

The most flexible way to single cell.

Chromium X





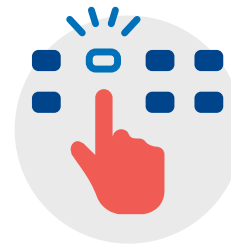
Flexible

Low to high throughput, handles all 10x Genomics single cell assays



Accessible

Enjoy economies of scale with larger-scope experiments



Easy to use

Simple upgrades, intuitive interfaces, direct support

Introducing Chromium X

Single cell analysis has been a revolutionary breakthrough in biology. Understanding cellular diversity has enabled significant insights into intracellular mechanisms and their applications to health and disease. But for many researchers, single cell has been out of reach due to technical, cost-per-cell, and scalability challenges.

These challenges are disappearing quickly, with the introduction of the Chromium X Series. Flexible enough to fit into any lab, Chromium X can partition hundreds of thousands of fresh, frozen, or fixed cells in a single run, removing constraints, and making million cell studies routine.

The Chromium X technology advantage behind single cell

Chromium X makes single cell analysis easy, reliable, and scalable thanks to its proprietary Next GEM technology. The key to this technology is the ability to generate hundreds of thousands of single cell partitions, each containing an identifying barcode for downstream analysis. Combined with an innovative reagent delivery system and turnkey software analysis tools, we enable the discovery of previously inaccessible biological information.

In addition, the Chromium X features fully integrated, automated system support in the 10x Genomics Cloud, complete with temperature control and improved access to support.

A lower throughput option—Chromium iX

Not ready for high-throughput studies? Just starting your single cell journey? Not a problem. The Chromium iX member of the Chromium X Series can get you on your way. Conduct pilot studies, early stage research, and everyday single cell experiments. When you're ready to scale up, you don't even need to purchase a new instrument—a simple software upgrade is all it takes to move up to Chromium X.

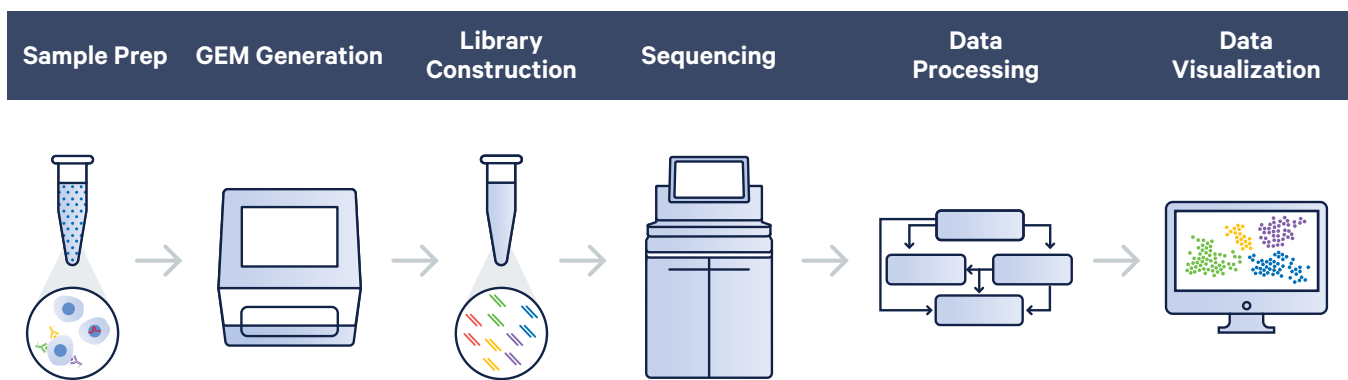
The full suite of single cell assays is at your service with the Chromium X Series. There's no limit to the type and scale of study you can do.

Assay	Chromium iX	Chromium X
Single Cell Gene Expression LT	Yes	Yes
Single Cell Gene Expression	Yes	Yes
Single Cell Gene Expression HT	Upgrade required	Yes
Single Cell Gene Expression Flex	Yes	Yes
Single Cell Immune Profiling	Yes	Yes
Single Cell Immune Profiling HT	Upgrade required	Yes
Single Cell ATAC	Yes	Yes
Single Cell Multiome ATAC + Gene Expression	Yes	Yes

Flexible for any experimental strategy

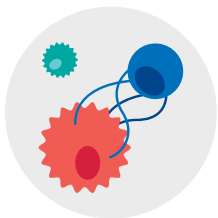
Chromium X can easily handle a range of projects, from pilot studies to the highest-throughput analysis. Chromium Single Cell products can capture molecular readouts of cell activity in multiple dimensions, including gene expression, chromatin accessibility, cell surface proteins, immune clonotype, antigen specificity, and CRISPR perturbation screens.

Chromium X is compatible with all 10x Genomics single cell assays, opening the door to the widest variety of experiments.



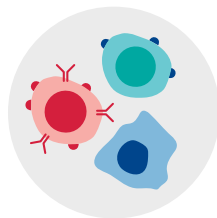
Applications and research areas

Chromium X opens the door to exploring single cell diversity, providing discoveries in a wide variety of research fields. The new Chromium X will significantly advance research in many areas, including:



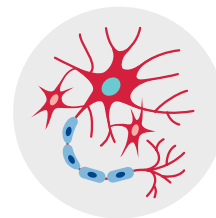
Oncology

Resolve cancer with single cell insights into the complex biology underlying tumor heterogeneity, the tumor and immune microenvironment, biomarker discovery, and therapeutic development.



Immunology

Redefine immunology with multiomic single cell characterization for actionable insights into infectious disease, therapeutic discovery, allergies and inflammation, autoimmune disorders, and transplantation.



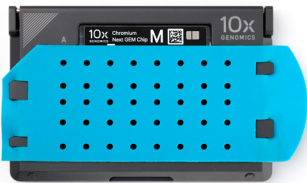
Neuroscience

Gain a new perspective on neural complexity with single cell resolution for deeper insights into psychiatric disorders, neurodegenerative disease, and developmental neurobiology.



Product Description	Product Code
Chromium X & Accessory Kit, 12 Mo. Warranty	1000331
Chromium X & Accessory Kit, 24 Mo. Warranty	1000332
Chromium iX & Accessory Kit, 12 Mo. Warranty	1000328
Chromium iX & Accessory Kit, 24 Mo. Warranty	1000329
Chromium X Upgrade Package	1000330

Parameter	Specification
Weight	41.4 lb (18.8 kg)
Dimensions	W x D x H 11.25" [28.6 cm] x 19" [48.3 cm] x 10.75" [27.3 cm]
Electrical Requirements	100–240 VAC, 50/60 Hz, 250 W 90–264 V operational range (+/- 10% of nominal) Overvoltage Category II (standard receptacle)
Operating Temperature	64–82°F [18–28°C]
Humidity	30–80% R.H. non-condensing
Altitude	Altitude up to 7500 ft [2286 m] above sea level
Power cable length	6–7 ft [2 m] Standard - country specific adaptors included



We'll help you discover

Single cell analysis is quickly revolutionizing cell biology and the way we understand the biological basis of health and disease. Thousands of studies using 10x Genomics technology have unveiled new insights into the importance of cellular diversity. Our expert technical support and customer service will help you get started and keep your momentum going in single cell research.

The future of single cell is in your hands.

Contact us

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