Quick Reference Cards | CG000471 | Rev F

Chromium X Series (X/iX)

For use with:

Chromium X & Accessory Kit

12-Month Warranty, PN-1000331; 24-Month Warranty, PN-1000332

Chromium iX & Accessory Kit
12-Month Warranty, PN-1000328; 24-Month Warranty, PN-1000329

Chromium X/iX Refurbished, PN-1000326R

Chromium X Series (X/iX)
Step 1: Installation

10x GENOMICS

Location requirements:

- Not in direct sunlight
- Level, sturdy laboratory bench that is not subject to movement or vibration
- Provides maximum bench space (front to back)
- Allows access to the wall plug and to the detachable power cord at the rear
- Minimum of 4" (10 cm) clearance around unit
- Minimum of 6" (15 cm) directly in front of the instrument for movement of the tray door

⚠️ The tray door is capable of moving an object in its path, which could fall, creating a hazard.
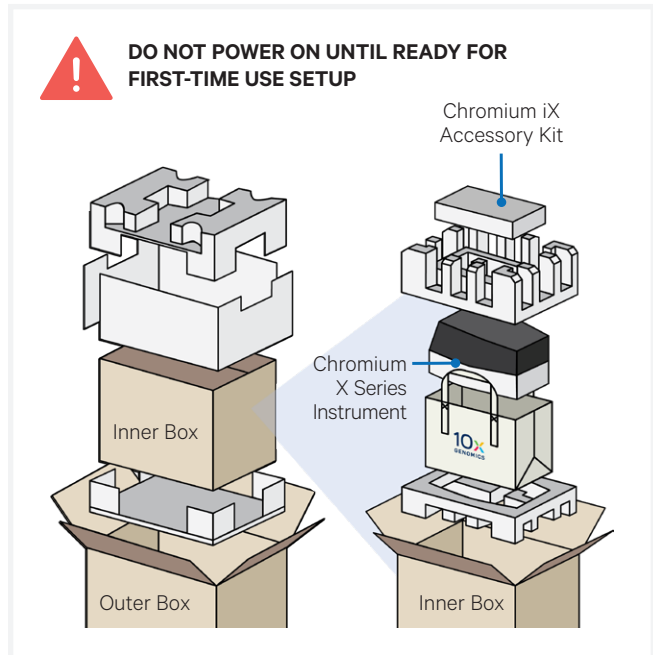
⚠️ **Heavy Load**: Total box weight is 49.9 lb (22.6 kg). Two-person lift required. Use tote bag to lift the instrument itself (41.4 lb [18.8 kg]).

DO NOT POWER ON UNTIL READY FOR FIRST-TIME USE SETUP

Chromium iX Accessory Kit

Chromium X Series Instrument

Inner Box

Outer Box

Inner Box

Unbox

a. Open box according to box label "this side up." *Remove tape and open. Deep cuts may damage the contents.*

b. Remove the Upgrade Kit box (if present) and packaging material. Lift inner box out and open according to box label "this side up."

c. Remove the Chromium X/iX Accessory Kit box and packaging material.

d. Lift out tote bag holding the instrument and place on bench top. Remove instrument from tote bag. Remove outer packaging materials.

Remove Shipping Lock

a. Grab red sticker on the tray door by the "pull" tab and pull down to open tray. Unscrew (by hand) the red metal shipping lock. Retain shipping lock for future use.

b. Close the tray door.

c. Find universal power cord and plug adaptors in the Accessory Kit box. Attach correct country adaptor to the universal adaptor.

d. Plug the Chromium X/iX into a properly grounded outlet of proper voltage.

⚡ **Ensure power source is grounded** before plugging in the instrument's power cord.

e. If using an Ethernet cable (not provided), connect directly to the instrument.

