

Single cell and spatial technology to accelerate biological insights

Product offerings from 10x Genomics

Address complex biology at fundamental resolution and massive scale by choosing the tools most suited to your research questions. Resolve biology to advance human health with single cell or spatial resolution. Discover the comprehensive product portfolio under the Chromium Single Cell and Visium Spatial platforms. Our end-to-end solutions include sample preparation support, instruments, reagents and consumables for library preparation, as well as intuitive turnkey software analysis tools.

Visium Spatial products

Spatial Gene Expression

- Discover novel insights into normal development, disease pathology, and clinical translational research with morphological context
- Profile whole transcriptome gene expression across an entire tissue section

Spatial Proteomics

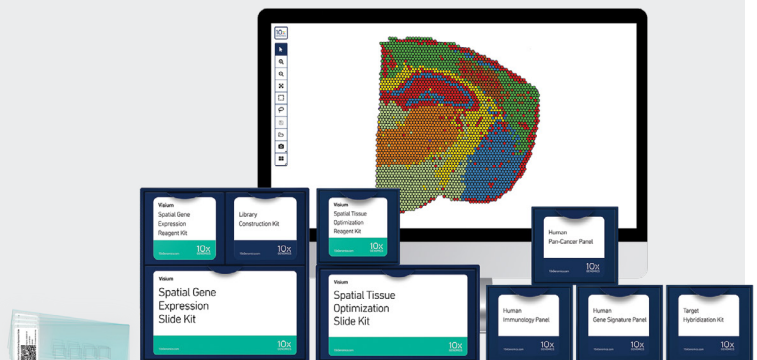
- Gain a deeper, more holistic understanding of tissue organization
- Combine immunofluorescence protein detection and whole transcriptome gene expression analysis in the same tissue section

Targeted Spatial Gene Expression

- Comprehensively target relevant genes and biomarkers in your tissues to gain a complete view of the biology most important to your research
- Profile a defined set of transcripts in an entire tissue section with comprehensive, pre-designed human panels for cancer, immunology, neuroscience, and drug discovery, or define your own custom content

Visium Gateway

- Experience the wealth of data provided by Visium with Gateway slides that let you analyze two tissue samples at an introductory cost
- Generate pilot data for your upcoming grants to showcase the value of spatial gene expression in your research project



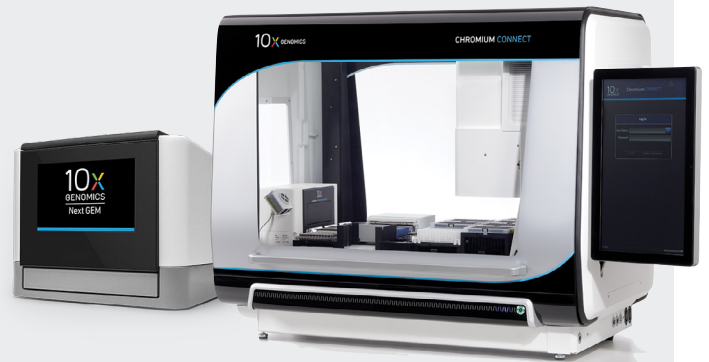
Chromium instruments

Chromium Controller

- Generate single cell partitions for any Chromium Single Cell workflow in minutes from the convenience of a standard laboratory bench
- Combine large partition numbers with a massively diverse barcode library to generate >100,000 barcode-containing partitions

Chromium Connect

- Go from cell suspension to consistent, sequencing-ready single cell gene expression libraries with less than one hour's hands-on time
- Integrate single cell partitioning, barcoding, and library prep together in one optimized solution to automate your single cell sequencing workflow



Chromium Single Cell products

Single Cell Gene Expression

- Capture the full heterogeneity of a sample to characterize complex cell populations, discover novel cell types and states, and identify biomarkers
- Measure whole transcriptome 3' gene expression alone or simultaneously with cell surface protein expression or CRISPR perturbations in tens of thousands of cells

Single Cell Immune Profiling

- Recover a comprehensive immune repertoire to explore immune cell diversity
- Profile any combination of full-length, paired B-cell or T-cell receptors, surface protein expression, antigen specificity, and gene expression, all from a single cell

Single Cell Multiome ATAC + Gene Expression

- Enhance your characterization of cell types and states, and reconstruct cell type-specific gene regulatory networks
- Simultaneously profile gene expression and open chromatin from the same single cell

Single Cell ATAC

- Gain a deeper understanding of gene regulatory mechanisms to explore the epigenetic underpinnings of disease, developmental plasticity, and cell identity
- Analyze chromatin accessibility in hundreds to tens of thousands of individual nuclei in parallel

Targeted Single Cell Gene Expression

- Scale your studies, refine discoveries, and validate biomarkers and drug targets by focusing on the genes most relevant to your research
- Profile a defined set of transcripts with customizable, pre-designed human panels for cancer, immunology, neuroscience, and drug discovery, or design a fully custom panel with up to 1,500 gene targets



Contact us

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