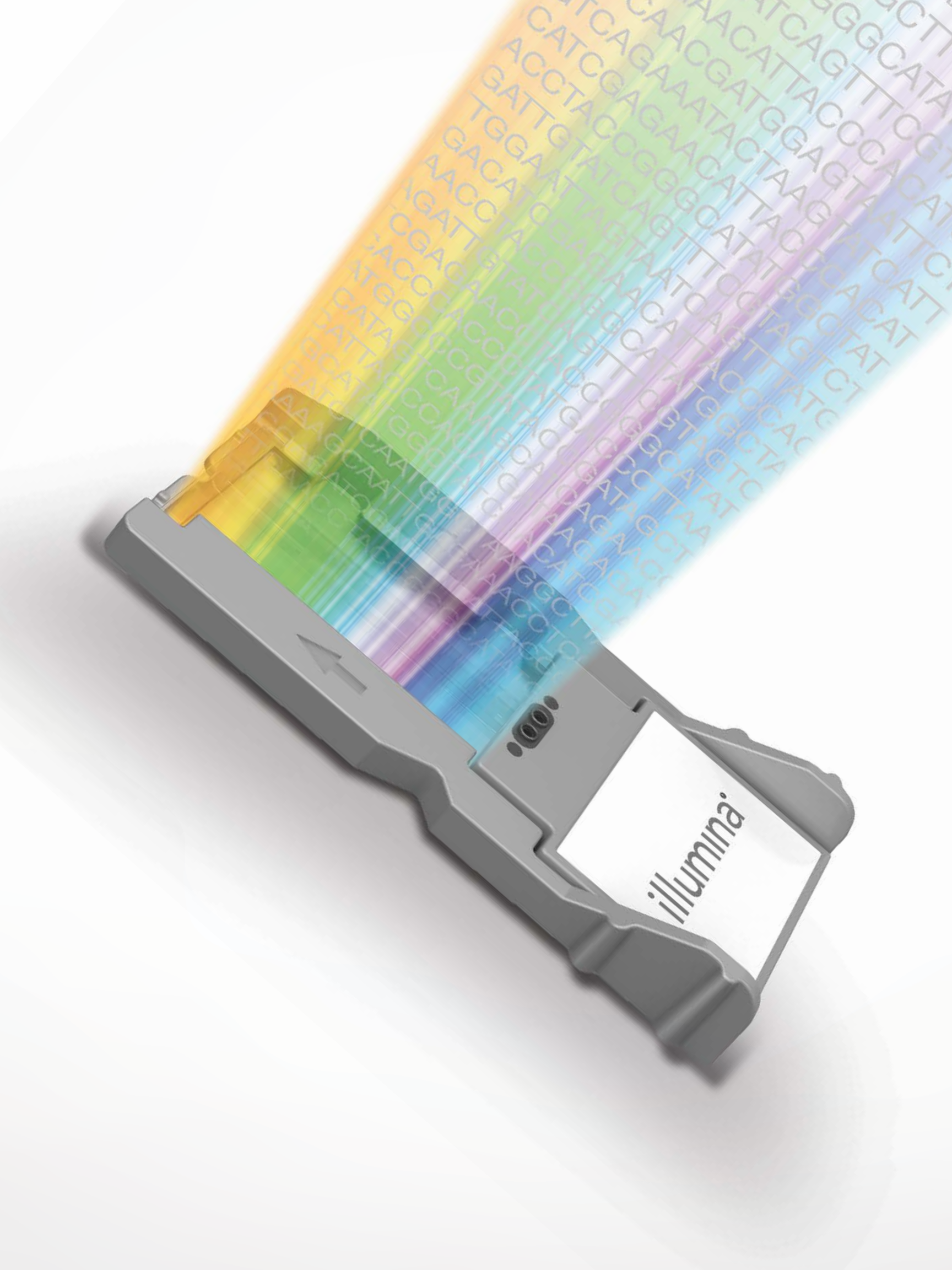


Focused power. Proven data quality.

The MiSeq® Desktop Sequencing System. Speed and simplicity for targeted resequencing and small-genome sequencing.







Experience world-class data accuracy and ultra-simplicity.

