

Company	Technology	Sequence by	Detection	Run types	Run time	Read length (bp)	# reads per run	Output per run
Roche	GS FLX Titanium	Synthesis	Pyrophosphate detection	Single and	23h	700	1 million	700 Mb
	GS Junior System	Synthesis	Pyrophosphate detection	Single end	10h	400	0.1 million	40 Mb
LifeTechnologies	Ion torrent	Synthesis	Proton release	Single end	4h	200-400	4 million	1.5-2 Gb
	Proton-I	Synthesis	Proton release	Single end	4h	125	60-80 million	8-10 Gb
	Proton-II	Synthesis	Proton release	Single end	8h	100		24 Gb
	Abi/solid	Ligation	Fluorescence detection of di-base probes	Single & paired-end	10 days	75 + 35	2.7 billion	300 Gb
Illumina/solexa	HiSeq2000/2500	Synthesis	Fluorescence; reversible terminators	Single & paired-end	12 days	2 x 100	3 billion	600 Gb
	MiSeq	Synthesis	Fluorescence; reversible terminators	Single & paired-end	65h	2 x 300	25 million	15 Gb
	NextSeq 500	Synthesis	Fluorescence; reversible terminators	Single & paired-end	16h	2x150	400 million	100 Gb
	HiSeq X Ten	Synthesis	Fluorescence; reversible terminators	Single & paired-end	5 days	2x150	6 billion	1.8 Tb
Pacific bioscience:	RSII	Single molecule synthesis	Fluorescence; terminally phospholinked	Single end	2 days	50% of reads > 10kb	0.8 million	5 Gb
Helicos	Heliscope	Single molecule synthesis	Fluorescence; virtual terminator	Single end	10 days	30	500 million	15 Gb