Aleatoriedade, amostragem e reprodutibilidade

Gabriel da Rocha Fernandes, PhD
Pesquisador
Instituto René Rachou - Fiocruz Minas

Instituto René Rachou FIOCRUZ MINAS
Ministério da Saúde
FIOCRUZ
Fundação Oswaldo Cruz

Throughput NGS

Instituto René Rachou FIOCRUZ MINAS

New








Key specifications	iSeq 100 System	MiniSeq System	MiSeq System	MiSeq i100 Series	NextSeq 550 System	NextSeq 1000 and 2000 Systems	NovaSeq 6000 System	NovaSeq X Series
Max output per flow cell	1.2 Gb [b]	7.5 Gb [c]	15 Gb [d]	30 Gb [a]	120 Gb [c]	540 Gb [e]	3 Tb [b]	8 Tb [c]
Run time (range) [e]	~9.5–19 hr	~5–24 hr	~5.5–56 hr	~4–15.5 hr	~11–29 hr	~8–44 hr	~13–44 hr	~17–48 hr
Max reads per run (single reads)	4M [ab]	25M [c]	25M [d]	100M [a]	400M [c]	1.8B [e]	10B (single flow cell) [b] 20B (dual flow cells)	26B (single flow cell) [c] 52B (dual flow cells) [c,e]
Human genome depth	0.4x	2.5x	5x	10x	40x	180x	1000x	2600x