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Open new doors to discovery with single-cell studies on NextSeq™ 1000 and 2000 Systems

Illumina Single Cell 3' RNA Prep makes single-cell RNA sequencing (scRNA-Seq) accessible for more labs with an intuitive, scalable, and microfluidics-free workflow. Now you can undertake larger and more varied studies with a NextSeq 1000 or 2000 System, without the budget or technology constraints of other single-cell methods.

Expand single-cell capabilities in your lab

Accessible workflow

- Simplify your workflows with minimal instrumentation or microfluidic consumables required
- Access convenient, stable stopping points for flexibility in your lab schedule
- Autolaunch DRAGEN™ Single Cell Analysis in the cloud immediately after sequencing

Autonomous solution

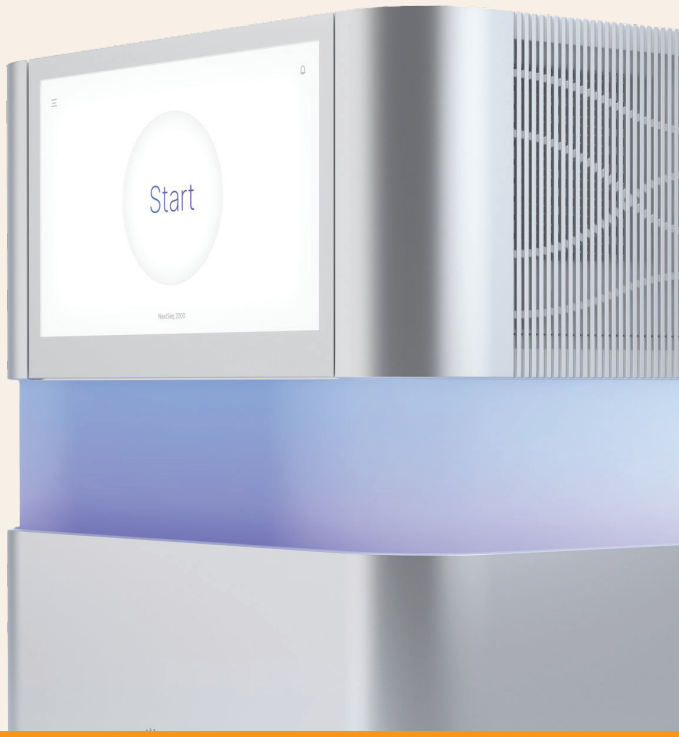
- Work with one vendor from cell capture and library prep through sequencing and tertiary analysis
- Own your own workflow for faster sample-to-answer turnaround times

Flexible scalability

- Capture hundreds to millions of cells with multiple kit sizes
- Scale across the Illumina instrument ecosystem as your project data demands evolve

Broad utility

- Use a wide breadth of applications—from prototyping to fragile cells and complex tissues
- Access expanded system use with an affordable single-cell solution



Do more with one benchtop sequencing system

A NextSeq 1000 or 2000 System in your lab enables you to get to your next breakthrough faster with:

Wide range of cell types

- Primary cells
- Organoids
- Complex tissue

Diverse applications

- Cancer cell heterogeneity analysis
- Immune cell type profiling
- Developmental lineage tracing
- Drug response characterization

Flexible workflows from Illumina Single Cell 3' RNA Prep

Kit	Flow cells	Samples per flow cell*	Cells per sample	Total workflow time
T2	P1, P2, P3, P4	2–45	2000	22–34 hr
T10	P2, P3, P4	2–9	10,000	26–34 hr
T20**	P3, P4	1–4	20,000	32–34 hr

* Recommended samples for experienced customers based on 20k reads/captured cell; customer performance may vary due to input cell counting accuracy, capture efficiency, and gene expression sensitivity.

** P3 and P4 flow cells are available for the NextSeq 2000 System only.

Faster, more flexible single-cell sequencing, only from Illumina

Single-cell solutions	LIBRARY PREP	SEQUENCING	ANALYSIS
Illumina Single Cell Prep with NextSeq 1000 and 2000 Systems	Prepare libraries from a wider range of cell types and quantities with minimal instrumentation	Sequence faster with run times as quick as 8 hours and more kit configurations for tailored workflows	Access more comprehensive workflows, enabled by Illumina Connected Multiomics
Single-cell solution from Company X on Element AVITI	More restrictive library prep with additional single-cell instrumentation investment required	Limited kit offerings and longer sequencing run times (up to 38 hours) inhibit workflow flexibility and speed	Single-cell-only analysis limits ability to integrate other data sets

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Turn complexities into unmatched capabilities.

illumina.com/NextSeq-Expertise