



Spatial and single cell technology to accelerate biological insights

Product offerings from 10x Genomics

Resolve biology to advance human health with spatial or single cell resolution and scalable options to suit your research needs. Our Visium Spatial and Chromium Single Cell platforms offer end-to-end solutions that include sample preparation support, instruments, reagents and consumables for library preparation, as well as intuitive turnkey software analysis tools.

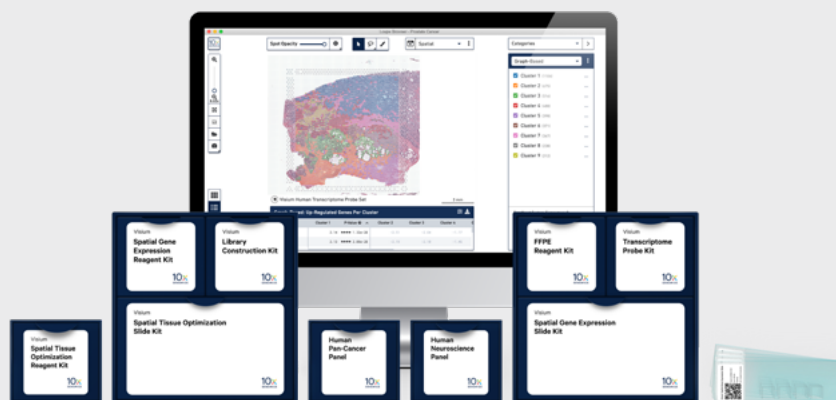
Visium Spatial products

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 fresh frozen or FFPE tissue section
- Combine immunofluorescence protein detection and whole transcriptome gene expression analysis in the same fresh frozen or FFPE tissue section

Targeted Spatial Gene Expression

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



Chromium instruments

Chromium X Series

- Expand your experimental possibilities with the most advanced hardware, widest range of throughput options, and support for all of our single cell assays
- Perform gene expression and multiomic analysis with throughput solutions for pilot studies to your most ambitious projects, enabling efficient capture of hundreds to millions of cells

Chromium Connect

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

Chromium Controller

- Rely on established technology in our compact instrument for your single cell studies
- Run low- or standard-throughput applications for pilot and everyday experiments



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 as part of multiomic profiling with simultaneous cell surface protein expression or CRISPR perturbations in hundreds of thousands of cells
- Scale throughput to fit your needs, from pilot experiments with Single Cell Gene Expression LT to million-cell studies with Single Cell Gene Expression HT and 3' CellPlex sample multiplexing

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
- Scale up for more ambitious studies with Single Cell Immune Profiling HT

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 for multiomic characterization of the same 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 human or mouse panel with up to 1,500 gene targets

Contact us

10xgenomics.com | info@10xgenomics.com

© 2021 10x Genomics, Inc. FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES.
SAM000051 - Rev K - Flyer - Product offerings from 10x Genomics

