

North Texas Genome Center
The University of Texas at Arlington

Illumina Library Prep Services	Price
Sample or library quality control (QC)	
Sample QC: Qubit & Fragment Analyzer (Minimum charge is for 8 samples)	\$12
Library Construction	
Shotgun genomic DNA library prep, each (1-11 samples)	\$134
Shotgun genomic DNA library prep, each (12-23 samples)	\$106
Shotgun genomic DNA library prep, each (24-47 samples)	\$85
Shotgun genomic DNA library prep, each (48-95 samples)	\$68
Shotgun genomic DNA library prep, each (> 96 samples)	\$60
RNA-Seq library, PolyA selected RNA (≥24 samples)	\$85
RNA-Seq library, PolyA selected RNA (≥48 samples)	\$75
RNA-Seq library, PolyA selected RNA (≥96 samples)	\$64
RNA-Seq library, rRNA depleted, each sample	\$196
RNA-Seq library, rRNA depleted (≥24 samples)	\$162
RNA-Seq library, rRNA depleted (≥48 samples)	\$152
RNA-Seq library, rRNA depleted (≥96 samples)	\$141
Small RNA libraries, each sample	\$145
Small RNA libraries (≥24 samples)	\$113
Small RNA libraries (≥48 samples)	\$102
Small RNA libraries (≥96 samples)	\$92
Exome Capture libraries	\$240
Exome Capture libraries (>48 samples)	\$170
Bisulfite, genomic DNA libraries	\$145
Bisulfite, genomic DNA libraries (≥48 samples)	\$87
Illumina MiSeq v3	Price
MiSeq - 1x150bp SR v3	\$1,395
MiSeq - 2x150bp PE NANO v2	\$677
MiSeq - 2x150bp PE v2	\$1,600
MiSeq - 2x250bp PE NANO v2	\$741
MiSeq - 2x250bp PE v2	\$1,735
MiSeq - 2x250bp PE v3	\$2,115
MiSeq - 1x300bp SR v2	\$1,600
MiSeq - 2x300bp PE v3	\$2,205
Illumina iSeq 100	Price
iSeq 2x150bp	\$899
Oxford-Nanopore GridION	Price
Construction of Oxford-Nanopore Direct RNA libraries	\$302
Construction of Oxford-Nanopore Direct RNA libraries (2-6 samples)	\$245
Construction of Oxford-Nanopore Rapid DNA libraries	\$190
Construction of Oxford-Nanopore Rapid DNA libraries (> 12 samples)	\$107
Oxford-Nanopore GridION flowcell, each sample	\$950

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Illumina NovaSeq 6000

NTGC NovaSeq Flow Cell Pricing_Standard (whole flow cell)_NovaSeq	<i>SP_flowcell</i>	<i>S1_flowcell</i>	<i>S2_flowcell</i>	<i>S4_flowcell</i>
1x35 v1.5				\$12,323
1x100	\$3,210	\$5,302	\$9,367	
2x100	\$3,988	\$6,497	\$11,460	\$16,152
2x150	\$4,287	\$6,976	\$12,177	\$17,915
2x250	\$5,721			
NTGC NovaSeq Flow Cell Pricing_XP (per lane)	<i>SP_per lane</i>	<i>S1_per lane</i>	<i>S2_per lane</i>	<i>S4_per lane</i>
1x35 v1.5				\$3,866
1x100	\$2,133	\$3,155	\$5,212	
2x100	\$2,522	\$3,777	\$5,770	\$4,742
2x150	\$2,672	\$4,016	\$6,344	\$5,183
2x250	\$3,389			

References:

NovaSeq 6000 System Flow Cell Specifications

Flow cell type	SP	S1	S2	S4
Lanes per flow cell	2	2	2	4
Output per flow cell				
2x50 bp	65-80 Gb	134-167 Gb	333-417 Gb	NA
2x100 bp	134-167 Gb	266-333 Gb	667-833 Gb	1600-2000 Gb
2x150 bp	200-250 Gb	400-500 Gb	1000-1250 Gb	2400-3000 Gb
2x250 bp	325-400 Gb	NA	NA	NA
Single Reads CPF	0.65-0.8 B	1.3-1.6 B	3.3-4.1 B	8-10 B
Paired-end reads CPF	1.3-1.6 B	2.6-3.2 B	6.6-8.2 B	16-20 B
Quality scores				
2x50 bp	≥85%≥Q30			
2x100 bp	≥80%≥Q30			
2x150 bp	≥75%≥Q30			
2x250 bp	≥75%≥Q30			

Estimated samples throughput for key applications*

Flow Cell Type	SP	S1	S2	S4
Human Genomes per Run	~4	~8	~20	~48
Exomes per Run	~40	~80	~200	~500
Transcriptomes per Run	~32	~64	~164	~400

*All sample throughputs are estimates and are based on dual flow cell runs. Human Genomes assumes > 120 Gb of data per sample to achieve 30x genome coverage. Exome assumes ~8Gb/100x. Transcriptomes assume ≥ 25M reads. Throughput may vary based on library preparation kit used.