

# MiSeq™ i100 Series

## The standard in sequencing **simplicity**

The MiSeq i100 Series delivers breakthrough simplicity, our fastest run times yet, comprehensive analysis, and significant sustainability advancements. Empowering every lab, everywhere.



### Simplest

Three-step setup; onboard cluster generation and onboard denaturation; no post-run washes; sample-to-analysis workflows with onboard DRAGEN™ analysis

### Fastest

Same-day results with runs as fast as 4 hr and < 2 hr onboard secondary analysis for most applications

### Sustainable

Room-temperature shipment and storage of consumables, 85% reduction in packaging waste, compared to the MiSeq System

## MiSeq i100 Series as compared to MiSeq System

**4x**

Faster  
turnaround times

**4x**

Increase in  
data output

**60%**

Reduction in  
setup time

## Faster, flexible sequencing

The MiSeq i100 Series provides same-day results, with run times from 4 to 15.5 hours. There are up to 10 reagent configurations across multiple flow cells supporting scalable throughputs and deeper sequencing across multiple applications.

### MiSeq i100 System

Max output: 15 Gb  
Max read: 25M

### MiSeq i100 Plus System

Max output: 30 Gb  
Max read: 100M

Product	Availability
MiSeq i100 System	2025
MiSeq i100 Plus System	Now
5M Flow Cell (3 Gb)	Now
25M Flow Cell (15 Gb)	Now
50M Flow Cell (30 Gb)	2025
100M Flow Cell (30 Gb)	2025



**100M**  
Max reads

**30 Gb**  
Max output

**100**  
Small whole  
genomes per run

**384**  
Targeted gene  
sequences per run\*

\*Reads per sample, therefore sample plexity dependent on panel and desired coverage

## Impossibly **simple** sequencing

Sequencing is easier than ever. The MiSeq i100 Series workflow has been optimized from setup to analysis to minimize the hands-on time, expertise, and resources required to perform sequencing.

### Have confidence in your results

The MiSeq i100 Series has sample-to-analysis workflows, including library prep kits, enrichment panels (where applicable), and DRAGEN secondary analysis providing comprehensive data summaries for select infectious disease, microbiology, and oncology applications, generating results in two hours or less.

- Compatible library prep kits and probe panels streamline experiment planning
- Prebuilt DRAGEN pipelines simplify analysis minimizing bioinformatic expertise requirements
- Compare results to publicly available data sets to boost confidence



## Unprecedented **sustainability**

More science, less environmental impact. The MiSeq i100 Series incorporates groundbreaking sustainability innovations enhancing the user experience.

- Room-temperature shipping requires no dry ice and no ice packs
- Room-temperature storage consumables does not require thawing, expediting setup time and saving freezer space
- 85% reduction in packaging waste minimizes time for unboxing and discarding waste
- Recyclable plastics and buffer cartridges significantly reduce plastic waste and simplify disposal

## Leader in technology, leader in **trust**

Committed to enabling next-generation sequencing (NGS) in every lab, everywhere, Illumina has a relentless commitment to innovation and building future NGS capabilities and applications. Over the past decade, the MiSeq System has shipped over 10,000 units globally and been cited in over 160,000 peer-reviewed publications\*. The MiSeq i100 Series continues to demonstrate our commitment to increasing access to genomics by delivering the fastest, simplest benchtop sequencing.

### Dedicated to customer success

Illumina strives to be the best partner possible, from developing groundbreaking genomics innovations to providing the ultimate user experience and exceptional customer service. With a global presence, you can rely on our support to facilitate your success.

- Global support team to help you set up your instrument and achieve operational excellence quickly
- Access a full set of products and expertise for the entire sequencing workflow, as well as a peer network of over 20,000 Illumina NGS systems
- Worldwide tech support, 5 days a week via phone, online 24/7, and in multiple languages with rapid response times
- Global infrastructure ensuring excellent product consistency, supply, and quality

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