



**Genomics Sequencing Center**

**Available Services and Rates**

**Library Preps for Illumina Sequencing:** \*Please contact the GSC for current turnaround time estimates.

Services	Virginia Tech Researchers			Non-Virginia Tech Researchers
	Total	1244R	1341X	
<b>DNA Library Preps</b>				
DNA-Seq (per sample)	\$129.00	\$97.00	\$32.00	\$188.17
16S Amplicon (multiplexing up to 200 samples)	\$27.00	\$27.00	\$0.00	\$43.47
<b>RNA Library Preps</b>				
mRNA -Stranded-Seq (per sample)	\$150.00	\$113.00	\$37.00	\$218.93
Small RNA-Seq (miRNA) (per sample)	\$171.00	\$73.00	\$98.00	\$215.53
Total Stranded RNA-Seq (per sample)	\$195.00	\$82.00	\$113.00	\$245.02
Nanopore DNA Library Prep 1 sample/flowcell (per sample)	\$350.00	\$207.00	\$143.00	\$476.27
Nanopore DNA Library Prep multiplexing samples on 1 flowcell (per sample)	\$420.00	\$277.00	\$143.00	\$588.97

**Illumina NovaSeq Services:** \*Please contact the GSC for current turnaround time estimates.

Services	Virginia Tech Researchers			Non-Virginia Tech Researchers
	Total	1244R	1341X	
NovaSeq SP v1.5 100 Cycles	\$3,045.00	\$762.00	\$2,283.00	\$3,509.82
NovaSeq SP v1.5 200 Cycles	\$3,584.00	\$600.00	\$2,984.00	\$3,950.00
NovaSeq SP v1.5 300 Cycles	\$3,853.00	\$600.00	\$3,253.00	\$4,219.00
NovaSeq SP v1.5 500 Cycles	\$5,146.00	\$600.00	\$4,546.00	\$5,512.00
NovaSeq S1 v1.5 100 Cycles (100SR or 50PE)	\$5,042.00	\$874.00	\$4,168.00	\$5,575.14
NovaSeq S1 v1.5 200 Cycles (100PE)	\$6,184.00	\$938.00	\$5,246.00	\$6,756.18
NovaSeq S1 v1.5 300 Cycles 150PE (150SR)	\$6,625.00	\$948.00	\$5,677.00	\$7,203.28
NovaSeq S2 v1.5 100 Cycles (50PE)	\$9,484.00	\$1,631.00	\$7,853.00	\$10,478.91
NovaSeq S2 v1.5 200 Cycles (100PE)	\$11,457.00	\$1,717.00	\$9,740.00	\$12,504.37
NovaSeq S2 v1.5 300 Cycles 150PE	\$12,207.00	\$1,821.00	\$10,386.00	\$13,317.81
NovaSeq S4 v1.5 35 Cycles	\$13,236.00	\$2,719.00	\$10,517.00	\$14,894.59
NovaSeq S4 v1.5 200 Cycles (100PE)	\$16,143.00	\$2,196.00	\$13,947.00	\$17,482.56
NovaSeq S4 v1.5 300 Cycles 150PE	\$17,779.00	\$2,242.00	\$15,537.00	\$19,146.62
NovaSeq SP, S1, S2 Lane Split	\$499.00	\$178.00	\$321.00	\$607.58
NovaSeq S4 Lane Split	\$810.00	\$164.00	\$646.00	\$910.04

