

Using the IQ BIO RAD real-time PCR machine

1. First turn on the bottom portion of the PCR machine, wait until it does a self test.
2. Turn on the camera (top portion of machine)
3. Go to computer, click start, then select iQ 5 icon

For editing or creating different sections, make sure you are on “WORKSHOP”

***There are four buttons that say **Protocol, Plate, Run set, Data file.**

1. Click on the **Protocol** button, a green box will outline the **Selected Protocol** section. Once you see this, you can search the files under the four buttons for protocol of your choice.
2. If you want to modify or create a new protocol, click **edit** or **create** under **Selected Protocol.**
3. Next click on **Plate Run**, a green box will outline **Selected Plate Set-up**, once you see this search the files under the four buttons for the plate-set up you want
4. If you want to modify or create a new plate set- up, clicking click **edit** or **create** under **Selected Plate Set-up**
5. Once you have your protocol and plate set-up, click on **RUN**, a new screen will appear, click **BEGIN RUN**
6. You will be prompted to save your file, do it
7. Gray boxes will appear, click yes for all of them, now walk away

Notes:

If you are running two different standards:

1. Click edit under **Selected Plate Set-up**, find the button that says **Dilution Series.**
2. There is a section “Define Standards” and “Replicates from:” change those numbers.

Ex: Your first set of standards will be 1-8, your next set will be 9-16.