illumina®

Let your work flow.

The MiniSeq™ System. Our simplest, smallest, and most affordable solution yet.

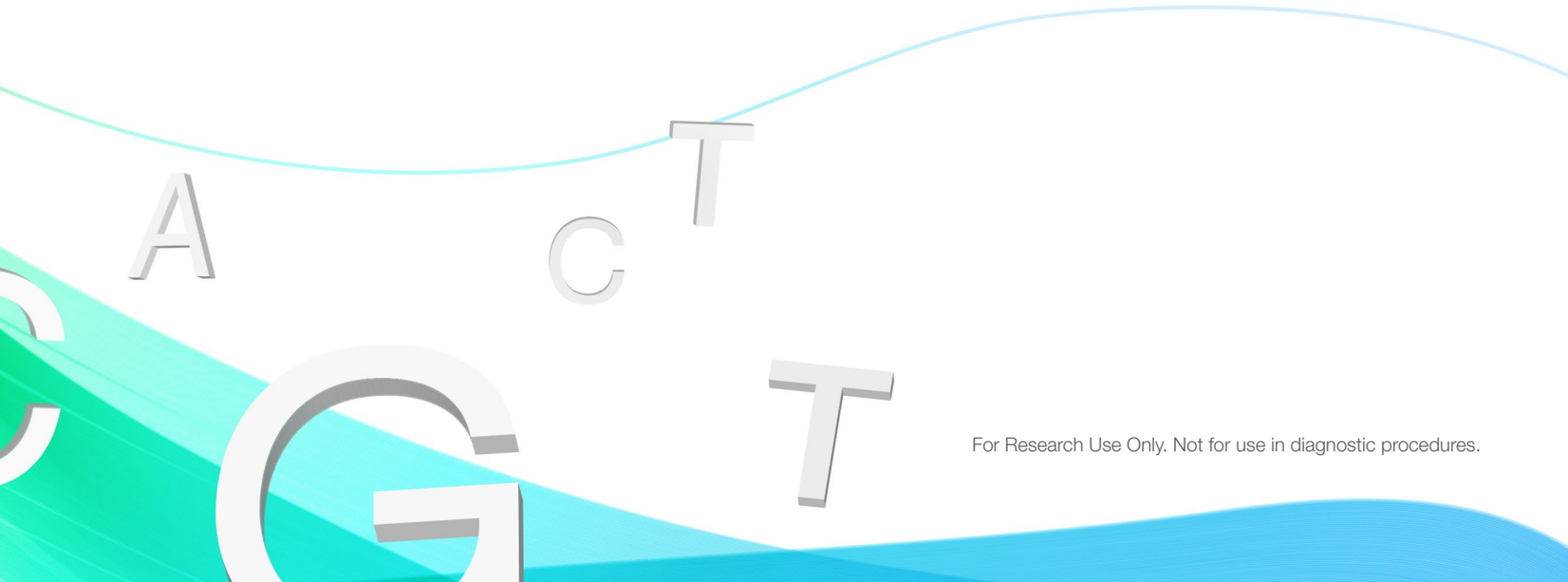

MiniSeq™
MiniSeq 1
Welcome to MiniSeq
Manage instrument
Sequence
Perform wash
illumina

Fits your work, your bench, and your budget.

Accessible sequencing. Flexible solution.

The proven power of Illumina sequencing is now more accessible than ever—in our simplest, smallest, most affordable solution.

The MiniSeq System is highly flexible, supporting a broad range of DNA and RNA applications with both predefined and custom panels. Now you can examine multiple targets or entire pathways in a single run, eliminating the iterative testing of Sanger sequencing and qPCR. And you can do it all cost effectively, sequencing from 1 sample to hundreds. This walk-away library-to-results solution puts you in control of your samples, schedules, and costs.



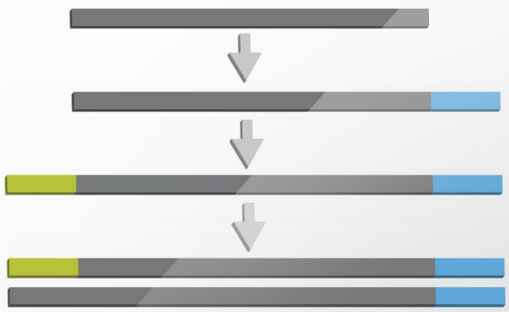
Discover simplified sequencing.

Load-and-go. Streamlined workflow.

