

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



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## 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 <sup>a</sup>	Paired-end reads <sup>a</sup>	Kit size (cycles)	Output (max.)	2 × 250 Output	2 ×
<b>MiSeq Reagent Kit v2</b>	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 <b>Nano</b> Kit v2	1M	2M	<b>300, 500</b>	<b>500 Mb</b>	500 Mb	300

a. Install specifications based on Illumina PhiX control library at supported cluster densities between 467–583 k/mm<sup>2</sup> clusters passing filter for v2 chemistry and 727–827 k/mm<sup>2</sup> clusters passing filter for v3 chemistry. Actual performance parameters may vary based on library type, library quality, and clusters passing filter.



## Specifications

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**Reagent type**

Paired-end sequencing, Cluster generation, Sequencing by synthesis

**Technology**

Sequencing

## FAQ

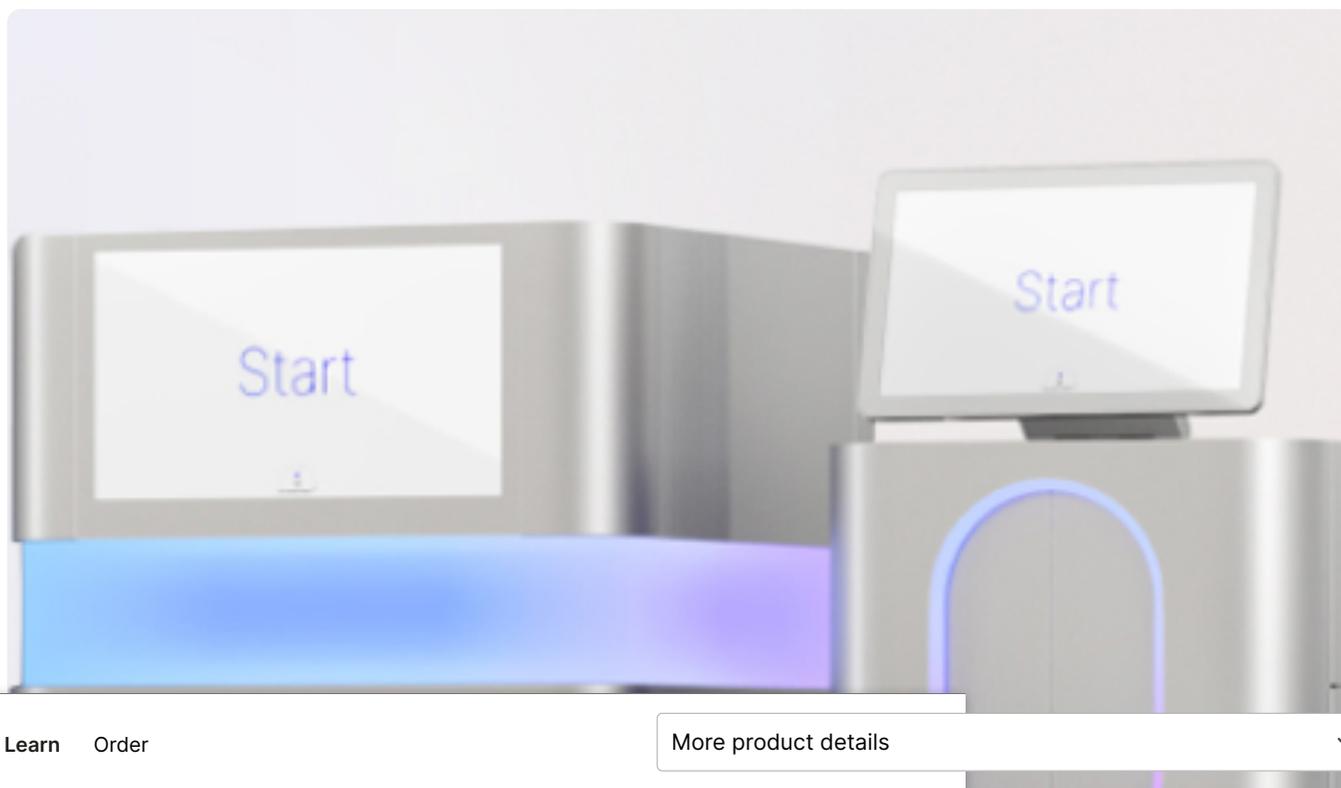
How does the MiSeq Reagent Kit v2 work?



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



What is the difference between MiSeq reagents v2 and v3?



Products



### 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.

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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

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For Research Use Only

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

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