

## Thermal Cycler SOP

We have a Bio-Rad T100 thermal cycler. For detailed instructions consult the manual (<https://www.bio-rad.com/webroot/web/pdf/lsr/literature/10020523.pdf>).

### Steps:

- 1) Turn on thermal cycler. Back right side.
- 2) Program you cycling method based on your assay.
- 3) Insert your tubes. If using dome caps use the dome cap insert and if using flat caps use the flat cap insert (says on insert which side to use for dome vs flat).
- 4) Push start.
- 5) When done remove tubes and turn off thermal cycler.

Note: that the heating block and lid can be hot and can burn you if you touch them.

### Personal Protective Equipment:

The PPE used should be based on the type of sample you are working with. But in general a lab coat and gloves.