Illumina sequencing at your fingertips. Every day.

Featuring an intuitive user interface, the MiniSeq System integrates clonal amplification, sequencing, and data analysis into a single instrument. All steps in the workflow are optimized for simplicity.

- Choose from a suite of library prep kits for a broad range of applications.
- Simplify sequencing.
  - Load and set up a run in less than 5 minutes.
  - Go from library-to-results in less than 7 hours.*
- Access intuitive data analysis tools onboard or in the Cloud.
- Rely on one partner for support across the entire workflow.



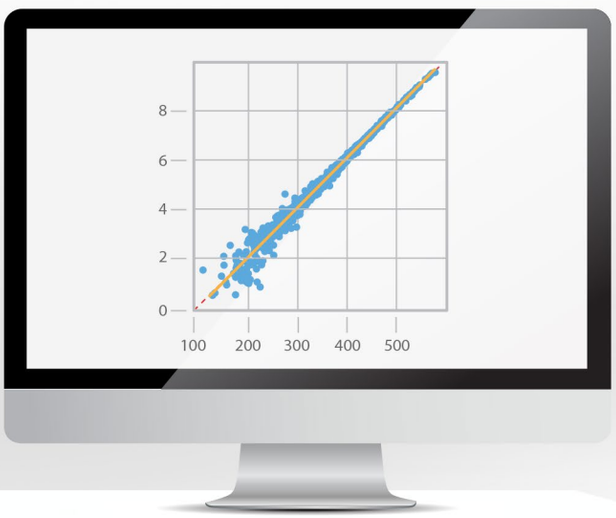
Prepare library

- TruSeq Library Prep Kits
- TruSight Library Prep Kits
- Nextera Library Prep Kits

* Time based on a 1 × 50-cycle sequencing run
For Research Use Only. Not for use in diagnostic procedures.

Complete, convenient, and compact.

- Streamline your workflow with 1 system, 1 cartridge for all reagents, and push-button ease.
- Get the power of Illumina sequencing in our smallest benchtop solution.
- Eliminate bulky peripherals.



Sequence

- MiniSeq System

Analyze data

- On System: Local Run Manager
- On Cloud: BaseSpace® Platform
- On Site: BaseSpace Platform
  VariantStudio

Take charge of sequencing.

Control samples. Manage timelines.

By sequencing in your lab with the MiniSeq System, *you* control the entire process.

- Retain the chain of custody for your samples.
- Decide how much of your samples are used, how they're used, and when.
- Sequence as soon as your samples are available—no long waits for batching.

The MiniSeq System puts you in control.

Save on the system and on every run.

Illumina sequencing at its most affordable.

- Run from 1 to hundreds of samples, cost-effectively.
- Eliminate the need for expensive ancillary equipment with onboard clonal amplification and analysis.
- Avoid costly, time-consuming, iterative testing of multiple genes.


