

Fluidigm® FC1™ Cycler Usage Quick Reference

PN 100-1250, Rev. B

For more information see the *Fluidigm FC1 Cycler User Guide*, PN 100-1279

1 Powering On the FC1 Cycler

NOTE: The FC1 Cycler uses a touch-screen interface, therefore all interactions with the application occur by touching the screen.

- 1 If you are using a power strip, turn it ON.
- 2 Press the switch at the back of the FC1 Cycler to the ON position.
- 3 At completion of power up and instrument initialization, the Fluidigm FC1 Cycler Home screen appears.

NOTE: Initialization may take up to 1 minute to complete.

2 Login

- 1 Press **LOGIN** button to log in.
- 2 Default passwords for the following users are:
Admin: use **123456**
User: no password

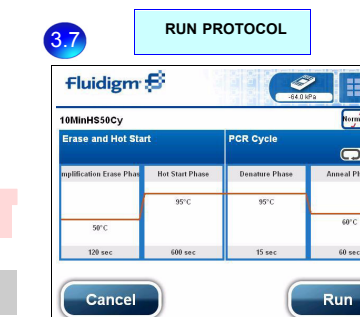
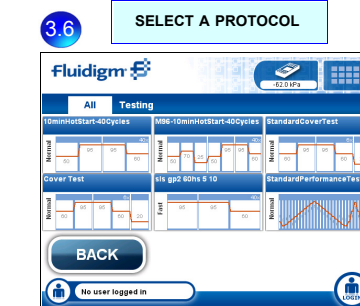
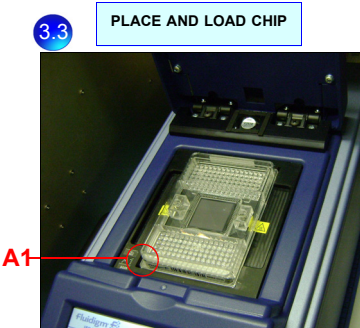
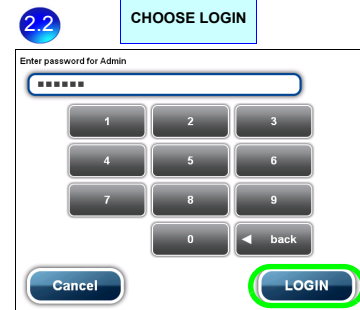
NOTE: For information on setting passwords, see the *Fluidigm FC1 Cycler User Guide*, PN 100-1279.

3 Running a Protocol

- 1 Press the **START** button.
- 2 Open the lid.
- 3 Remove and discard the blue protective film from the bottom of the chip, if not done earlier.
- 4 Place the chip onto the thermal cycling block (chuck) on top of the instrument by aligning the notched corner of the chip to the **A1** mark.
- 5 Close the lid.
- 6 Press **CONTINUE** to display available thermal protocols.
- 7 Choose a protocol to run from the protocol selection window.
- 8 Press **Run**.
- 9 Once the protocol is finished, a confirmation screen appears. (During an active protocol, **Abort** will cancel the chip run.)

WARNING: Never press down on the chip when it is on the FC1 Cycler.

NOTE: A status screen appears with a time estimate for completion.





Cleaning Protocol

It is important to keep the thermal chuck surface clean. Any grease or debris will impact the thermal contact between the chuck and chip. Turn off the system prior to cleaning the chuck.

- 1 Turn system off and allow to cool down to room temperature.
- 2 Use a lint-free cloth and 70% isopropyl alcohol to gently wipe the chuck.



CAUTION! Make sure the chuck has had time to cool. It can get very hot and cause burn injury.



Troubleshooting

Error Message	Possible Solutions
The screen is blank	Check power connection at the wall outlet, at power strip and instrument inlet.
Error while loading the chip, no vacuum	Verify the blue protective film has been removed from the bottom of the chip. Verify chip is properly seated. Make sure chuck surface and bottom of the chip are clean. Follow cleaning protocol above.



Technical Support

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