

Fluidigm® IFC Controller Usage Quick Reference

PN 68000126 Rev D

For more information see the *IFC Controller User Guide*, PN 68000112 or the *TOPAZ IFC Controller User Guide*, PN 68000134

1 Instrument Startup

- 1 At completion of power up and instrument initialization, the Fluidigm® IFC Controller Home screen appears.

NOTE: You may choose to log in now or at a later time. See Login section.

- 2 Press **EJECT** to move the tray out of the IFC Controller.
- 3 Place the chip onto the tray by aligning the notched corner of the IFC chip to the **A1** mark.
- 4 Press **LOAD CHIP** to register the barcode of the chip and activate script selection.

2 Running a Script

- 1 Choose a script to run from the script selection window. (The list of available scripts is defined by the chip barcode.)

NOTE: If prompted to log in, see Login section.

- 2 Press **Run Script**.

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

- 3 Once the script is complete, as denoted on the status screen, press **EJECT** to remove chip. (During an active script, **Abort** will cancel the chip run.)

3 Login

- 1 If prompted, log in as **Admin** or **User**.

NOTE: You may log in even if not prompted by clicking the LOGIN icon.

- 2 When entering a password for the first time:
 - a Admin: use **123456**.
 - b User: no password.

NOTE: For information on setting passwords, see the *Fluidigm IFC Controller User Guide*, PN 68000112 or *TOPAZ® IFC Controller User Guide*, PN 68000134. For information on the tools menu, see the appropriate User Guide.



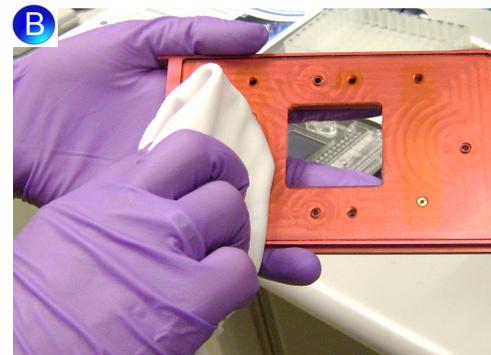
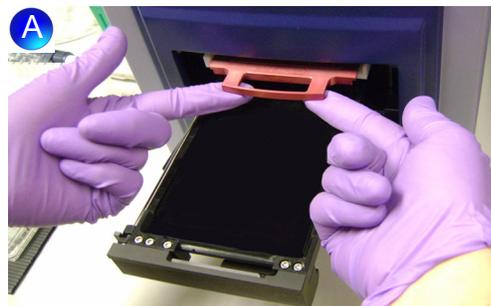
Cleaning the Interface Plate

See the *Fluidigm IFC Controller User Guide*, PN 68000112 for detailed cleaning instructions.

The IFC Controller will notify the user after a designated number of scripts (see note below) to clean the interface plate.

- 1 Grasp the tab of the red interface plate (Fig. A) and remove by pulling toward you.
- 2 Clean the side of the interface plate with the rubber gasket by using a lint-free wipe with 70% isopropanol (Fig. B).
- 3 Replace the interface plate by sliding into the IFC Controller and pressing firmly to ensure proper seating.

Cleaning of the interface plate may also be performed more frequently if desired.



Cleaning the System

The IFC Controller will notify the user after a designated number of scripts (see note below) to perform a system cleaning.

- 1 Follow on-screen instructions:
 - a Press **Clean System**.
 - b Place cleaning plate onto the tray.
 - c Press **Start System Cleaning**.
 - d When the system purge is complete, eject the tray. Rinse the cleaning plate and dry for next use.

NOTE: The IFC software will track the number of scripts run, and will ask for cleaning according to the following schedule:

- MX—Perform interface plate cleaning after 50 scripts, system cleaning after 200 scripts.
- HX—Perform interface plate cleaning after 30 scripts, system cleaning after 120 scripts.
- TOPAZ—Perform interface plate cleaning after 30 scripts, system cleaning after 120 scripts.

Alternatively, you may choose to run the cleaning protocol manually by accessing the **clean system script** in the Tools menu.

Technical Support

TELEPHONE

Within the United States: 1-866-358-4354

Outside the United States: 1-650-266-6100

EMAIL

techsupport@fluidigm.com

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