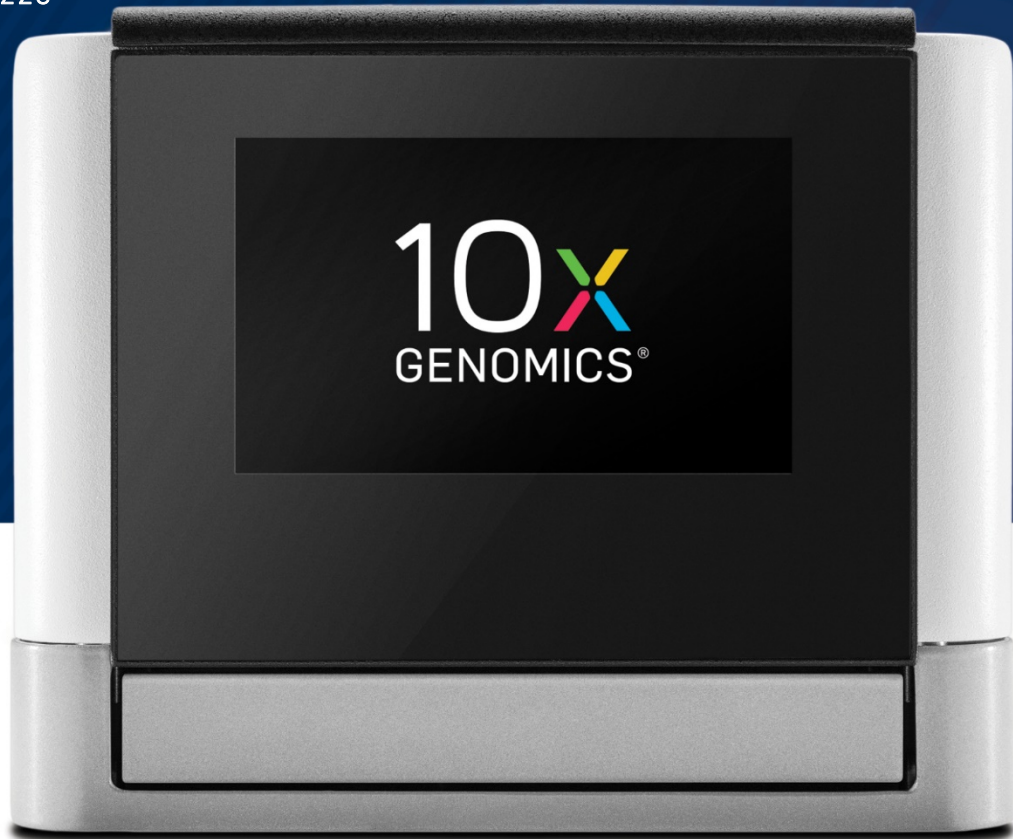# Chromium™
Controller
Readiness Test

FOR USE WITH

Chromium™ Controller & Accessory Kit

PN-120223

Notices

Manual Part Number

CG00025   Rev A

Legal Notices

Customer Information and Feedback

For technical information or advice, please contact our Customer Technical Support Division online at any time.

Email: techsupport@10xgenomics.com

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Suite 401

Pleasanton, CA 94566 USA

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Chromium™ Controller Accessory Kit

Product	Description	#	Part Number
Chromium™ Controller Accessory Kit			110204
	Power Cord	1	34000X
	10x™ Vortex Adapter	3	330002
	10x™ Chip Holder	2	330019
	10x™ Gasket (3 pack)	1	-
	10x™ Vortex Clip	2	230002
	10x™ Magnetic Separator	2	230003
	Chromium Test Chip V1	1	230024

1. Turn on the Chromium™ Controller

a) Ensure the Chromium Controller is positioned in accordance with recommendations in the Chromium Controller Specifications.

b) Turn on the Chromium Controller using the power switch on the back of the unit.


