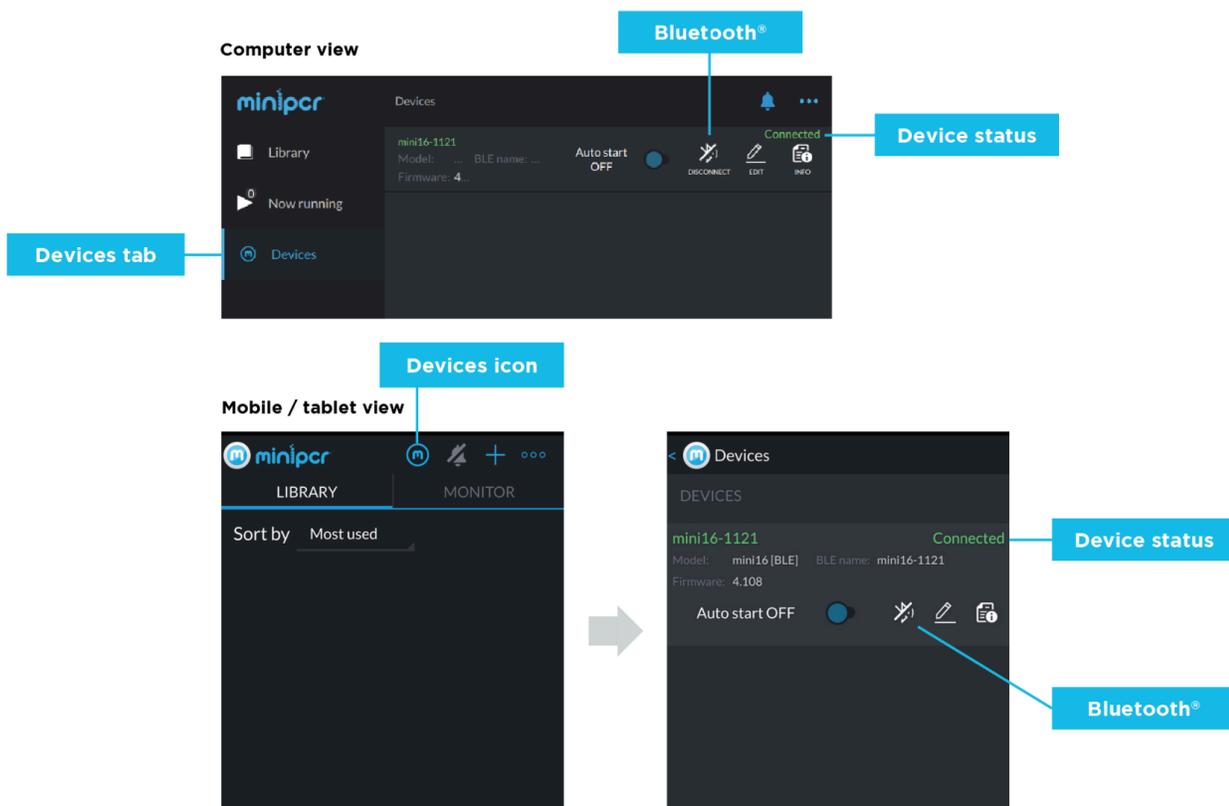


Running a PCR with a miniPCR thermal cycler

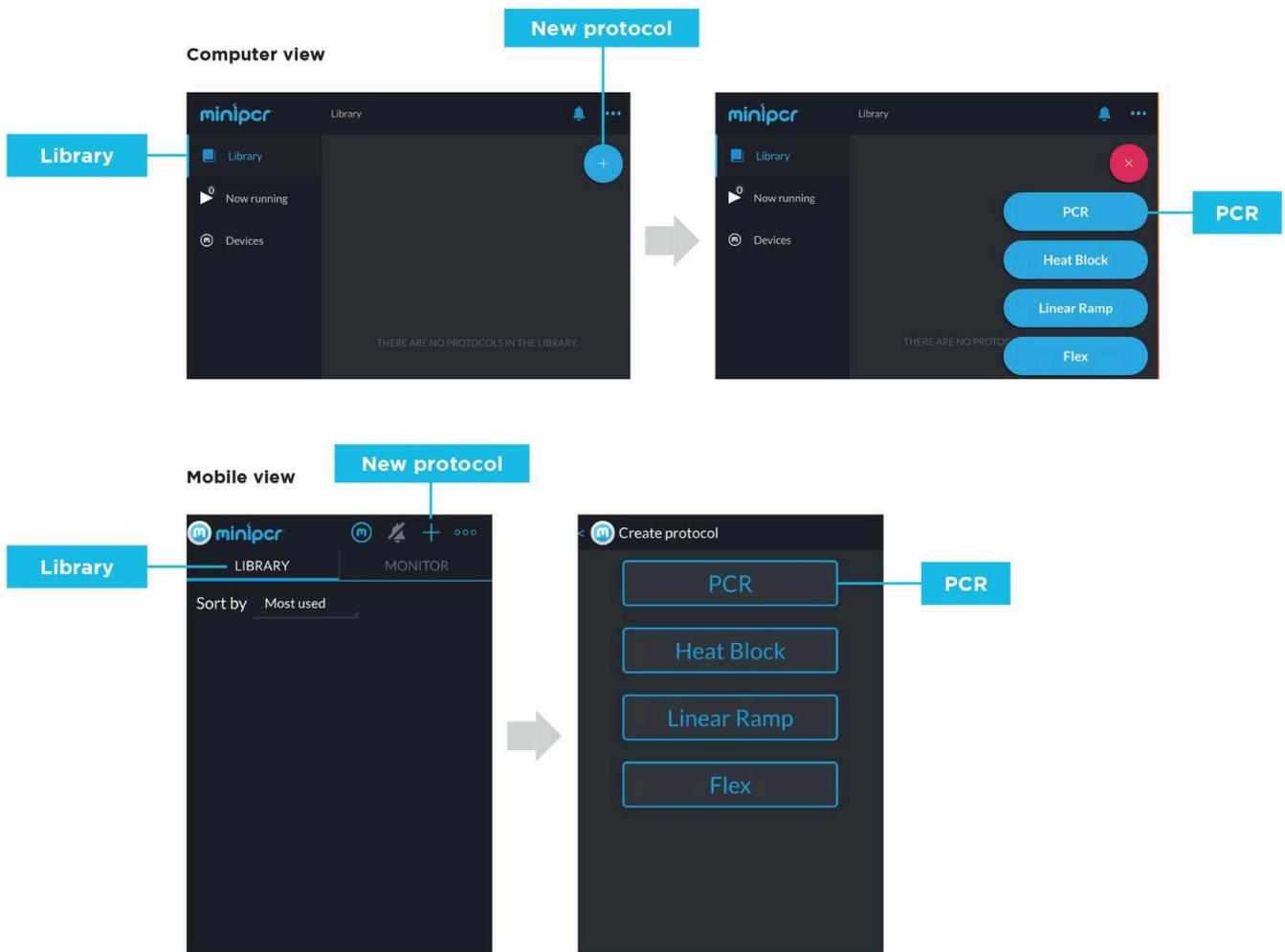
Connect to the miniPCR

1. Open the miniPCR® app on your computer or mobile device. You can download it from the app store or at www.minipcr.com/downloads.
2. Plug the miniPCR into an outlet using the provided power supply and press the power button to turn the machine on.
3. Connect the miniPCR to your device using the supplied USB cable or via Bluetooth®. To establish a Bluetooth connection from the miniPCR app:
