







## HiSeq 2000 Information

### HiSeq 2000 Performance Parameters\*

Read Length	Run Time	Output
1 × 35 bp	~1.5 days	26–35 Gb
2 × 50 bp	~4 days	75–100 Gb
2 × 100 bp	~8 days	150–200 Gb

\*Sequencing output generated with a PhiX library and cluster densities between 260,000–347,000 clusters/mm<sup>2</sup> that pass filtering on a HiSeq 2000.

#### Throughput

Up to 25 Gb per day for a 2 × 100 bp run.

#### Reads

Up to one billion clusters passing filter, and up to two billion paired-end reads.

#### Performance

HiSeq 2000 provides the greatest yield of perfect reads and bases greater than Q30:

Greater than 90% bases higher than Q30 at 2 × 50 bp\*\*

Greater than 85% bases higher than Q30 at 2 × 100 bp\*\*

\*\*Human genome at supported cluster densities

#### Service and Support

Illumina will ensure that your HiSeq 2000 is properly installed and qualified, and will provide ongoing maintenance and service. This industry-leading support is available in North America, Europe, and Asia.

### HiSeq 2000 Kits and Accessories

Application	Catalog No.
HiSeq 2000 Sequencing System	SY-401-1001
cBot Clonal Amplification System	SY-301-2002
Paired-End DNA Sample Prep Kit	PE-102-1001
Genomic DNA Sample Prep Kit	FC-102-1001
HiSeq Paired-End Cluster Generation Kit	PE-401-1001
HiSeq Single-Read Cluster Generation Kit	GD-401-1001
HiSeq Sequencing Kit (200 cycles)	FC-401-1001
HiSeq Sequencing Kit (50 cycles)	FC-401-1002

### HiSeq 2000 System Specifications With Monitor and PC

#### Catalog No. SY-401-1001

#### Instrument Configuration

CE marked and ETL listed instrument (HiSeq 2000 only)  
Computer and touch screen display  
Installation setup and accessories  
Data collection and analysis software

#### Instrument Control Computer

Base Unit: 2x Intel Xeon X5560 2.8 GHz CPU  
Memory: 48 GB RAM  
Hard Drive: 4x 1.0 TB 7200 RPM SATA  
Operating System: Windows Vista  
Note: Computer specifications will be regularly upgraded.  
Contact your local account manager for current configuration.

#### Operating Environment

Temperature: 22°C ± 3°C  
Humidity: Non-condensing 20%–80%  
Altitude: Less than 2,000 m (6,500 ft)  
Air Quality: Pollution degree rating of II  
Ventilation: Maximum of 4,000 BTU/h  
For Indoor Use Only

#### Laser

532 nm, 660 nm, 700–840 nm, 650 nm (barcode reader)

#### Dimensions

WxDxH: 118.6 cm × 76.0 cm × 94.0 cm  
(46.7 in × 30.0 in × 37.0 in)  
Weight: 221.4 kg (488 lbs)  
Crated Weight: 312 kg (688 lbs)

#### Power Requirements

100–240V AC 50/60Hz, 20A, 1500W

Illumina provides a region-specific uninterruptible power supply with the HiSeq 2000 instrument.

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