

Droplet-based Methods

10X Genomics Platform

Most widely used - Chromium platform with GEMs

Drop-seq Principles

Co-encapsulation of cells and barcoded beads

InDrop Technology

Hydrogel beads with photocleavable barcodes

Barcode Design

Cell barcode + UMI for molecular counting

Doublet Detection

Computational and experimental QC for multiplets

💡 High throughput but lower sensitivity per cell