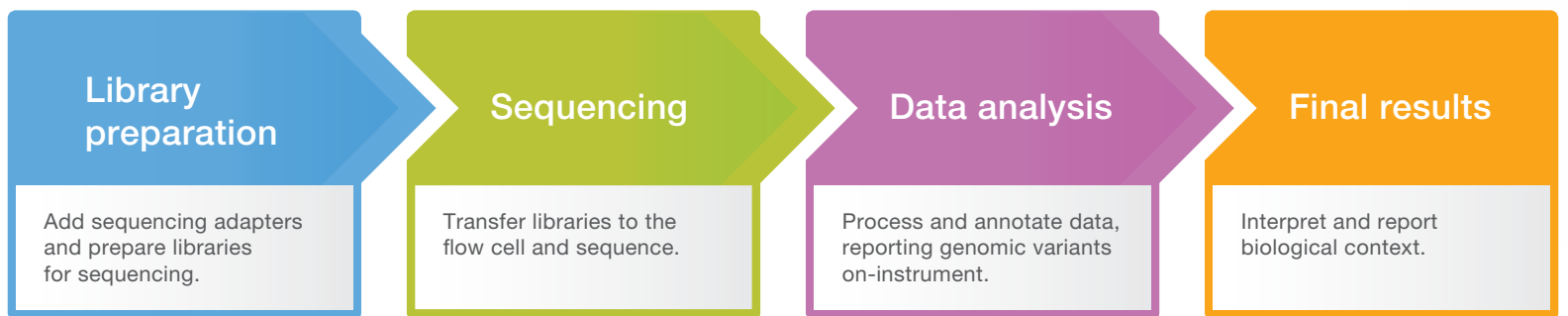
Easy workflow. Extensive applications.

Discover incredible workflow simplicity across a breadth of applications. Combining speed, high-quality data, and the longest paired-end read lengths, the MiSeq System is ideal for targeted resequencing and small-genome sequencing. Optimized sample preparation kits, a streamlined next-generation sequencing (NGS) workflow, and automated, on-instrument data analysis make push-button sequencing possible. Go from sample to data in a single day.

Ease into a simple NGS workflow.

Streamlined integration. Accelerated breakthroughs.

The MiSeq System is defined by its speed and simplicity. Its workflow is easy to use, automated, and fast. It can go from DNA to data in just over 8 hours. A compact, all-in-one platform, the MiSeq System was the first desktop sequencer to incorporate cluster generation, paired-end fluidics, sequencing by synthesis (SBS) chemistry, and complete on-instrument data analysis. An intuitive touchscreen and convenient plug-and-play reagents with radio frequency identification (RFID) tracking make it easy to operate. The MiSeq System eliminates the need for auxiliary hardware and computing resources, saving time and valuable bench space.









Expand your explorations.

Far-reaching applications.

- Targeted resequencing
- Small-genome sequencing
- 16S metagenomics
- RNA sequencing
- Human leukocyte antigen (HLA) sequencing
- Forensics
- Preimplantation genetic screening (PGS)
- Preimplantation genetic diagnosis (PGD)



Leverage integrated bioinformatics.

Easy analysis. Fast results.

The MiSeq System is the first desktop sequencer to offer a fully integrated sequencing ecosystem. The intuitive MiSeq Control Software guides you through the steps to start your sequencing run. The MiSeq Reporter Software performs secondary data analysis, delivering information on alignment and variants.

Also, you can easily access the BaseSpace® Platform computer through your MiSeq System.

Now, you can monitor your data in real time during your sequencing run, collaborate with colleagues, and view quality performance metrics from any mobile device.

Upon run completion, the BaseSpace Platform automatically initiates the preselected analysis and runs the report. In just a few hours, it's at your fingertips.

Data analysis has never been easier.



Maximize performance and productivity.

Services from product care to training to personalized consulting.

Illumina service and support teams provide a full suite of accurate and expedient solutions to enable researchers to find the answers they seek while delivering the peace of mind that comes from exceptional customer service. Whether you are looking to jump-start the implementation of your sequencing workflow, to provide additional training for your team, or to access more strategic consulting options, Illumina can help.

We give you full flexibility—we can customize our offerings to fit whatever your needs are. Our offerings include:

Product care services

- Tiered instrument service plans, plus add-on services
- Compliance services
- On-demand services

Illumina University training

- Instructor-led training
- Online courses
- Webinars

Illumina consulting

- Proof-of-concept services for instrument and library preparation testing
- Concierge services for design assistance and product optimization

The gold standard in data quality.

Proven technology. Highest confidence.

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

- Benefit from exceptional accuracy.
- Get the highest yield of error-free reads.



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



> 90%

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

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

World-class solutions.

A community of support.

From sample prep, library prep, arrays, and sequencing to informatics, Illumina next-generation 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.

Learn more about the focused power of the
MiSeq System at www.illumina.com/miseq.

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.

Illumina • 1.800.809.4566 toll-free (US) • +1.858.202.4566 tel • techsupport@illumina.com • www.illumina.com

For Research Use Only. Not for use in diagnostic procedures.

© 2015 Illumina, Inc. All rights reserved. Illumina, BaseSpace, MiSeq, and the pumpkin orange color are trademarks of Illumina, Inc. and/or its affiliate(s) in the US and/or other countries. All other names, logos, and other trademarks are the property of their respective owners. Pub. No. 1270-2014-005 Current as of 25 September 2015

illumina[®]