 - 3a. Select the Devices tab (computer) or icon  (mobile, top center of the screen).
 - 3b. Click or tap the Bluetooth symbol  next to the miniPCR you would like to connect. The serial number can be found either on the back or the base of the miniPCR.



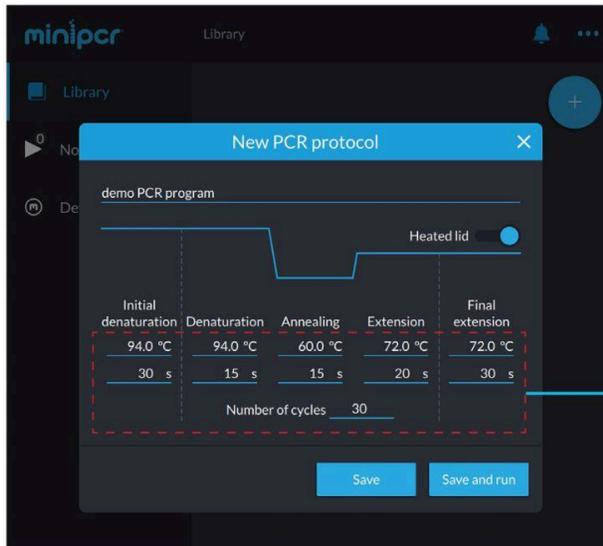
Program the miniPCR

- In the miniPCR app, select the Library tab.
- Select the “Add” button  on the top right corner to create a new protocol, then select PCR.



6. Enter a name for the protocol.
7. Enter the PCR protocol parameters listed in the Learning Lab guide for the experiment you are performing.
8. Select “Save.”

