

## MiSeq™ i100 Series

# Powerful, simple sequencing for microbiology and infectious disease research

Access the simplest, fastest benchtop sequencing system providing highly accurate data for microbiome insights, novel virus tracking, and more.

The MiSeq i100 Series is here.

Gain more genomic insights and discovery power than you ever thought possible

## Rapidly uncover insights in your lab

Using the MiSeq i100 Series is as easy as...

1

### Simple, intuitive setup

Expedite setup with room-temperature, no-thaw consumables, and three step sample loading in under 20 minutes.

2

### Efficient workflow

Sample-to-analysis workflow means less hands-on time and simplified data analysis, which helps reduce the need for bioinformatics expertise.

3

### Accurate, same-day results

Industry standard accuracy delivered in a single shift; start sequencing in the morning and complete the run and analysis the same day.

Designed for efficient lab operations with reliable results



**Intuitive interface** for easy navigation



**Simplified onboarding** for new users and applications



**Minimal hands-on time** throughout the workflow—saving time, resources, and money



From single pathogen to microbial discovery, the MiSeq i100 Series brings a new level of flexibility for microbiologists in every lab

## More applications enable more possibilities

With multiple reagent kits available, supporting a wide range of throughputs, labs can cost-effectively process samples at any scale.

Flow cell options:<sup>1</sup>

Microbial community diversity analysis



5M



48

Microbiomes analyzed with 16S rRNA sequencing<sup>2</sup>

Foodborne pathogen surveillance



25M



48

Bacterial isolates characterized<sup>3</sup>

Early detection pathogen surveillance



50M



12

Wastewater samples analyzed for pathogen variants and AMR genes<sup>4</sup>

Taxonomic classification and microbial discovery



100M



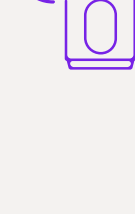
10

Environmental samples profiled with metagenomics<sup>5</sup>



Achieve high-quality data in a single shift

Powered by XLEAP-SBS™ chemistry, our fastest, highest-quality chemistry, sequencing run times are as fast as four hours. And with onboard secondary analysis, results can be generated in a single day.



### Improved run times

Single shift vs 2.5 days<sup>6</sup>

### Accurate, efficient analysis

Onboard DRAGEN™ software and access to a full suite of cloud-based analysis apps



Now labs of all sizes can bring proven sequencing in house

## Increased accessibility for improved outputs

### Sample-to-analysis workflow solutions

Workflows include library preparation kits, panels, sequencing on the MiSeq i100 Series, and preconfigured DRAGEN secondary analysis.

**Streamline** experimental planning with preselected library prep kits and targeted gene panels

**Simplify** data analysis with access to preconfigured pipelines, helping reduce need for bioinformatics expertise

**Increase** confidence in your data with access to data sets in BaseSpace™ Sequence Hub



### Room-temperature shipping and storage



**XLEAP-SBS reagents** help deliver remarkable sustainability and user experience benefits



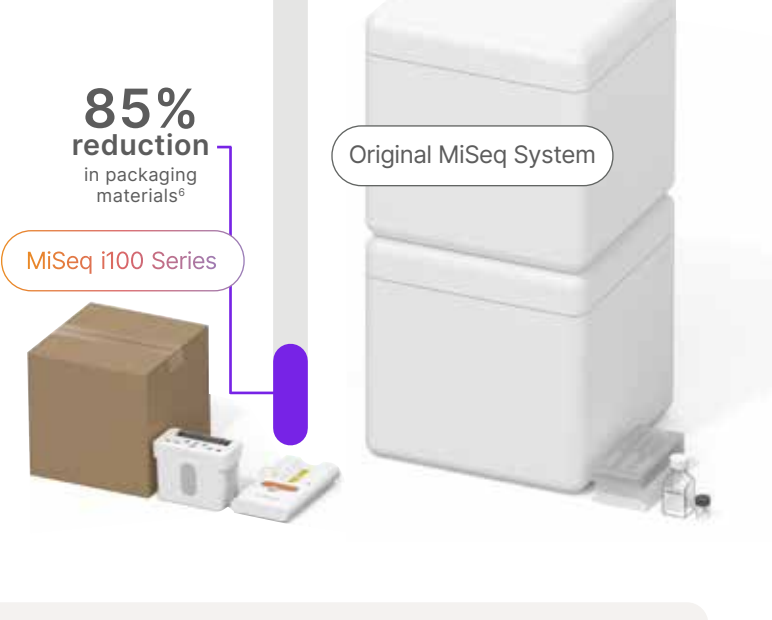
**No dry ice**, no cold packs, and no freezer storage required



**85% reduction** in packaging materials<sup>6</sup> and easy disposal for most parts



**Simple setup** and quick access from shelf storage optimizes uptime with no thawing required



**“This instrument will have such a big impact on our microbial profiling and plasma sequencing services. It’s going to enable faster sequencing at a lower cost but also really high-quality data.”**

— Christopher Nouné  
National Laboratory Operations Manager  
Australian Genome Research Facility

illumina innovation drives approachable NGS for high-quality sequencing, within everyone's reach

## Designed for every lab, everywhere

Your trusted partner in genomics

10K+

MiSeq Systems installed

160K+

MiSeq Systems publications<sup>7</sup>

150+

Countries served

600+

Global experts

Sequence confidently with global support services



**Regional teams** offer local access with in-country, multilingual customer service



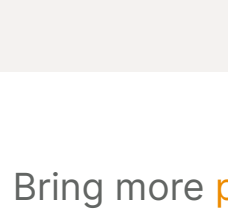
**Technical assistance** is available to help with instrument setup and experimental support



**Worldwide peer network** delivers additional support and insights



**Broad training options** available online and in person to support your experimental needs



97%

customer satisfaction score<sup>8</sup>

Bring more possibilities to your lab

Learn how the simplicity and flexibility of the MiSeq i100 Series from Illumina enables microbial and infectious disease researchers to gain insights and answers with unbelievable speed and accuracy.

What will you discover next?

[illumina.com/MiSeqi100](https://illumina.com/MiSeqi100)

