

Genomics Sequencing Center

Available Services and Rates

Library Preps for Illumina Sequencing: *Turnaround times of 1-3 weeks depending on sample quality, sample number, type of library prep, and previous samples in the queue.

Services	Virginia Tech Researchers	Non-Virginia Tech Researchers
DNA Library Preps		
DNA-Seq /ChIP-Seq (per sample)	\$125.00	\$202.00
DNA-Seq /ChIP-Seq (per sample) High volume rate \geq 96 samples	\$69.00	\$139.00
Nextera DNA (per sample)	\$146.00	\$235.00
Nextera XT DNA (per sample, multiplexing up to 96 samples)	\$102.00	\$164.00
Methyl-Seq with Bisulphite Conversion	\$324.00	\$522.00
16S/18S/ITS Amplicon (multiplexing up to 200 samples)	\$18.00	\$29.00
Exome Capture (Illumina/Agilent, researcher buys capture reagents)	\$175.00	\$282.00
RNA Library Preps		
mRNA -Stranded-Seq (per sample)	\$170.00	\$273.00
mRNA -Stranded-Seq (per sample) High volume rate \geq 96 samples	\$89.00	\$191.00
Small RNA-Seq (miRNA) (per sample)	\$245.00	\$395.00
Small RNA-Seq (miRNA) (per sample) High volume rate \geq 96 samples	\$136.00	\$219.00
Total RNA-Seq (per sample)	\$245.00	\$395.00
Total RNA-Seq (per sample) High volume rate \geq 96 samples	\$155.00	\$233.00
Ultra Low Input mRNA-Seq (per sample) (Single Cell)	\$230.00	\$370.00

Illumina NovaSeq Services: *Sequencing times of 1-2 days depending on length of sequencing. S1 flow cell generates 1.3-1.6 billion Single reads (2.6-3.2 billion Paired-End reads), S2 flow cell 2.8-3.3 billion Single reads (5.6-6.6 billion Paired-End reads), and S4 8-10 billion Single reads (16-20 billion Paired End reads)

Services	Virginia Tech Researchers	Non-Virginia Tech Researchers
NovaSeq 100 Cycles (100SR or 50PE)	\$15,610	\$25,132
NovaSeq 200 Cycles (100PE)	\$19,241	\$30,978
NovaSeq 300 Cycles 150PE (150SR)	\$21,316	\$34,319

Illumina NextSeq Services: Sequencing times of 1-2 days depending on length of sequencing.
****For Mid Output kits 130 million Single Reads (260 million Paired-End reads) Passing Filter. For High-Output Kits 400 million Single reads (800 Million Paired-End reads). There is no lane sharing in NextSeq.**

Services	Virginia Tech Researchers	Non-Virginia Tech Researchers
NextSeq Mid Output 150 Cycles (150SR or 75PE) (per run)	\$1,215.00	\$1,956.00
NextSeq Mid Output 300 Cycles (150PE) (per run)	\$1,800.00	\$2,898.00
NextSeq High Output 75 Cycles (75SR) (per run)	\$1,550.00	\$2,496.00
NextSeq High Output 150 Cycles (150SR or 75PE) (per run)	\$2,779.00	\$4,474.00
NextSeq High Output 300 Cycles (150PE) (per run)	\$4,341.00	\$6,989.00

Illumina MiSeq: *Sequencing times of 1-3 days depending on length of sequencing, **15 million Single Reads or 30 million Paired End reads for V2 kits and 25 million Single Reads or 50 million Paired End reads for V3 kits

Services SR/PE, flexible sequencing lengths based on researcher needs	Virginia Tech Researchers	Non-Virginia Tech Researchers
50-Cycle, V2 (50SR)	\$1,050.00	\$1,691.00
300-Cycle, V2 (150PE)	\$1,525.00	\$2,455.00
500-Cycle, V2 (250PE)	\$1,650.00	\$2,657.00
150-Cycle, V3 (150SR or 75PE)	\$1,350.00	\$2,174.00
600-Cycle, V3 (300PE)	\$2,000.00	\$3,220.00

Sanger Sequencing: 48 hrs turnaround	Virginia Tech Researchers	Non-Virginia Tech Researchers
Full Reactions (per sample)	\$5.60	\$9.02

BioAnalyzer / Tape Station: 48 hrs turnaround	Virginia Tech Researchers	Non-Virginia Tech Researchers
DNA QC or RNA QC (per sample)	\$9.00	\$14.49

Other Services	Virginia Tech Researchers	Non-Virginia Tech Researchers
Covaris Fragmentation	\$21.00	\$34.00
qPCR of Investigator Libraries	\$14.00	\$23.00
Qubit (per sample)	\$4.50	\$7.25
Specialized Services per hr.	\$144.00	\$232.00

Pricing effective as of 9.1.17

***Turnaround Times for library preparation:** Depends on sample quality and approval, time taken for sample resubmission, library quality / failures, previous samples in queue.

***Turnaround Times for NovaSeq Sequencing:** If projects from multiple customers are pooled together for more economical pricing, the turnaround time will be longer depending on whether there are enough samples to maximize sequencing capacity.

***For Fast Turnaround on NovaSeq :** Choose **entire run**.

****The expected read numbers listed depends on the type of libraries.**

FOR MORE INFORMATION:

<https://www.bi.vt.edu/services/genomics-sequencing-center>

Email: bi-gscinfo-g@vt.edu or bi-illumina-seq-g@vt.edu Lab: 540-231-1229 Office: 540-231-7294

Please request an official quote from **Sai Karyala** at skaryala@bi.vt.edu before proceeding with sample submission. All rates and services are subject to change without prior notice.

Unless otherwise notified the sample will be discarded upon successful completion of the service requested.