



Revised 28 March 2019
Effective 01 April 2019

Quality Control Services		Unit	Internal Rate	External Rate
RNA QC	per sample		\$ 14.00	\$ 19.60
DNA QC	per sample		\$ 10.00	\$ 14.00
Library QC	per sample		\$ 22.00	\$ 30.80
NGS Library Prep Services		Unit	Internal Rate	External Rate
Stranded mRNA Library	per sample		\$ 133.00	\$ 186.20
Total RNA Library	per sample		\$ 174.00	\$ 243.60
rRNA HBB depleted RNA Library	per sample		\$ 183.00	\$ 256.20
SMART-Seq mRNA Library	per sample		\$ 209.00	\$ 292.60
SMARTer v4 mRNA to cDNA	per sample		\$ 176.00	\$ 246.40
3'-mRNA Library (QuantSeq)	per sample		\$ 61.00	\$ 85.40
small RNA Library	per sample		\$ 194.00	\$ 271.60
Stranded mRNA Legacy Library	per sample		\$ 143.00	\$ 200.20
RNaseH Ribo-minus RNA Library	per sample		\$ 162.00	\$ 226.80
RNA Library, client kit	per sample		\$ 90.00	\$ 126.00
DNA Library (>32 samples)	per sample		\$ 37.00	\$ 51.80
Low Input DNA Library	per sample		\$ 123.00	\$ 172.20
PCR-free DNA Library	per sample		\$ 120.00	\$ 168.00
10X HMW DNA Library	per sample		\$ 349.00	\$ 488.60
DNA Library	per sample		\$ 125.00	\$ 175.00
DNA Library - client kit	per sample		\$ 81.00	\$ 113.40
Nimblegen Exome Capture	per capture		\$ 744.00	\$ 1,041.60
IDT Exome Capture	per capture		\$ 568.00	\$ 795.20
Custom Capture - client kit	per capture		\$ 219.00	\$ 306.60
Targeted Seq - client kit	per plate		\$ 459.00	\$ 642.60
Single Cell Services		Unit	Internal Rate	External Rate
Low Input RNA/Direct Lysis Lib	per sample		\$ 111.00	\$ 155.40
10X Single Cell Expression	per sample		\$ 1,867.00	\$ 2,613.80
10X SC Immune Profiling	per sample		\$ 1,956.00	\$ 2,738.40
10X Target Enrichment	per sample		\$ 200.00	\$ 280.00
10X Single Cell ATAC	per sample		\$ 1,803.00	\$ 2,524.20
10X Single Cell CNV	per sample		\$ 1,948.00	\$ 2,727.20

Next Generation Sequencing Services	Unit	Internal Rate	External Rate
MiSeq (Nano) 300 cycle	per flow cell	\$ 624.00	\$ 873.60
MiSeq (Nano) 500 cycle	per flow cell	\$ 713.00	\$ 998.20
MiSeq (Micro) 300 cycle	per flow cell	\$ 766.00	\$ 1,072.40
MiSeq (V2) 50 cycle	per flow cell	\$ 1,131.00	\$ 1,583.40
MiSeq (V2) 300 cycle	per flow cell	\$ 1,355.00	\$ 1,897.00
MiSeq (V2) 500 cycle	per flow cell	\$ 1,601.00	\$ 2,241.40
MiSeq (V3) 150 cycle	per flow cell	\$ 1,214.00	\$ 1,699.60
MiSeq (V3) 600 cycle	per flow cell	\$ 1,825.00	\$ 2,555.00
HiSeq4000 50 cycle	per flow cell	\$ 11,163.00	\$ 15,628.20
HiSeq4000 150 cycle	per flow cell	\$ 16,662.00	\$ 23,326.80
HiSeq4000 300 cycle	per flow cell	\$ 21,401.00	\$ 29,961.40
NextSeq (HO) 75 cycle	per flow cell	\$ 1,899.00	\$ 2,658.60
NextSeq (HO) 150 cycle	per flow cell	\$ 3,214.00	\$ 4,499.60
NextSeq (HO) 300 cycle	per flow cell	\$ 4,867.00	\$ 6,813.80
NextSeq (MO) 150 cycle	per flow cell	\$ 1,511.00	\$ 2,115.40
NextSeq (MO) 300 cycle	per flow cell	\$ 2,150.00	\$ 3,010.00
NovaSeq (SP) 100 cycle	per flow cell	\$ 4,719.00	\$ 6,606.60
NovaSeq (SP) 300 cycle	per flow cell	\$ 6,501.00	\$ 9,101.40
NovaSeq (SP) 500 cycle	per flow cell	\$ 8,372.00	\$ 11,720.80
NovaSeq (S1) 100 cycle	per flow cell	\$ 6,624.00	\$ 9,273.60
NovaSeq (S1) 200 cycle	per flow cell	\$ 8,183.00	\$ 11,456.20
NovaSeq (S1) 300 cycle	per flow cell	\$ 9,408.00	\$ 13,171.20
NovaSeq (S2) 100 cycle	per flow cell	\$ 12,792.00	\$ 17,908.80
NovaSeq (S2) 200 cycle	per flow cell	\$ 15,543.00	\$ 21,760.20
NovaSeq (S2) 300 cycle	per flow cell	\$ 19,195.00	\$ 26,873.00
NovaSeq (S4) 200 cycle	per flow cell	\$ 27,848.00	\$ 38,987.20
NovaSeq (S4) 300 cycle	per flow cell	\$ 31,709.00	\$ 44,392.60
MiSeq/NextSeq Clust Only	per flow cell	\$ 466.00	\$ 652.40
NovaSeq Clustering Only	per flow cell	\$ 2,053.00	\$ 2,874.20
Sanger Sequencing Services	Unit	Internal Rate	External Rate
Standard Sanger	per sample	\$ 3.20	\$ 4.48
Sanger Rush (Next Day)	per sample	\$ 5.30	\$ 7.42
Sanger Plate Rate	per sample	\$ 2.60	\$ 3.64
Sanger, sec-structure template	per sample	\$ 6.90	\$ 9.66
Sanger, large template	per sample	\$ 13.10	\$ 18.34
Sanger, reduced-service	per sample	\$ 2.40	\$ 3.36