Consult User Guide (CG000396) for complete information

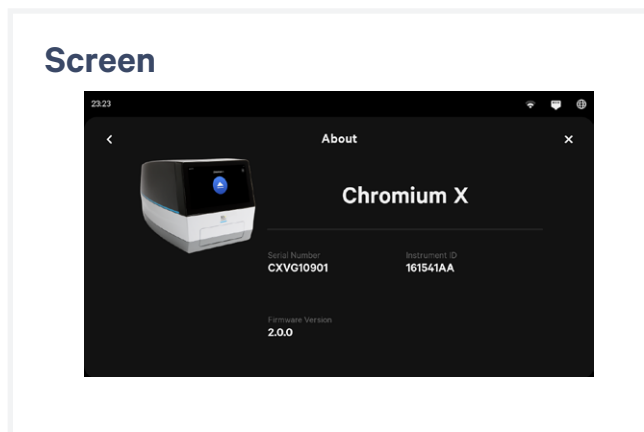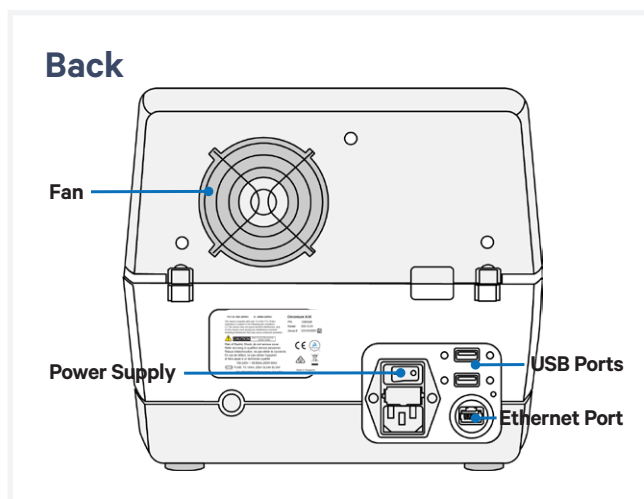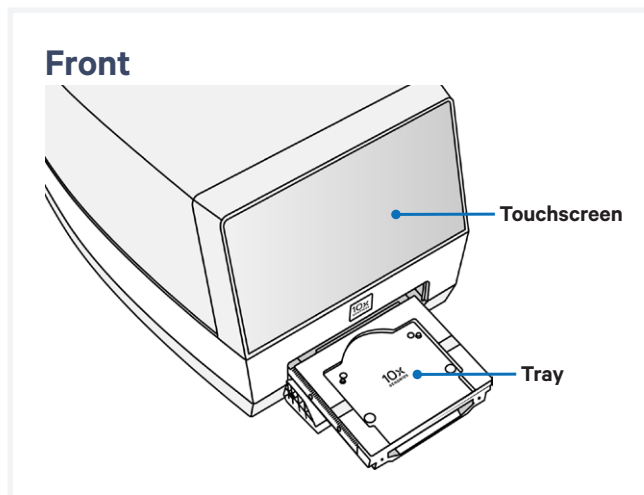# Chromium X Series (X/iX)
Step 2: First-Time Use

The instrument will walk through a first-time setup protocol. Setup requires the following:

- **10x Genomics Account**
  Onscreen instruction will guide account setup. Alternatively, visit cloud.10xgenomics.com/instruments to create an account beforehand.

- **Instrument serial number and instrument ID**
  Located onscreen during setup, and also on the label at the back of the instrument

- **A computer with Internet access**

- **Network connection between instrument and 10x Cloud**
  An internet connection is used for firmware updates. Wi-Fi configuration may not be available in your region. Ethernet is recommended for optimal performance. Consult the Chromium X Series: Network Connectivity Guidelines (CG000508) for more information.

Turning on the system

a. Power on the instrument using the power switch at the back of the unit.
If using Ethernet, connect the cable to the instrument Ethernet port.

b. Navigate to register.10xgenomics.com using the onscreen QR code on a computer or phone with internet access. Enter the serial number + instrument ID. Read and accept the legal agreement.

c. Update the firmware.
After registration, the instrument will automatically search for the latest firmware update. Confirm data transmission settings for automatic upload/download.

d. Reboot to complete installation. Proceed to Readiness Test.

Front

Touchscreen
Tray

Back

Fan
Power Supply
USB Ports
Ethernet Port

Screen

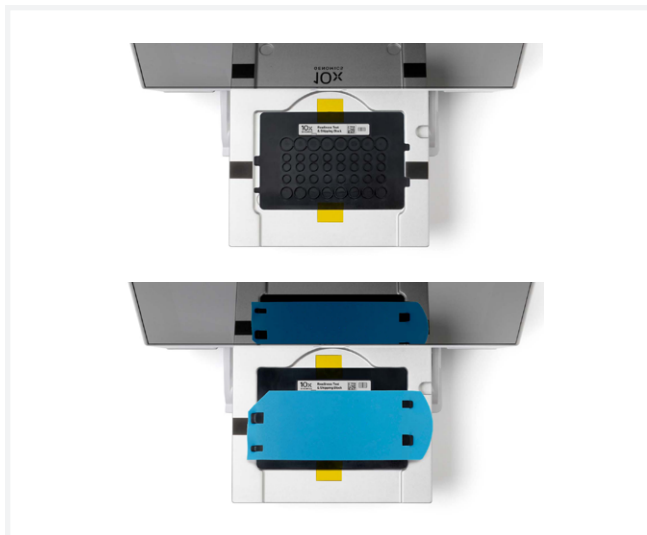*Consult the Chromium X Series (X/iX) User Guide (CG000396) for complete information*

