

# Illumina HiSeq 4000



**Table 1: Performance Parameters of the HiSeq 3000/4000 Systems.<sup>a</sup>**

	HiSeq 3000 System	HiSeq 4000 System
Number of Flow Cells per Run	1	1 or 2
Output <sup>b</sup>		
2 × 150 bp	630–750 Gb	1300–1500 Gb
2 × 75 bp	315–375 Gb	650–750 Gb
1 × 50 bp	105–125 Gb	215–250 Gb
Clusters Passing Filter (Single Reads)	2.1–2.5 billion	4.3–5 billion
Quality Scores	≥ 75% of bases above Q30 at 2 × 150 bp	≥ 75% of bases above Q30 at 2 × 150 bp
Daily Throughput	> 200 Gb	> 400 Gb
Run Time	< 1–3.5 days	< 1–3.5 days
Human Genomes per Run <sup>c</sup>	up to 6	up to 12
Exomes per Run <sup>d</sup>	up to 90	up to 180
Transcriptomes per Run <sup>e</sup>	up to 50	up to 100
Supported Library Prep Kits	<b>DNA:</b> TruSeq <sup>®</sup> Nano DNA, TruSeq PCR-Free DNA <b>RNA:</b> TruSeq RNA v2, TruSeq mRNA Stranded, TruSeq Total RNA Stranded, TruSeq RNA Access <b>Exome:</b> Nextera <sup>®</sup> Rapid Capture Exome	