

HiSeq 2500							
High Output Run Mode				Rapid Run Mode			
TruSeq SBS v3				HISEQ Rapid SBS Kit v2 specifications			
Read length	Dual Flow Cell	Single Flow Cell	Dual Flow Cell Run Time	Read length	Dual Flow Cell	Single Flow Cell	Dual Flow Cell Run Time
1×36	95-105 Gb	47-52 Gb	2 days	1×36	18-22 Gb	9-11 Gb	7 hrs
2×50	270-300 Gb	135-150 Gb	5.5 days	2×50	50-60 Gb	25-30 Gb	16 hrs
2×100	540-600 Gb	270-300 Gb	11 days	2×100	100-120 Gb	50-60 Gb	27 hrs
2×125	N/A	N/A	N/A	2×150	150-180 Gb	75-90 Gb	40 hrs
				2×250	250-300 Gb	125-150 Gb	60 hr
Reads Passing Filter (8 lanes per flow cell)	Up to 3 billion single read or 6 billion paired-end reads	Up to 1.5 billion single read or 3 billion paired-end reads		Reads Passing Filter (2 lanes per flow cell)	Up to 600 million single read or 1.2 billion paired-end reads	Up to 300 million single read or 600 million paired-end reads	
Quality	Greater than 85% of bases above Q30 at 2×50 bp  Greater than 80% of bases above Q30 at 2×100 bp			Quality	Greater than 85% of bases above Q30 at 2×50 bp  Greater than 80% of bases above Q30 at 2×100 bp  Greater than 75% of bases above Q30 at 2×250 bp		

HiSeq 3000/4000		
	HiSeq 3000 System	HiSeq 4000 System
	1	1 or 2
Data Yield:		
2 × 150 bp	650-750 Gb	1300-1500 Gb
2 × 75 bp	325-375 Gb	650-750 Gb
1 × 50 bp	105-125 Gb	210-250 Gb
Clusters Passing Filter (Single Reads) (8 lanes)	2.1-2.5 billion	4.3-5 billion
Quality Scores:		
2 × 50 bp	≥ 85% bases above Q30	≥ 85% bases above Q30
2 × 75 bp	≥ 80% bases above Q30	≥ 80% bases above Q30
2 × 150 bp	≥ 75% bases above Q30	≥ 75% bases above Q30
Daily Throughput	> 200 Gb	> 400 Gb

NextSeq			Reads Passing Filter		Quality Scores††
NextSeq Series High Output Kit			NextSeq Series High Output Kit		NextSeq Series High Output Kit
Read Length	Total Time	Output	Single Reads	Paired-End Reads	
2 × 150 bp	~29 hrs	100-120 Gb	Up to 400 Million	Up to 800 million	> 75% bases higher than Q30 at 2 × 150 bp
2 × 75 bp	18 hrs	50-60 Gb			> 80% bases higher than Q30 at 2 × 75 bp
1 × 75 bp	11 hrs	25-30 Gb			> 80% bases higher than Q30 at 1 × 75 bp

NextSeq Series Mid Output Kit			Reads Passing Filter		Quality Scores††
NextSeq Series Mid Output Kit			NextSeq Series Mid Output Kit		NextSeq Series Mid Output Kit
Read Length	Total Time	Output	Single Reads	Paired-End Reads	
2 × 150 bp	26 hrs	32.5-39 Gb	Up to 130 Million	Up to 260 Million	> 75% bases higher than Q30 at 2 × 150 bp
2 × 75 bp	15 hrs	16.25-19.5 Gb			> 80% bases higher than Q30 at 2 × 75 bp

MiniSeq			Reads Passing Filter		Quality Scores††
MiniSeq High-Output Kit			MiniSeq High-Output Kit		MiniSeq High-Output Kit
Read Length	Total Time	Output	Single Reads	Paired-End Reads	
2 × 150 bp	~24 hrs	6.6-7.5 Gb	22-25 Million	44-50 Million	> 80% bases higher than Q30 at 2 × 150 bp
2 × 75 bp	13 hrs	3.3-3.75 Gb			> 85% bases higher than Q30 at 2 × 75 bp
1 × 75 bp	7 hrs	1.65-1.875 Gb			> 85% bases higher than Q30 at 1 × 75 bp

MiniSeq Mid-Output Kit			Reads Passing Filter		Quality Scores††
MiniSeq Mid-Output Kit			MiniSeq Mid-Output Kit		MiniSeq Mid-Output Kit
Read Length	Total Time	Output	Single Reads	Paired-End Reads	
2 × 150 bp	17 hrs	2.1-2.4 Gb	7-8 Million	14-16 Million	> 80% bases higher than Q30 at 2 × 150 bp