



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
	Total	1244R	1341X	
DNA Library Preps				
DNA-Seq (per sample)	\$159.00	\$145.00	\$14.00	\$247.00
DNA-Seq (per sample) High volume rate ≥ 96 samples	\$69.00	\$55.00	\$14.00	\$102.00
Nextera DNA (per sample)	\$146.00	\$60.00	\$86.00	\$183.00
Nextera XT DNA (per sample, multiplexing up to 96 samples)	\$103.00	\$71.00	\$32.00	\$146.00
Methyl-Seq with Bisulphite Conversion	\$334.00	\$244.00	\$90.00	\$483.00
16S/18S/ITS Amplicon (multiplexing up to 200 samples)	\$19.00	\$19.00	\$0.00	\$31.00
Exome Capture (Illumina/Agilent, researcher buys capture reagents)	\$175.00	\$175.00	\$0.00	\$282.00
RNA Library Preps				
mRNA -Stranded-Seq (per sample)	\$170.00	\$124.00	\$46.00	\$246.00
mRNA -Stranded-Seq (per sample) High volume rate ≥ 96 samples	\$92.00	\$46.00	\$46.00	\$120.00
Small RNA-Seq (miRNA) (per sample)	\$225.00	\$129.00	\$96.00	\$304.00
Small RNA-Seq (miRNA) (per sample) High volume rate ≥ 96 samples	\$136.00	\$40.00	\$96.00	\$161.00
Total Stranded RNA-Seq (per sample)	\$235.00	\$135.00	\$100.00	\$317.00
Total Stranded RNA-Seq (per sample) High volume rate ≥ 96 samples	\$155.00	\$55.00	\$100.00	\$188.00
Ultra Low Input mRNA-Seq (per sample) (Single Cell)	\$245.00	\$129.00	\$116.00	\$324.00
Ultra Low Input mRNA-Seq (per sample) (Single Cell) High volume rate ≥ 96 samples rate	\$175.00	\$59.00	\$116.00	\$211.00

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
	Total	1244R	1341X	
NovaSeq S1 100 Cycles (100SR or 50PE)	\$7,415.00	\$1,530.00	\$5,885.00	\$8,349.00
NovaSeq S1 200 Cycles (100PE)	\$9,415.00	\$1,456.00	\$7,959.00	\$10,303.00
NovaSeq S1 300 Cycles 150PE (150SR)	\$10,500.00	\$1,355.00	\$9,145.00	\$11,327.00
NovaSeq S2 100 Cycles (50PE)	\$12,350.00	\$1,634.00	\$10,716.00	\$13,347.00
NovaSeq S2 200 Cycles (100PE)	\$16,175.00	\$1,611.00	\$14,564.00	\$17,157.00
NovaSeq S2 300 Cycles 150PE	\$18,500.00	\$1,732.00	\$16,768.00	\$19,557.00
NovaSeq S4 200 Cycles (100PE) (Time to time GSC offers discounts. Please call for current pricing)	\$29,807.00	\$3,174.00	\$26,633.00	\$31,743.00
NovaSeq S4 300 Cycles 150PE (Time to time GSC offers discounts. Please call for current pricing)	\$34,000.00	\$3,336.00	\$30,664.00	\$36,035.00
NovaSeq S2 Lane Split	\$1,050.00	\$22.00	\$1,028.00	\$1,064.00
NovaSeq S4 Lane Split	\$1,250.00	\$25.00	\$1,225.00	\$1,265.00

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
	Total	1244R	1341X	
NextSeq Mid Output 150 Cycles	\$1,350.00	\$43.00	\$1,307.00	\$1,376.00
NextSeq Mid Output 300 Cycles (150PE) (per run)	\$2,110.00	\$167.00	\$1,943.00	\$2,212.00
NextSeq High Output 75 Cycles (75SR) (per run)	\$1,825.00	\$130.00	\$1,695.00	\$1,904.00
NextSeq High Output 150 Cycles (150SR or 75PE) (per run)	\$3,165.00	\$164.00	\$3,001.00	\$3,265.00
NextSeq High Output 300 Cycles (150PE) (per run)	\$4,845.00	\$196.00	\$4,649.00	\$4,965.00

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
	Total	1244R	1341X	
Micro 300-Cycle, V2	\$850.00	\$399.00	\$451.00	\$1093.00
Nano 300-Cycle, V2	\$660.00	\$349.00	\$311.00	\$873.00
Nano 500-Cycle, V2	\$740.00	\$373.00	\$367.00	\$968.00
50-Cycle, V2 (50SR)	\$1050.00	\$234.00	\$816.00	\$1193.00
300-Cycle, V2 (150PE)	\$1525.00	\$484.00	\$1041.00	\$1820.00
500-Cycle, V2 (250PE)	\$1600.00	\$437.00	\$1163.00	\$1867.00
150-Cycle, V3 (150SR or 75PE)	\$1350.00	\$450.00	\$900.00	\$1624.00
600-Cycle, V3 (300PE)	\$2000.00	\$449.00	\$1551.00	\$2274.00

Sanger Sequencing: 48 hrs turnaround	Virginia Tech Researchers			Non-Virginia Tech Researchers
	Total	1244R	1341X	
Full Reactions (per sample)	\$4.99	\$3.53	\$1.46	\$7.14

BioAnalyzer/ Tapestation: 48 hrs turnaround	Virginia Tech Researchers			Non-Virginia Tech Researchers
	Total	1244R	1341X	
Agilent DNA QC or RNA QC (per sample)	\$10.00	\$9.08	\$0.92	\$15.54

Other Services	Virginia Tech Researchers			Non-Virginia Tech Researchers
	Total	1244R	1341X	
Covaris Fragmentation	\$21.00	\$21.00	\$0.00	\$34.00
qPCR of Investigator Libraries	\$15.00	\$12.00	\$3.00	\$22.00
Qubit (per sample)	\$4.50	\$3.94	\$0.56	\$6.90
Specialized Services per hr.	\$146.00	\$146.00	\$0.00	\$235.00

Pricing effective as of 3.1.19

***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: flsi-illumina-g@vt.edu

Lab: 540-231-1229

Please request an official quote from Saikumar Karyala: skaryala@vt.edu

before proceeding with sample submission. All rates and services are subject to change without prior notice.

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