

HiSeq v4 System Upgrade Information Sheet

As part of Illumina's commitment to developing the latest innovation and technology, we are offering a software and firmware upgrade for eligible HiSeq systems enabling increased data output and total number of reads while significantly reducing run times.

Key Upgrade Features

- 1 New HiSeq v4 reagents enable up to 1 terabase (Tb) of total output on enabled instruments run in High Output mode.
- 2 Support of up to 2 x125 bp read lengths for High Output mode
- 3 Decreased run times – 6 days for 2x125 bp run
- 4 Increased number of reads – up to 4 Billion single reads per 2 flow cell run
- 5 Support of low diversity samples
- 6 Full support of dual indexing workflow – no additional SBS reagents required

Software Upgrade Features

Upgrade Software	Software Function	Benefits
HiSeq Control Software v2.2.37	<ol style="list-style-type: none"> 1. Support of new HiSeq v4 reagents 2. Decreased run time 3. Low diversity function 	<ol style="list-style-type: none"> 1. Increased data output 2. Faster time to answer 3. Removes the need for a control lane
Updated FPGA	Enables increased speed of system	Reduced run times

New Chemistry Features

Catalog Number	Description
GD-401-4001	HiSeq SR Cluster Kit v4 – cBot™ - HS
PE-401-4001	HiSeq PE Cluster Kit v4 – cBot™ - HS
FC-401-4001	HiSeq SBS Kit v4 (50 Cycle)
FC-401-4003	HiSeq SBS Kit v4 (250 Cycle)

Compatible systems

System	Serial Number
HiSeq 2500	SN# D00101 or higher
HiSeq 1500	SN# C00101 or higher
HiSeq 2000	SN# 7001403 or higher
Field Upgraded HiSeq 2500	SN# 7001403 or higher
Field Upgraded HiSeq 1500	SN# L179 or higher

The upgrade process takes approximately a day to complete and includes installation of SW and FPGA, no additional hardware installation is required. System upgrade is validated and configuration is confirmed.

Your Field Service Representative will contact you before your upgrade to confirm exactly when he or she will be on site to perform the upgrade. If your scheduled time becomes inconvenient, at any time, please contact Customer Service at instrumentservice@illumina.com to reschedule your system upgrade