

PRODUCTS

MiSeq Reagent Kits v2

Reagent kits that provide increased cluster density and read length for the MiSeq System, improving sequencing quality scores compared to v1 kits.

MiSeq System specification sheet

Data sheet | PDF < 1 MB | 9 versions



Feedback

Learn Order

More product details



Order Status

Products

Meet the MiSeq i100 Series

Overview

MiSeq Reagent Kits v2 enable more output to simplify each MiSeq run. MiSeq Reagent Kits v2 retain the same pre-filled, ready-to-use reagent cartridges as the v1 kits but offer improvements in data quality and allow various formats for low-output applications.

Faster cycle times to deliver rapid and cost-effective turnaround time of sequencing applications

Twice the number of reads through dual surface imaging to support a wide range of applications

Standard, micro, and nano configurations enable alignment to specific project requirements and scalable levels of output

Radio-frequency identification (RFID)–encoded consumables to ensure reagent traceability and compatibility

MiSeq Reagent Kit	Single reads ^a	Paired-end reads ^a	Kit size (cycles)	Output (max.)	2 × 250 Output	2 ×
MiSeq Reagent Kit v2	12–15M	24–30M	50, 300, 500	8.5 Gb	7.5–8.5 Gb	4.5
MinSeq Reagent Micro Kit v2	4M	8M	300	1.2 Gb	N/A	1.2
MiSeq Reagent Nano Kit v2	1M	2M	300, 500	500 Mb	500 Mb	300

^a. Install specifications based on Illumina PhiX control library at supported cluster densities between 467–583 k/mm2 clusters passing filter for v2 chemistry and 727–827 k/mm2 clusters passing filter for v3 chemistry. Actual performance parameters may vary based on library type, library quality, and clusters passing filter.

Specifications

Learn

Order

More product details

Feedback

Reagent type

Paired-end sequencing, Cluster generation, Sequencing by synthesis

Technology

Sequencing

FAQ

How does the MiSeq Reagent Kit v2 work?



How many reads per run are possible with a MiSeq v2 Reagent Kit?



What is the difference between MiSeq reagents v2 and v3?



Feedback

Learn Order

More product details





Speak with a specialist

If you currently own a MiSeq System, you may be eligible for a promotion on one of the following instruments: MiSeq i100 Plus System, NextSeq 1000 System, or NextSeq 2000 System*. Experience a simpler workflow with dry instrumentation, easier run set up, expanded output, and faster secondary analysis. Complete this form to contact a sales representative and see if you are eligible.

* These promotional programs are available for a limited time. Terms and conditions apply.

Get in touch

Frequently purchased



NovaSeq X Series ordering

Advanced chemistry, optics, and informatics combine to deliver exceptional sequencing speed and data quality, outstanding throughput, and scalability.



MiSeq Reagent Kit

Optimized reagent kit sequencing quality sc

Feedback

Learn Order

More product details





Order Status



Products

For Research Use Only

Not for use in diagnostic procedures (except as specifically noted).

Get in touch

[Careers](#) [Contact Us](#)



INNOVATIVE TECHNOLOGIES

At Illumina, our goal is to apply innovative technologies to the analysis of genetic variation and function, making studies possible that were not even imaginable just a few years ago. It is mission critical for us to deliver innovative, flexible, and scalable solutions to meet the needs of our customers. As a global company that places high value on collaborative interactions, rapid delivery of solutions, and providing the highest level of quality, we strive to meet this challenge. Illumina innovative sequencing and array technologies are fueling groundbreaking advancements in life science research, translational and consumer genomics, and molecular diagnostics.

All trademarks are the property of Illumina, Inc. or their respective owners.
For specific trademark information, see www.illumina.com/company/legal.html.

[Cookie Management Center](#) [Privacy Policy](#)

© 2025 Illumina, Inc. All rights reserved.

Feedback

[Learn](#) [Order](#)

More product details