Computer view



Enter the parameters for your experiment

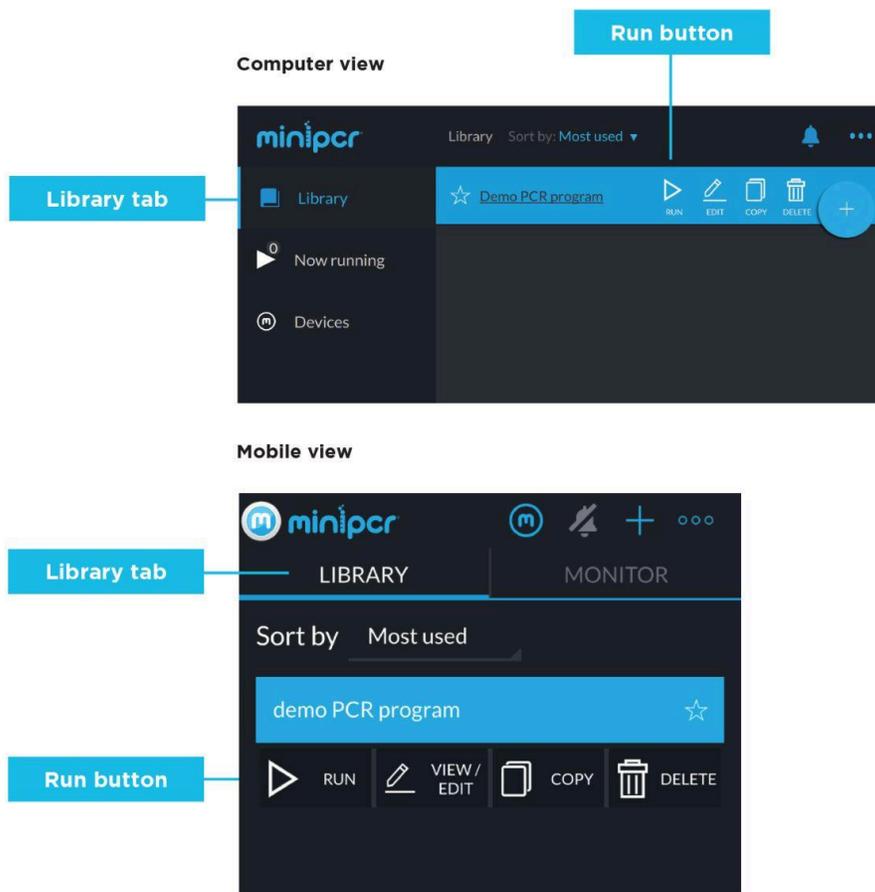
Mobile view



Enter the parameters for your experiment

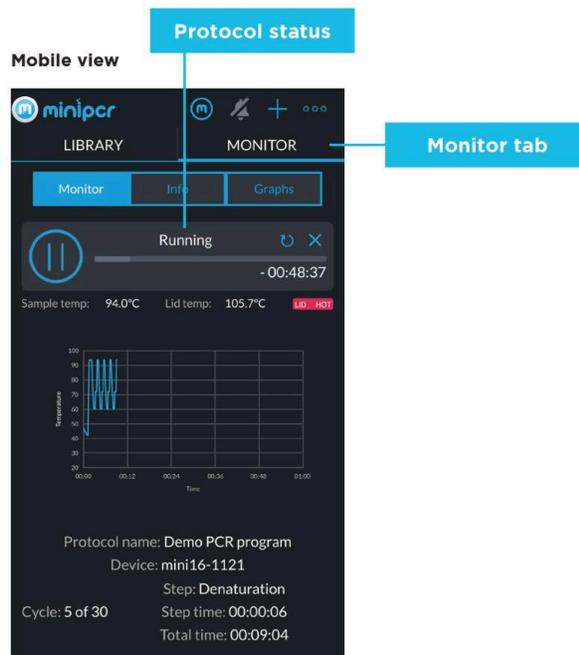
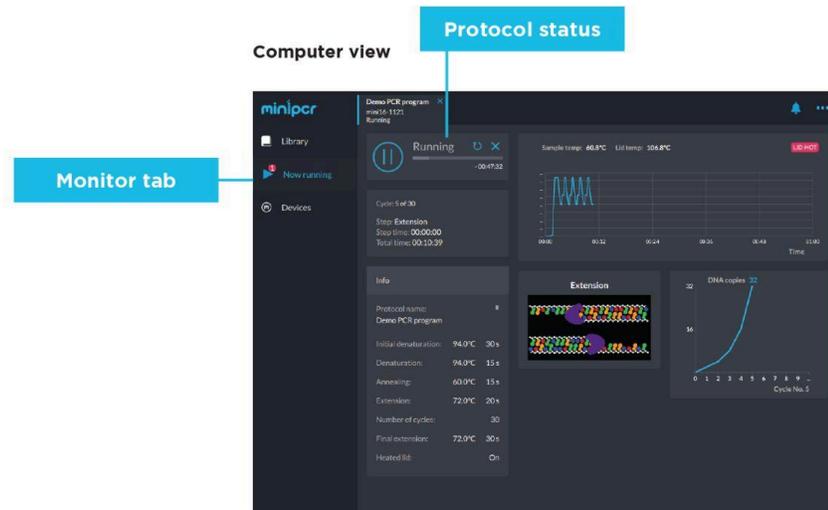
Run the PCR

9. Open the lid on the miniPCR.
10. Place the PCR tubes containing your samples in the metal block. Ensure that the caps on the tubes are closed securely.
11. Close the lid on the miniPCR.
12. In the miniPCR app, select the Library tab.
13. Select the protocol you want to use, then click or tap the “Run” button 



14. Select the Monitor tab to view the reaction parameters in real time.

Note: Once the program has started, the miniPCR will complete the program even if disconnected from your computer or mobile device.



15. When the PCR protocol is completed, the Protocol status will display “Finished” and the red, yellow, and green lights on the miniPCR will illuminate and stay on.

Note: PCR products are stable at room temperature for several days. For longer-term storage, move samples to a fridge or freezer.