

Backed by evidence. Built for your next breakthrough.

Drive innovation for years to come with the trusted leader in sequencing. NextSeq 1000 and 2000 Systems streamline workflows, enable flexibility across applications, and deliver consistent results in even the most demanding environments.



Leverage powerful technology for results you can trust



6500+

NextSeq Systems
placed worldwide

Tap into an unparalleled
global network of experts



450+

Public data sets

Validate, benchmark, and enrich
your findings with real use cases



60,500+

Publications

Onboard faster than ever
with existing methodologies



1.55M+

Citations

Achieve consistent performance
with the gold standard in sequencing

Maximize productivity with an intuitive workflow

Own your studies from start to finish with the NextSeq 1000 and 2000 Systems for a more controlled, streamlined workflow. With safeguards built in, you can count on accurate, reproducible results on every run.



1

Flexible library prep

Compatible with proprietary
solutions and third-party tools,
so you can easily customize
your workflows

2

Scalable sequencing

Fourteen reagent kit
configurations fit your exact
output, run time, and project
needs—all on one, versatile
platform

3

Automated analysis

Push-button access to
DRAGEN™ secondary analysis
delivers industry-leading
accuracy—at no extra cost

Power diverse applications with a single, multipurpose platform

Access a new level of versatility, from whole-exome sequencing to single-cell analysis. NextSeq Systems are compatible with third-party and proprietary end-to-end solutions for fully customizable workflows. Plus, they are adaptable to new assays and protocols, so you can confidently pivot to wherever your studies take you.

Application

Samples

Impact

Single-cell



1-18



Achieve single-cell resolution
of complex cell populations

Oncology



8-36



Assess hundreds of genes,
including relevant cancer
biomarkers, in a single assay

Exome



2-45



Achieve comprehensive coverage
of protein-coding regions to identify
genomic variants efficiently

mRNA



4-72



Capture both known and novel features
of the transcriptome

Immune
repertoire



20-80



Study the diversity and composition
of the immune system by identifying and
quantifying T- and B-cell receptor sequences



Invest in today's proven technology for tomorrow's innovations

Access proven innovations



2020

NextSeq 1000 and 2000 Systems launch



2021

New kit configurations land for targeted panels



2022

Longer read kits arrive for metagenomics
and immune repertoire profiling



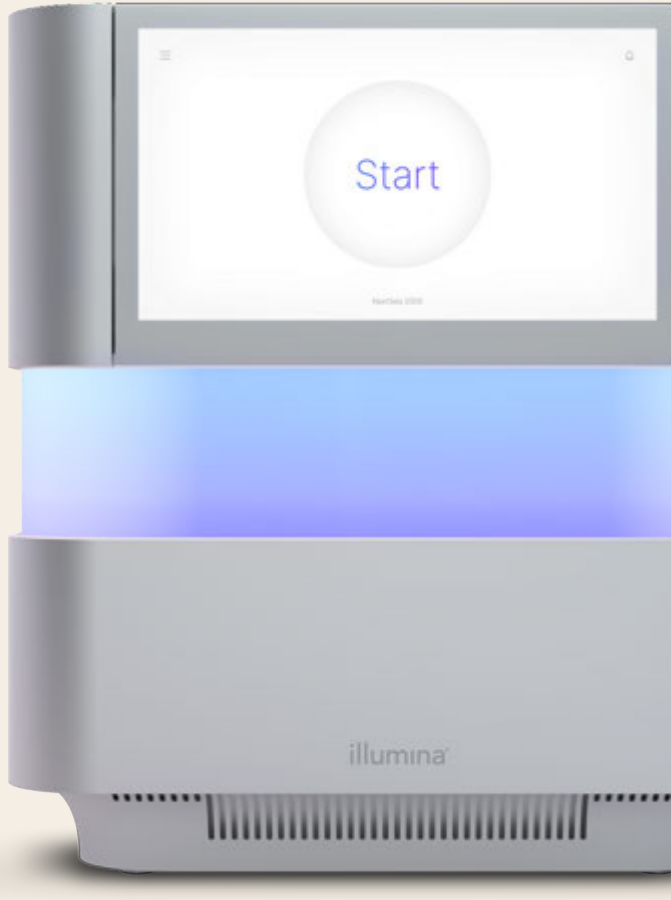
2024

XLEAP-SBS™ chemistry empowers faster, cheaper,
and higher quality sequencing
P4 flow cell promotes more data-intensive
sequencing applications



2025

Illumina Single Cell 3' RNA Prep provides accessible
single-cell sequencing
TruSight™ Oncology 500 portfolio enables in-house
comprehensive genomic profiling of tumors from
solid and liquid samples



Operate with complete confidence

NextSeq Systems are built for
precision and continuous performance,
delivering reliable results today for
tomorrow's advancements.



See where better sequencing can take your lab:
visit [illumina.com/NextSeq-Expertise](https://www.illumina.com/NextSeq-Expertise)