Array Services	Unit	Internal Rate	External Rate
Illumina Bead Array (w/o chip)	per plate	\$ 851.00	\$ 1,191.40
Std GeneChip cartridge GE proc	per sample	\$ 314.00	\$ 439.60
Std GeneAtlas strip GE proc	per sample	\$ 278.00	\$ 389.20
Std GeneTitan plate GE proc	per sample	\$ 226.00	\$ 316.40
Low-input GeneChip GE proc	per sample	\$ 318.00	\$ 445.20
Low-input GeneAtlas strip proc	per sample	\$ 290.00	\$ 406.00
Low-input GeneTitan plate proc	per sample	\$ 273.00	\$ 382.20
GeneChip GE hyb/scan only	per sample	\$ 240.00	\$ 336.00
GeneChip SNP typing proc	per sample	\$ 346.00	\$ 484.40
GeneChip SNP hyb/scan only	per sample	\$ 128.00	\$ 179.20
GeneTitan SNP typing proc	per sample	\$ 64.00	\$ 89.60
OncoScan CNV/SNP typing	per sample	\$ 937.00	\$ 1,311.80
RT2 Profiler Arrays	per sample	\$ 308.00	\$ 431.20
OpenArray mRNA Panels	per sample	\$ 215.00	\$ 301.00
OpenArray miRNA Panels	per sample	\$ 254.00	\$ 355.60
Other Services	Unit	Internal Rate	External Rate
qPCR Instrument Usage	per run	\$ 22.00	\$ 30.80
PyroMark Full Plate	per plate	\$ 125.00	\$ 175.00
FragAnalysis, Instrument Usage	per run	\$ 67.00	\$ 93.80
FragAnalysis, IdentifilerPlus	per sample	\$ 44.00	\$ 61.60
FragAnalysis, CE Loading Plate	per plate	\$ 43.00	\$ 60.20
DNA Extraction	per sample	\$ 25.50	\$ 35.70
DNA Extraction, Saliva	per sample	\$ 17.30	\$ 24.22
Aliquot/Transfer DNA	per sample	\$ 1.10	\$ 1.54
RNA Extraction	per sample	\$ 38.30	\$ 53.62

Please note the following for all services:

The UM DNA Sequencing Core will process samples on a first-come, first-served basis. Samples from external clients will be processed at lower priority than internal clients. Prices listed in this document are determined by the method of billing employed by the University of Michigan Financial Operations. If a client pays using funds from a "shortcode" within the UM Financial Operations, that client will be charged the internal rate listed in this document. If a client pays by any other method, then the external rate will be applied. No exception to this policy will be made for any actual or perceived affiliation the client may have with the University of Michigan, nor for any collaborative agreement the client may have with a University of Michigan employee, faculty, student, officer or agent.