



The Centre for Applied Genomics - Next Generation Sequencing Facility

*Last updated:
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Illumina platforms - Whole Genome Sequencing (WGS)	Price
Human WGS (NovaSeq), including library prep, 90-100 Gb (30X diploid genome)	\$ 999.00
Human WGS (HiSeq X), including library prep, 90-100 Gb (30X diploid genome)	\$ 1,450.00
Whole Genome Bisulfite Sequencing (WGBS) library preparation	\$ 250.00
Whole Genome Bisulfite Sequencing - HiSeq X 1 lane (90-100 Gbp)	\$ 1,315.00
Whole Genome Bisulfite Sequencing - HiSeq X 1.5 lanes (135-150 Gbp)	\$ 1,972.50
Whole Genome Bisulfite Sequencing - HiSeq X 2 lanes 180-200 Gbp)	\$ 2,630.00
Whole Genome Bisulfite Sequencing - NovaSeq 6000	Contact facility

Illumina platforms - Exome Sequencing (WES)	Price
SureSelect XT Human All Exon V5 library preparation	\$ 225.00
SureSelect XT Mouse All Exon library preparation	\$ 225.00
Exome sequencing NovaSeq 6000 (SP flowcell PE150; 8-10Gbp; 70-110X coverage)	\$ 287.00
Exome sequencing NovaSeq 6000 (SP flowcell PE100; 8-10Gbp; 70-110X coverage)	\$ 332.00
Exome sequencing HiSeq 2500 (High output V4 PE125; 8-10Gbp; 70-110X coverage)	\$ 385.00
Exome sequencing HiSeq 2500 (High output V4 PE125; 16-20 Gbp; 140-200X coverage)	\$ 770.00

Illumina platforms - DNA library preparation	Price
PCR-free genomic library preparation	\$ 135.00
Genomic low input DNA library preparation	\$ 135.00
ChIP-Seq library preparation	\$ 135.00
Nextera DNA Flex library preparation	\$ 135.00

Illumina platforms - RNA-Seq library preparation	Price
Stranded poly(A) mRNA library preparation (NEBNext)	\$ 185.00
Stranded rRNA-depletion RNA library preparation (TruSeq RiboZero Gold Kit)	\$ 300.00
Low input RNA Takara SMART-Seq V4 + Nextera XT library prep	\$ 300.00
Small RNA library preparation (NEBNext)	\$ 200.00

Illumina platforms - 10X Genomics single cell 3' end RNA-Seq library preparation	Price
10X Genomics Single Cell 3' RNA library prep - 1 sample	\$ 3,475.00
10X Genomics Single Cell 3' RNA library prep - Batch of 2-4 samples	\$ 2,775.00
10X Genomics Single Cell 3' RNA library prep - Batch of 5-8 samples	\$ 2,545.00
Sequencing 10X Genomics RNA-Seq (NovaSeq 6000)	Contact facility
Sequencing 10X Genomics RNA-Seq, 29x8x100 (HiSeq 2500, Rapid Run lane)	\$ 2,271.00
Sequencing 10X Genomics RNA-Seq, 29x8x100 (HiSeq 2500, High Output V4 lane)	\$ 2,075.00

Illumina platforms - 10X Genomics single cell ATAC-Seq library preparation	Price
10X Genomics scATAC-Seq library prep - 1 sample	\$ 2,385.00
10X Genomics scATAC-Seq library prep - Batch of 2-4 samples	\$ 2,156.00
10X Genomics scATAC-Seq library prep - Batch of 5-8 samples	\$ 2,019.00
Sequencing 10X Genomics ATAC-Seq, 50X8X16X50 (HiSeq 2500, Rapid Run)	\$ 2,271.00
Sequencing 10X Genomics ATAC-Seq, 50X8X16X50 (NovaSeq 6000)	Contact facility



Illumina NovaSeq 6000 Sequencing (SR - Single Read; PE - Paired End)	Price
NovaSeq SP flowcell SR100 or PE50 - 1 lane	\$ 2,095.00
NovaSeq SP flowcell SR200 or PE100 - 1 lane	\$ 2,655.00
NovaSeq SP flowcell PE150 - 1 lane	\$ 2,870.00
NovaSeq SP flowcell PE250 - 1 lane	\$ 3,905.00
NovaSeq S1 flowcell SR100 or PE50 - 1 lane	\$ 3,605.00
NovaSeq S1 flowcell SR200 or PE100 - 1 lane	\$ 4,470.00
NovaSeq S1 flowcell PE150 - 1 lane	\$ 4,815.00
NovaSeq S2 flowcell SR100 or PE50 - 1 lane	\$ 6,540.00
NovaSeq S2 flowcell SR200 or PE100 - 1 lane	\$ 8,050.00
NovaSeq S2 flowcell PE150 - 1 lane	\$ 8,565.00
NovaSeq S4 flowcell PE100 - 1 lane	\$ 5,835.00
NovaSeq S4 flowcell PE150 - 1 lane	\$ 5,200.00