Power entry module ← → Power switch

c) The Chromium Controller touchscreen will indicate initialization is in progress.

d) When initialization is complete, press the button on the touchscreen of the Chromium Controller to eject the tray and remove the foam strip used for protection during shipping. Press the button again to retract the tray.

Remove foam strip →
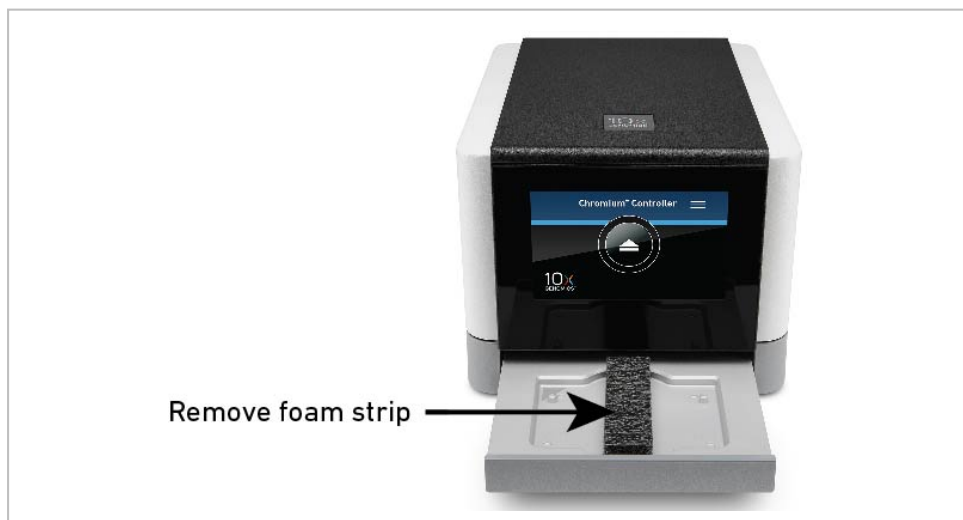
2. Assemble a Test Chip and a 10x™ Chip Holder

a) Align the notch on the upper left corner of the Test Chip with the notch on the 10x Chip Holder and insert the left-hand side of the Test Chip under the guide.

b) Depress the right-hand side of the Test Chip until the spring-loaded clip engages the Test Chip.
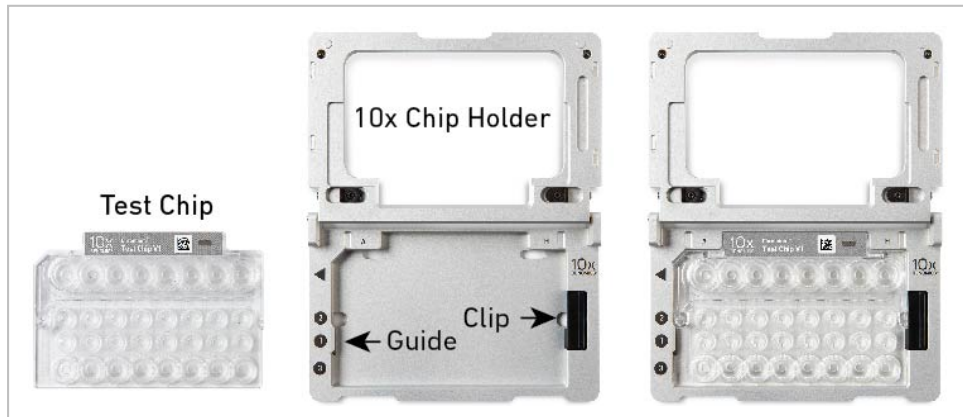
c) Close the hinged lid of the 10x Chip Holder. After loading the Test Chip, the 10x Chip Holder should lay flat on the bench top with the lid closed.


d) Orient the assembly so that the Partitioning Oil wells (row labeled 3) are toward you.