MiniSeq™
Welcome to MiniSeq
Sequence
illumina

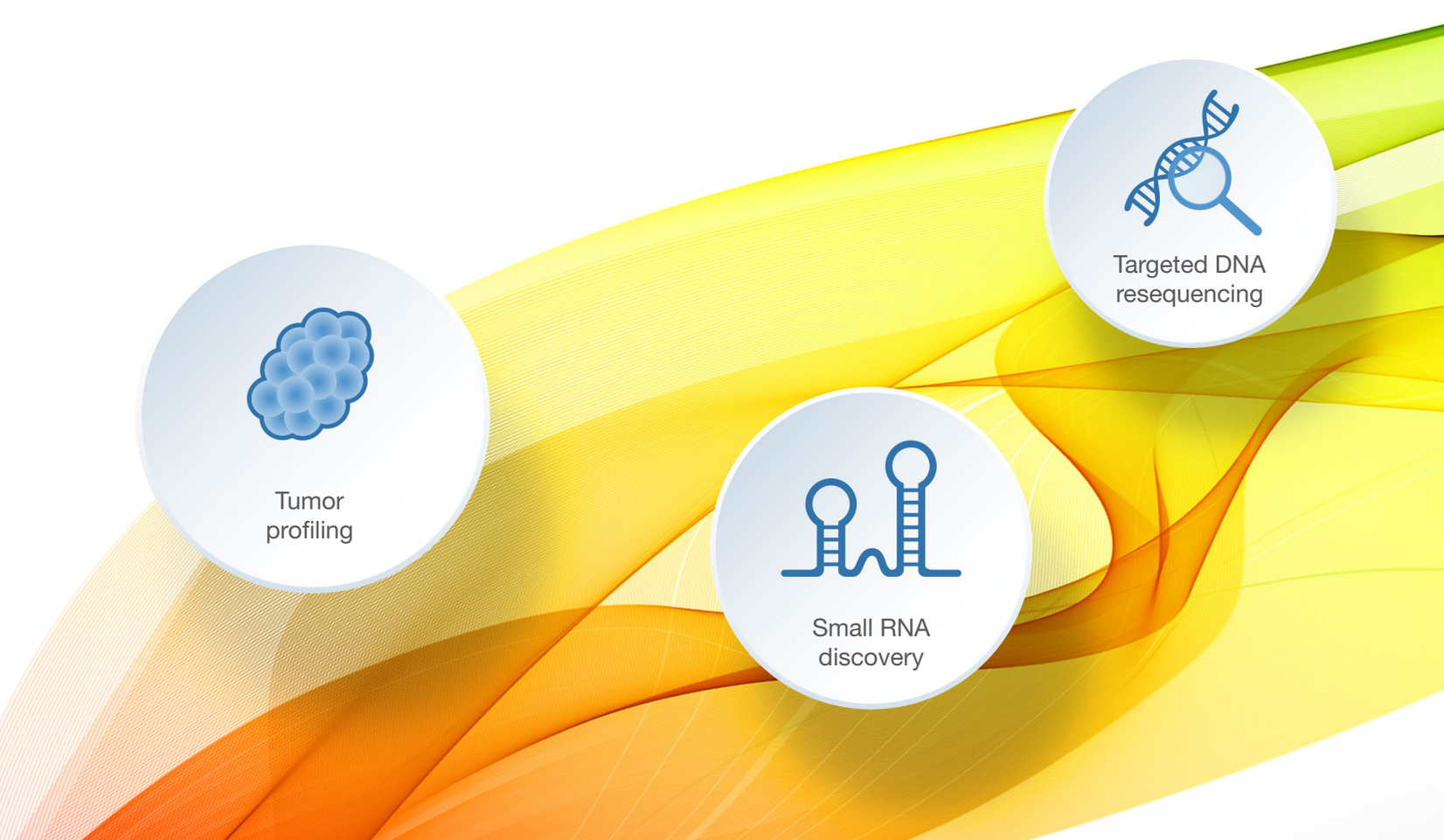
Flex your applications.

Cross-method versatility. Custom or fixed panels.

Transition easily between sequencing projects for both DNA and RNA applications.

Optimized workflows are available for a wide range of methods. The full suite of Illumina library preparation solutions support the MiniSeq System, ensuring compatibility across our entire portfolio of targeted sequencing solutions.

Easily scale up to even higher-throughput Illumina sequencing systems for the most demanding applications.




Targeted RNA sequencing
ChIP sequencing
Small-genome sequencing
Expression Profiling

Industry-leading sequencing.

Trusted technology. Highest confidence.

Scientists around the world demand reliable data quality. More than 90% of the world's sequencing data is generated using Illumina sequencing by synthesis (SBS) technology.*

- Exceptional accuracy and yield of error-free reads
- End-to-end support by Illumina scientists and engineers

The performance you need.

Every Illumina sequencing system leverages our proprietary cluster generation and SBS chemistry, the most widely adopted sequencing technology in the world. Using a single-base extension and competitive addition of nucleotides, SBS chemistry results in highly accurate sequencing that virtually eliminates homopolymer-related errors. You'll get optimal data quality and the utmost confidence in your results.

All systems perform fully automated paired-end sequencing, improving alignment and genome assembly, and enabling accurate detection of structural variants, gene fusions, and transcript isoforms.