Illumina HiSeq 2500 Sequencing (SR - Single Read; PE - Paired End)	Price
Rapid Run, SR50 - 1 lane	\$ 1,485.00
Rapid Run, SR100 - 1 lane	\$ 1,895.00
Rapid Run, SR150 - 1 lane	\$ 2,300.00
High Output V4 chemistry, SR50 - 1 lane	\$ 1,225.00
High Output V4 chemistry, SR100 - 1 lane	\$ 1,672.00
High Output V4 chemistry, SR150 - 1 lane	\$ 2,118.00
Rapid Run, PE50 - 1 lane	\$ 2,271.00
Rapid Run, PE100 - 1 lane	\$ 2,955.00
Rapid Run, PE150 - 1 lane	\$ 3,960.00
Rapid Run, PE250 - 1 lane	\$ 4,725.00
Rapid Run, PE40x10 - 1 lane	\$ 1,630.00
High Output V4 chemistry, PE40x10 - 1 lane	\$ 1,865.00
High Output V4 chemistry, PE126 - 1 lane	\$ 3,080.00

Illumina MiSeq Sequencing (SR - Single Read; PE - Paired End)	Price
MiSeq Reagent Nano Kit v2 (300-cycles) - PE150 - 1 million clusters	\$ 795.00
MiSeq Reagent Nano Kit v2 (500-cycles) - PE250 - 1 million clusters	\$ 885.00
MiSeq Reagent Micro Kit v2 (300-cycles) - PE150 - 4 million clusters	\$ 1,015.00
MiSeq Reagent Kit v2 (50-cycles) - SR36, SR50, PE25 - 12-15 million clusters	\$ 1,575.00
MiSeq Reagent Kit v2 (300-cycles) - PE150 - 12-15 million clusters	\$ 1,915.00
MiSeq Reagent Kit v2 (500-cycles) -PE250 - 12-15 million clusters	\$ 2,110.00
MiSeq Reagent Kit v3 (600-cycles) - PE300 - 22-25 million clusters	\$ 2,640.00
MiSeq Reagent Kit v3 (150-cycles) - SR150, PE75 - 22-25 million clusters	\$ 1,710.00

PacBio Sequel II - Library prep and Sequencing	Price
PacBio - Library prep - 1 sample	\$ 800.00
PacBio - Library prep - per sample - batch of 2 samples	\$ 525.00
PacBio - Library prep - per sample - batch of 3 samples	\$ 435.00
PacBio - Library prep - per sample - batch of 4 samples	\$ 400.00
PacBio Sequel II SMRT 8M sequencing - 1 cell	\$ 2,050.00



BD Rhapsody library prep	Price
BD Rhapsody WTA library prep	\$ 650.00
BD Rhapsody WTA/AbSeq library prep	\$ 700.00
BD Rhapsody WTA/AbSeq/Sample Tag library prep	\$ 750.00
BD Rhapsody Target Seq library prep	\$ 700.00
BD Rhapsody sequencing - Illumina HiSeq 2500 or NovaSeq 6000	Contact facility

Oxford Nanopore - Library preparation and Sequencing	Price
Nanopore Ligation Sequencing library prep	\$ 400.00
PromethION sequencing (R9)	Contact facility

Other Services	Price
User-made library QC	\$ 25.00
Bioanalyzer / Tapestation - DNA	\$ 15.00
Bioanalyzer - RNA	\$ 15.00
Covaris shearing	\$ 17.00
Covaris shearing with tubes provided by customer	\$ 10.00
Covaris shearing and sample volume adjustment	\$ 20.00
Blue Pippin Size-selection (up to 4 samples / gel cartridge)	\$ 130.00
AmPure DNA clean up and Bioanalyzer check	\$ 40.00
AmPure DNA clean up (excluding BioAnalyzer check)	\$ 25.00

Contacts:

WGS, WES, DNA and RNA library prep and Illumina sequencing:

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PacBio, BD Rhapsody, Oxford Nanopore and 10X Genomics scRNA-Seq:

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Prices are in Canadian dollars and subject to changes at any time.