

NovaSeq X Plus Sequencing

Flexibility and accuracy for high-throughput data-intensive applications



- Savings from 30% to 50% versus NovaSeq 6000
- >1B reads for less than the cost of a MiSeq or NextSeq run
- Dedicated lane(s) per customer project
- Powered by XLEAP-SBS chemistry — an even faster, higher quality, and more robust version of Illumina sequencing by synthesis (SBS) chemistry

Flow Cell Type & Capacity

Read Length	1.5B Reads	10B Reads	Single Lane 1-1.25B Reads	25B Reads
PE2x50bp	~165 Gb	~1 Tb		N/A
PE2x100bp	~330 Gb	~2 Tb		N/A
PE2x150bp	~500 Gb	~3 Tb	~375 Gb	~8 Tb

Now Get 1.0 to 1.25 Billion Reads for \$2,295

Service Highlight

Fast Turnaround Time

- Sequencing data delivered within 1-2 weeks of sample submission
- 3-5 work-day express service available
- Data delivered via secure AWS; SOC2 compliance available



SeqMatic is a CLIA/CAP accredited molecular biology laboratory with robust Quality Management Systems

Estimated Sample Throughput per Flow Cell

	Read Length	1.5B Reads	10B Reads	Single Lane 1-1.25B Reads	25B Reads
Human Genomes	30x coverage	~4	~24	~3	~64
Exomes	100x coverage	~41	~250	~31	~750
Transcriptomes	=>50 M reads	~30	~200	~25	~520

Service Highlights



Stringent Quality Controls

- All samples quantified and validated by TapeStation and qPCR
- Libraries generated in-house validated by Illumina MiSeq test run prior to deep sequencing

Customized Sequencing Runs

- Sequencing with custom primers, variable read lengths, low diversity libraries and more
- Large-scale oncology assays (Archer, Illumina TruSight, etc.) available



Request a Quote

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