* Data calculations on file. Illumina, Inc., 2015.
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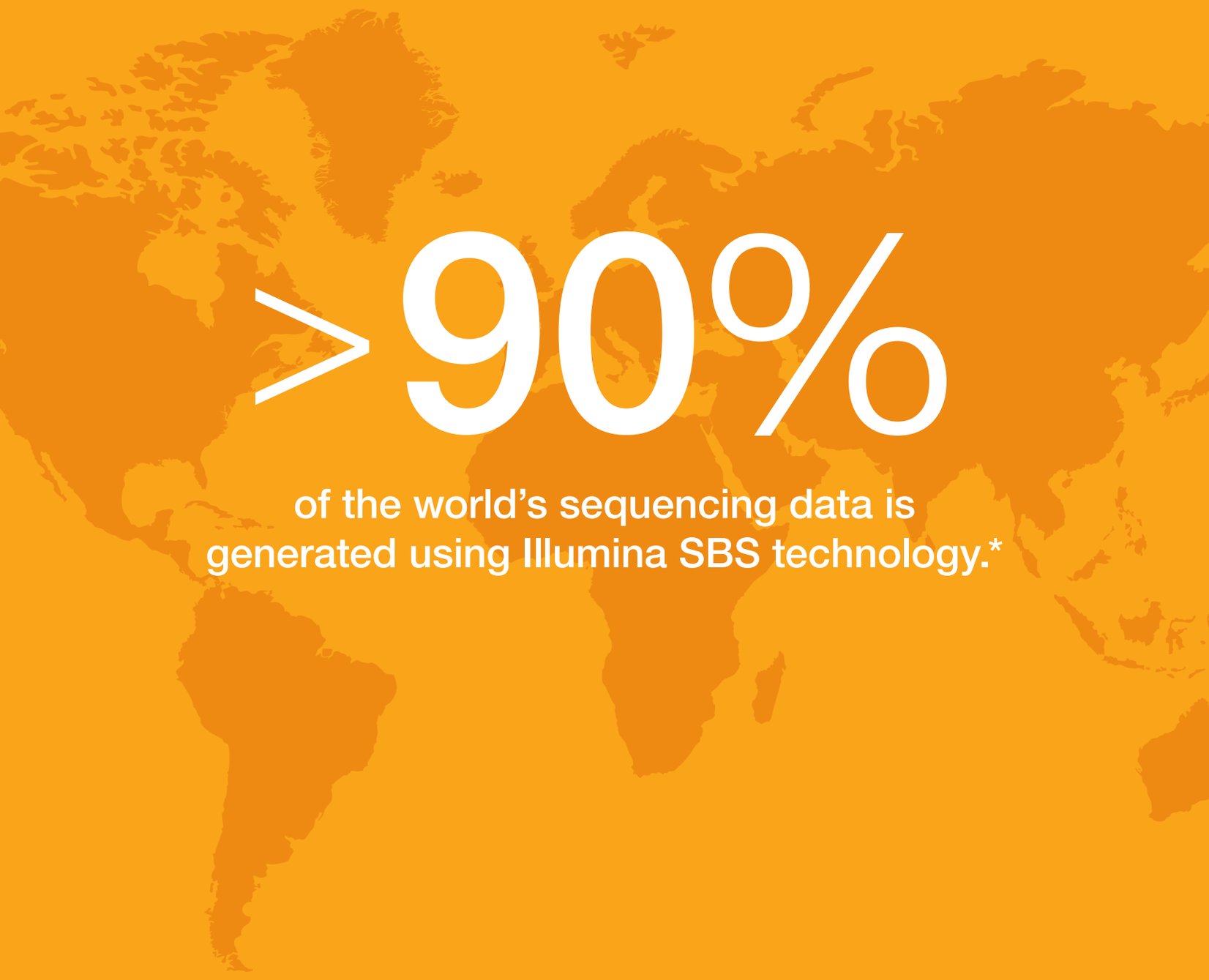

>90%

of the world's sequencing data is generated using Illumina SBS technology.*

Industry-leading solutions.

A community of support.

From library prep, arrays, and sequencing to informatics, Illumina genomic solutions empower researchers and clinical researchers across the globe to find the answers they seek.

When you join the Illumina community, you become part of a dynamic scientific movement that includes thousands of researchers and industry thought leaders. Throughout the year, we host user group meetings, symposia, consortia, online forums, and other initiatives—all designed to bring the best minds together to share ideas and advance science.

In addition to on-site training, ongoing support, and phone consults, we offer webinars and courses at various Illumina locations. We're here with all the resources you need to accelerate progress.

Achieve the potential of the MiniSeq System with confidence. For a personalized consultation or additional information, contact your Illumina representative or visit **www.illumina.com/miniseq**.

A global genomics leader, Illumina provides complete next-generation sequencing workflow solutions to the basic and translational research communities. Illumina technology is responsible for generating more than 90% of the world's sequencing data.* Through collaborative innovation, Illumina is fueling groundbreaking advancements in the fields of oncology, reproductive health, genetic disease, microbiology, agriculture, and forensic science.

*Data calculations on file. Illumina, Inc., 2015.

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