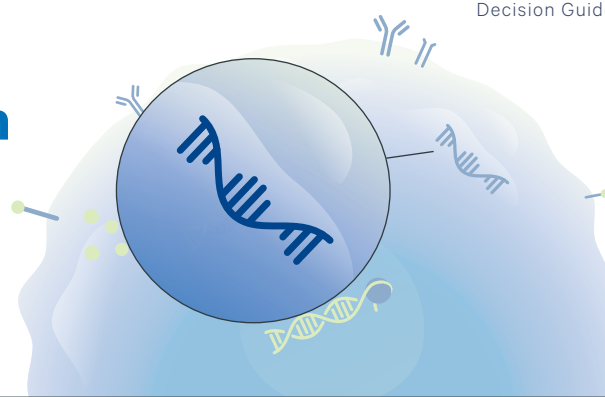


Single Cell Gene Expression

Characterize cellular heterogeneity, explore mechanisms driving development and disease, and trace cell lineages with comprehensive 3', 5', or probe-based transcriptomic sequencing at single cell resolution for hundreds to a million cells.



Assay comparison

	Single Cell Gene Expression Flex	Single Cell Gene Expression	Single Cell Immune Profiling
Description	A probe-based solution for whole transcriptome gene expression, starting from fresh or fixed samples, including FFPE	A versatile solution providing 3' gene expression with options for multiomic analysis	Comprehensive analysis of immune diversity, combining 5' gene expression with multiomic profiling
Additional multiomic capabilities	Cell Surface Protein	Cell Surface Protein CRISPR Screening	Cell Surface Protein Antigen Specificity BCR/TCR Sequencing CRISPR Screening
Extensions	Built-in sample multiplexing	Sample multiplexing with 3' CellPlex Automated workflow on Chromium Connect	Automated workflow on Chromium Connect
Targeted gene expression panels	N/A	Human (pre-designed and custom) Mouse (custom)	Human (pre-designed and custom) Mouse (custom)
Cell throughput	Singleplex: 10,000 cells per channel; up to 80,000 cells per chip Multiplex: 128,000 cells per channel; up to 1,024,000 cells per chip	Low: 1,000 cells per channel; up to 8,000 cells per chip Standard: 10,000 cells per channel; up to 80,000 cells per chip; 140,000 cells per chip with 3' CellPlex High: 20,000 cells per channel; up to 320,000 cells per chip; up to 730,000 cells per chip with 3' Cellplex	Standard: 10,000 cells per channel; up to 80,000 cells per chip High: 20,000 cells per channel; up to 320,000 cells per chip
Sample compatibility	Cells or nuclei Tested on diverse sample types, including cell lines, primary cells, and dissociated fresh or fixed tissue, including FFPE	Cells or nuclei Tested on diverse sample types, including cell lines, primary cells, and dissociated fresh tissue	Cells Tested on diverse sample types, including cell lines, primary cells, and dissociated fresh tissue
Species compatibility	Human and mouse	Demonstrated on multiple species, including human, mouse, and rat	Demonstrated on multiple species, including human and mouse Amplification of human or mouse TCR/BCR sequences
Instrument compatibility	Chromium X/iX	Chromium X/iX (all, high on X only) Chromium Connect (standard) Chromium Controller (low, standard)	Chromium X/iX (all, high on X only) Chromium Connect (standard) Chromium Controller (standard)
Analysis software	Cell Ranger Cloud Analysis	Cell Ranger Cloud Analysis	Cell Ranger Cloud Analysis
Visualization software	Loupe Browser	Loupe Browser	Loupe Browser Loupe V(D)J Browser
Resources	Product sheet Kits and part numbers	Product sheet Kits and part numbers	Product sheet Kits and part numbers

Contact us

10xgenomics.com | info@10xgenomics.com

© 2022 10x Genomics, Inc. FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES.
SAM000578 - Rev B - Decision Guide - Single Cell Gene Expression