

HiSeq System Performance Parameters		
Parameters	Single Flow Cell (HiSeq 2000)	
Read Length	Run Time	Output
1 × 35 bp	~1.5 days	47–52 Gb
2 × 50 bp	~4.5 days	135–150 Gb
2 × 100 bp	~8.5 days	270–300 Gb
Reads	Up to 1.5 billion clusters passing filter, equivalent to 3 billion paired-end reads/flowcell, and up to 150-200 single reads/lane.	
Performance	Greater than 85% bases higher than Q30 at 2 × 50 bp* Greater than 80% bases higher than Q30 at 2 × 100 bp*	

*Install specifications for HiSeq sequencers with an Illumina PhiX library and cluster densities between 610 – 678 K/mm² that pass filtering on a HiSeq system using TruSeq v3 Cluster and SBS kits for HiSeq. Performance may vary based on sample quality, cluster density, and other experimental factors. Paired 100 bp runs may vary in the range of 80 to 90% of bases above Q30 and paired 50 bp runs typically vary in the range of 85 to 95% bases above Q30 based on the above factors.