tap with hose (above sink next to autoclaves). Open drain and leave door open when autoclaving is finished.

- small liquids (eg few 250ml bottles LB or 1 large bottle LB+agar for plates):
  - flip exhaust switch to slow (liquids) (depressurizes more slowly to prevent liquids from boiling over), ~30 min
- small solid objects (eg toothpicks, spatulas)
  - flip switch to fast (solids), ~15min
  - after timer ends, wait until pressure falls to zero to open—may take 10–15 minutes for liquids