**Illumina NextSeq Services:** \*Please contact the GSC for current turnaround time estimates. \*\*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 1000 v3 P1 100 Cycles (per run)	\$1,180.00	\$250.00	\$930.00	\$1,332.50
NextSeq 1000 v3 P1 300 Cycles (per run)	\$1,526.00	\$250.00	\$1,276.00	\$1,678.50
NextSeq 1000 v3 P1 600 Cycles (per run)	\$2,168.00	\$250.00	\$1,918.00	\$2,320.50
NextSeq 1000 v3 P2 100 Cycles (per run)	\$1,728.00	\$250.00	\$1,478.00	\$1,880.50
NextSeq 1000 v3 P2 200 Cycles (per run)	\$2,994.00	\$250.00	\$2,744.00	\$3,146.50
NextSeq 1000 v3 P2 300 Cycles (per run)	\$3,875.00	\$250.00	\$3,625.00	\$4,027.50
NextSeq 1000 v3 P2 600 Cycles (per run)	\$4,194.00	\$250.00	\$3,944.00	\$4,346.50
NextSeq 1000/2000 P1 XLEAP-SBS 100 Cycles (per run)	\$1,040.00	\$250.00	\$790.00	\$1,192.50
NextSeq 1000/2000 P1 XLEAP-SBS 300 Cycles (per run)	\$1,331.00	\$250.00	\$1,081.00	\$1,483.50
NextSeq 1000/2000 P1 XLEAP-SBS 600 Cycles (per run)	\$1,872.00	\$250.00	\$1,622.00	\$2,024.50
NextSeq 1000/2000 P2 XLEAP-SBS 100 Cycles (per run)	\$1,427.00	\$250.00	\$1,177.00	\$1,579.50
NextSeq 1000/2000 P2 XLEAP-SBS 200 Cycles (per run)	\$2,246.00	\$250.00	\$2,176.00	\$2,578.50
NextSeq 1000/2000 P2 XLEAP-SBS 300 Cycles (per run)	\$3,122.00	\$250.00	\$2,872.00	\$3,274.50
NextSeq 1000/2000 P2 XLEAP-SBS 600 Cycles (per run)	\$3,372.00	\$250.00	\$3,122.00	\$3,524.50
NextSeq 1000/2000 P3 XLEAP-SBS 100 Cycles (per run)	\$2,716.00	\$250.00	\$2,466.00	\$2,868.50
NextSeq 1000/2000 P3 XLEAP-SBS 200 Cycles (per run)	\$3,649.00	\$250.00	\$3,399.00	\$3,801.50
NextSeq 1000/2000 P3 XLEAP-SBS 300 Cycles (per run)	\$4,768.00	\$250.00	\$4,518.00	\$4,920.50
NextSeq 1000/2000 P4 XLEAP-SBS 50 Cycles (per run)	\$2,163.00	\$250.00	\$1,913.00	\$2,315.50
NextSeq 1000/2000 P4 XLEAP-SBS 100 Cycles (per run)	\$3,099.00	\$250.00	\$2,849.00	\$3,251.50
NextSeq 1000/2000 P4 XLEAP-SBS 200 Cycles (per run)	\$4,262.00	\$250.00	\$4,012.00	\$4,414.50
NextSeq 1000/2000 P4 XLEAP-SBS 300 Cycles (per run)	\$5,345.00	\$250.00	\$5,095.00	\$5,497.50

**Illumina MiSeq:** \*Please contact the GSC for current turnaround time estimates. \*\*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	\$775.00	\$200.00	\$575.00	\$897.00
Nano 300-Cycle, V2	\$595.00	\$200.00	\$395.00	\$717.00
Nano 500-Cycle, V2	\$666.00	\$200.00	\$466.00	\$788.00
50-Cycle, V2 (50SR)	\$1,234.00	\$200.00	\$1,034.00	\$1,356.00
300-Cycle, V2 (150PE)	\$1,513.00	\$200.00	\$1,313.00	\$1,635.00
500-Cycle, V2 (250PE)	\$1,671.00	\$200.00	\$1,471.00	\$1,793.00
150-Cycle, V3 (150SR or 75PE)	\$1,344.00	\$200.00	\$1,144.00	\$1,466.00
600-Cycle, V3 (300PE)	\$2,103.00	\$200.00	\$1,903.00	\$2,225.00

Sanger Sequencing: 48 hrs turnaround	Virginia Tech Researchers			Non-Virginia Tech Researchers
	Total	1244R	1341X	
Full Reactions (per sample)	\$5.25	\$4.10	\$1.15	\$7.75

Tapestation: 48 hrs turnaround	Virginia Tech Researchers			Non-Virginia Tech Researchers
	Total	1244R	1341X	
Agilent DNA QC or RNA QC (per sample)	\$11.00	\$9.85	\$1.15	\$17.01

Other Services	Virginia Tech Researchers			Non-Virginia Tech Researchers
	Total	1244R	1341X	
Covaris Fragmentation	\$22.00	\$22.00	\$0.00	\$35.42
qPCR of Investigator Libraries	\$21.00	\$17.00	\$4.00	\$31.37
Qubit (per sample)	\$4.50	\$3.71	\$0.79	\$6.76
Specialized Services per hour	\$80.00	\$80.00	\$0.00	\$128.80

Pricing effective as of 9/1/2024

\* **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 Faster Turnaround on NovaSeq:** Choose **entire run**.

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

#### FOR MORE INFORMATION:

<https://fralinlifesci.vt.edu/core-services/genomics-sequencing-center.html>

Email: [flsi-illumina-seq-g@vt.edu](mailto:flsi-illumina-seq-g@vt.edu)

Lab: 540-231-1229

[flsi-illumina-seq-g@vt.edu](mailto:flsi-illumina-seq-g@vt.edu)

Please request an official quote from the lab

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.