3. Attach a Gasket & Run the Chromium™ Controller

3.1. Attach a 10x™ Gasket

a) The notched cut of the 10x Gasket should be at the top left corner. Hold the 10x Gasket by the tongue and hook it on the left-hand tabs of the 10x Chip Holder. Gently pull the 10x Gasket toward the right and hook it on the two right-hand tabs. Ensure the 10x Gasket holes are aligned with the wells.
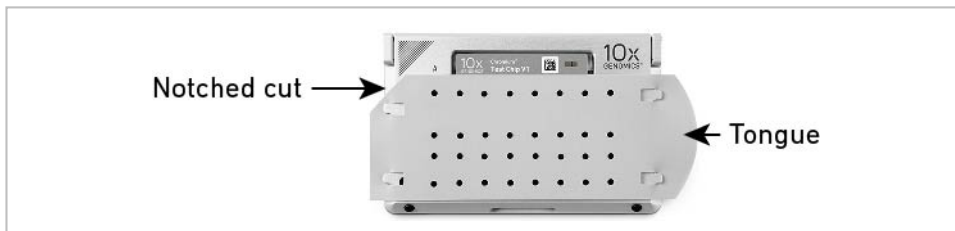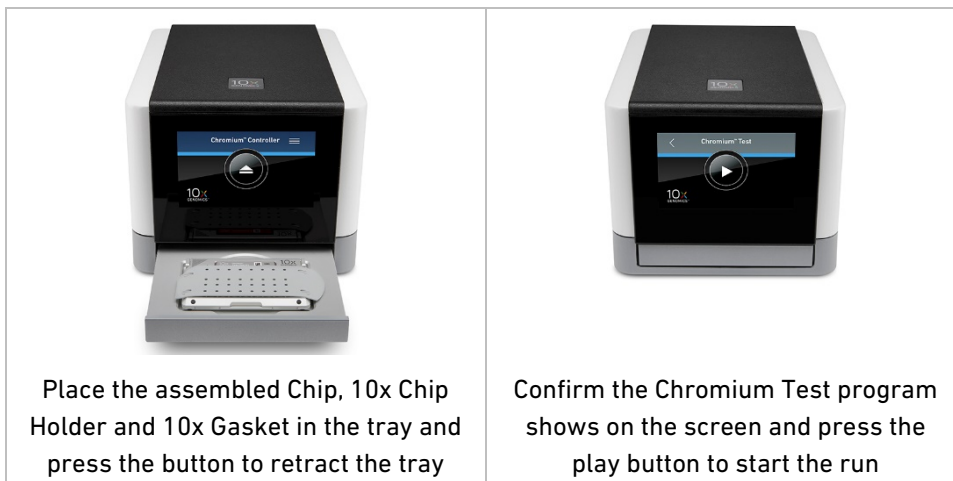

3.2. Run the Chromium™ Controller

a) Press the button on the touchscreen of the Chromium Controller to eject the tray.

Touch the touchscreen to wake up the Chromium Controller	Press the eject button to eject the tray

b) Place the Test Chip assembled in 10x™ Chip Holder with a 10x™ Gasket installed on the tray (align the diagonal etchings on the top left corner of the 10x Chip Holder and the back left corner of the tray).

c) Press the button to retract the tray. Confirm the Chromium™ Test program shows on screen and press the play button to begin the run.

Place the assembled Chip, 10x Chip Holder and 10x Gasket in the tray and press the button to retract the tray	Confirm the Chromium Test program shows on the screen and press the play button to start the run

d) At the completion of the run (3 min), the Chromium Controller will chime. Press the button to eject the tray. Remove and disassemble the Chip Holder assembly. Press the button again to retract the empty tray.

After the run is completed, press the eject button to eject the tray	Remove the Chip Holder assembly and press the button again to retract the tray

e) If there are any problems during this process, contact techsupport@10xgenomics.com for further assistance.

f) Save the 10x Chip Holder for use with your Chromium Controller. The 10x Gasket and Test Chip should also be stored.