

PRODUCTS

MiSeq Reagent Kit v3

Optimized reagent kit that provides increased cluster density and read length, improving sequencing quality scores compared to earlier versions.

MiSeq System specification sheet

Data sheet | PDF < 1 MB | 9 versions



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Meet the MiSeq i100 Series



Overview

MiSeq Reagent Kits v3 enable the highest output of all MiSeq kits. The v3 kits retain the same pre-filled, ready-to-use reagent cartridges as the v1 and v2 kits, but offer improvements to enable increased cluster density and read length, as well as higher Q30 scores. The v3 kits offer:

High-quality sequencing and a broader range of sequencing applications on the MiSeq System

Double the amount of output per **flow cell** and an increase in read lengths

An increase in the number of single and paired-end reads to support a wide range of applications

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

Updated system software unlocks the full benefits of the v3 kits. **Access the latest software.**

This product is also available as an Illumina Advantage (TG) product. Illumina Advantage large-scale sequencing products feature lot-specific shipments and testing, extended shelf life, and advanced change notifications for greater laboratory efficiency.



Specifications

Instruments

MiSeq System, MiSeqDx in Research Mode

Maximum output

15 Gb (600-cycle), 3.8 Gb (150-cycle)

Maximum reads per run

Up to 25M

Nucleic acid type

DNA, RNA

Reagent type

Paired-end sequencing, Cluster generation, Sequencing by synthesis

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FAQs

What is a MiSeq flow cell?



What is the difference between MiSeq v2 and v3 reagents?



How many samples can you load in one run using MiSeq Reagent Kit v3?



Are MiSeq v3 kits compatible with all Illumina sample prep kits?



How long does a MiSeq v3 run take?



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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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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 that delivers high sequencing quality scores.

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Products

For Research Use Only

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

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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.

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