

	NextSeq2000 Requirements	
	P2 Reagents	P3 Reagents
Number of Lanes	1	1
Minimum Volume (ul)	15	15
Molarity (nM), preferred	5	5
Molarity (nM), min to make with NO dilution in prep to run FC	3	3
Number of Clusters/Flowcell	400M	1.1B
Number of Single End Reads Per Flowcell	400M	1.1B

	Recommended Number of Samples per Pool for Each NextSeq Platform	
Small whole-genome sequencing (300 cycles) 130 Mb genome; > 30x coverage	30	82
Whole-exome sequencing (200 cycles) 50x mean targeted coverage; 90% targeted coverage at 20x	16	44
Shotgun Metagenomics (300 cycles) 50M reads/sample	8	20
Single-cell RNA-Seq (100 cycles) 4K cells, 50K reads/cell	2	5
miRNA-Seq or small RNA analysis (50 cycles) 11M reads/sample	n/a	96