Chromium X Series (X/iX)
Step 3: Readiness Test

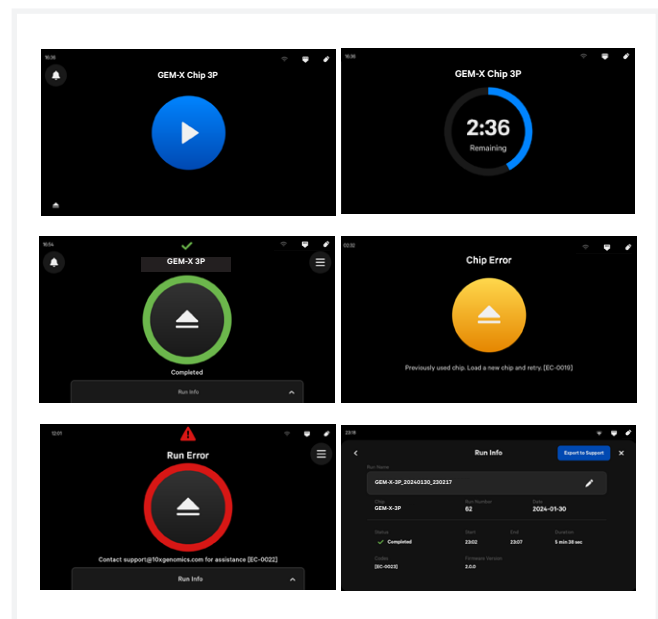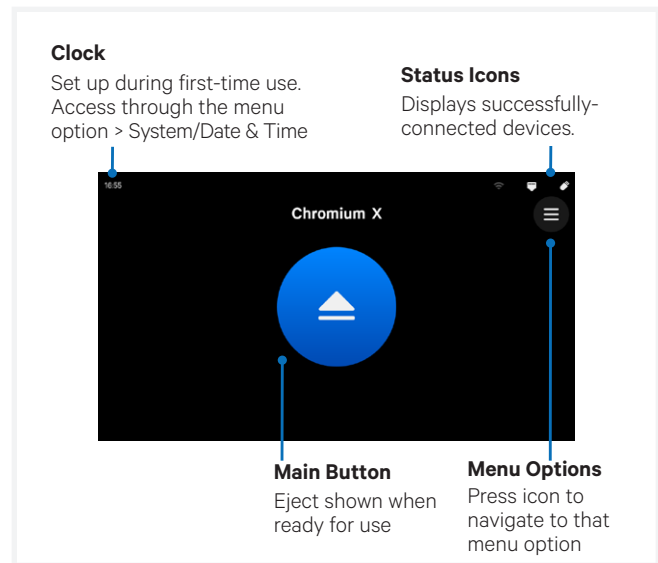*The readiness test verifies that all systems are working optimally.*

- During first-time setup, follow screen instruction to launch the readiness test.

a. Verify that the shipping/readiness test block is properly placed on the tray:
  - Press the eject button.
  - Ensure that the blank gasket is properly attached.
  - Replace the assembled block on the tray.
  - Press the eject button again to close the tray.

b. After the test is complete, follow screen instruction to remove the block with blank gasket from the tray.

c. Store the assembled block and gasket in a plastic bag, away from sun-light and extreme temperature. Retain for future use.

d. A successful readiness test marks the end of setup. The instrument is now ready for use.

Initiate subsequent readiness tests through the home screen by loading the shipping/readiness test block with gasket into the instrument.

Operation Screens
After the readiness test, the instrument is ready for use. Representative instrument operation screens are shown below.

Clock
Set up during first-time use. Access through the menu option > System/Date & Time

Status Icons
Displays successfully-connected devices.

Main Button
Eject shown when ready for use

Menu Options
Press icon to navigate to that menu option

Consult the Chromium X Series (X/iX) User Guide (CG000396) for complete information

Chromium X Series (X/iX)
Firmware Update Procedure

Step 1: Download and install the update

Procedure with a network connection, auto-download enabled:

Automatic downloads of updates are enabled after firmware updates to ensure the instrument is up-to-date with the latest assay products, features, and bug fixes.

a. A pop-up on the home screen will alert the user of available updates.

b. Open pop-up and click to install.

Procedure with a network connection, auto-download disabled:

a. A pop-up on the home screen will alert the user of available updates.

b. Open pop-up and click to download.

c. Once the update has been downloaded, install the update.

Step 2: Reinitialize the instrument

After installing an update, run a Readiness Test. See Readiness Test section for further guidance.

a. Retrieve the shipping/readiness test block with attached blank gasket.
See the Readiness Test section for more information on the block.

b. Initiate a readiness test through the home screen by loading the block into the instrument.

c. After the test is complete, follow screen instruction to remove the block from the tray.

d. Store the assembled block and gasket in a plastic bag, away from sun-light and extreme temperature. Retain for future use.

e. The instrument is now ready for use.

Consult the Chromium X Series (X/iX) User Guide (CG000396) for complete information

Chromium X Series (X/iX)
Document Revision Summary

Document Number
CG000471 | Rev F

Title
Chromium X Series (X/iX) Quick Reference Cards

Revision
Rev E to Rev F

Revision Date
March 2024

Specific Changes
Rev F
- The instrument now requires an internet connection for firmware updates. The method for a firmware update with no internet connection was removed on pages 3 and 5.

Rev E
- The unboxing diagram was updated to reflect the current kit configuration on page 2.

General Changes
- Photos were replaced with line drawings for clarity and consistency with other 10x Genomics documentation.
- The user interface screenshots have been updated throughout to reflect the latest software.
- The document was updated for general minor consistency of language and terms throughout.

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