



## The Centre for Applied Genomics - Next Generation Sequencing Facility

Last updated: 22  
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| Illumina platforms - Whole Genome Sequencing (WGS)                            | Price / sample   |
|---|------------------|
| Human WGS (NovaSeq X), including library prep, 90-100 Gb (30X diploid genome) | \$ 650.00        |
| Non-human WGS (NovaSeq) library prep and sequencing                           | Contact facility |
| Whole Genome Enzymatic Sequencing (EM-Seq) library preparation                | \$ 120.00        |
| Whole Genome Enzymatic Sequencing - NovaSeq 6000                              | Contact facility |

| Illumina platforms - Exome Sequencing (WES)         | Price / sample   |
|---|------------------|
| SureSelect XT Human All Exon V5 library preparation | Contact facility |
| SureSelect XT Mouse All Exon library preparation    | Contact facility |
| Exome sequencing Illumina platform                  | Contact facility |

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

| Illumina platforms - RNA-Seq library preparation  | Price / sample |
|---|----------------|
| Stranded poly(A) mRNA library preparation (NEBNext)   | \$ 175.00      |
| Stranded rRNA-depletion RNA library preparation (Ribo-Zero Plus rRNA Kit; bacterial, human/rat/mouse rRNA depletion and human globin depletion) | \$ 260.00      |
| Stranded rRNA-depletion RNA library preparation (Ribo-Zero Plus Microbiome rRNA Depletion Kit; human, pan-bacterial, rat, mouse rRNA depletion) | \$ 265.00      |
| Low input RNA Takara SMART-Seq V4 + Nextera XT library prep   | \$ 300.00      |
| Small RNA library preparation (NEBNext)   | \$ 300.00      |
| 16S (V3-V4 regions) or ITS library prep (96 reactions, including 8 controls)  | \$ 30.00       |

| Illumina platforms - 10X Genomics single cell 3' end RNA-Seq library preparation | Price / sample |
|--|----------------|
| 10X Genomics Single Cell 3' RNA library prep - 1 sample                          | \$ 3,850.00    |
| 10X Genomics Single Cell 3' RNA library prep - Batch of 2-4 samples              | \$ 3,125.00    |
| 10X Genomics Single Cell 3' RNA library prep - Batch of 5-8 samples              | \$ 2,885.00    |
| 10X Genomics Multiome library prep - 1 sample                                    | \$ 5,975.00    |
| 10X Genomics Multiome library prep - Batch of 2-4 samples                        | \$ 5,150.00    |
| 10X Genomics Multiome library prep - Batch of 5-8 samples                        | \$ 4,850.00    |

| Illumina MiSeq Sequencing (SR - Single Read; PE - Paired End)                | Price / run |
|--|-------------|
| MiSeq Reagent Nano Kit v2 (300-cycles) - PE150 - 1 million clusters          | \$ 950.00   |
| MiSeq Reagent Nano Kit v2 (500-cycles) - PE250 - 1 million clusters          | \$ 1,060.00 |
| MiSeq Reagent Micro Kit v2 (300-cycles) - PE150 - 4 million clusters         | \$ 1,225.00 |
| MiSeq Reagent Kit v2 (50-cycles) - SR36, SR50, PE25 - 12-15 million clusters | \$ 1,920.00 |
| MiSeq Reagent Kit v2 (300-cycles) - PE150 - 12-15 million clusters           | \$ 2,340.00 |
| MiSeq Reagent Kit v2 (500-cycles) - PE250 - 12-15 million clusters           | \$ 2,575.00 |
| MiSeq Reagent Kit v3 (600-cycles) - PE300 - 22-25 million clusters           | \$ 3,225.00 |
| MiSeq Reagent Kit v3 (150-cycles) - SR150, PE75 - 22-25 million clusters     | \$ 2,080.00 |



| <b>Illumina NovaSeq X Sequencing (SR - Single Read; PE - Paired End)</b> | <b>Price / lane</b> |
|--|---------------------|
| NovaSeq X Series 1.5B Reagent Kit (100 Cycle)                            | \$ 1,790.00         |
| NovaSeq X Series 1.5B Reagent Kit (200 Cycle)                            | \$ 2,230.00         |
| NovaSeq X Series 1.5B Reagent Kit (300 Cycle)                            | \$ 2,410.00         |
| NovaSeq X Series 10B Reagent Kit (100 Cycle)                             | \$ 1,540.00         |
| NovaSeq X Series 10B Reagent Kit (200 Cycle)                             | \$ 1,940.00         |
| NovaSeq X Series 10B Reagent Kit (300 Cycle)                             | \$ 2,060.00         |
| NovaSeq X Series 25B Reagent Kit (300 Cycle)                             | \$ 3,470.00         |

| <b>Illumina NovaSeq 6000 Sequencing (SR - Single Read; PE - Paired End)</b> | <b>Price / lane</b> |
|---|---------------------|
| NovaSeq SP flowcell SR100 or PE50 - 1 lane, 325 - 400 million reads         | \$ 2,560.00         |
| NovaSeq SP flowcell SR200 or PE100 - 1 lane, 325 - 400 million reads        | \$ 3,225.00         |
| NovaSeq SP flowcell PE150 - 1 lane, 325 - 400 million reads                 | \$ 3,480.00         |
| NovaSeq SP flowcell PE250 - 1 lane, 325 - 400 million reads                 | \$ 4,710.00         |
| NovaSeq S1 flowcell SR100 or PE50 - 1 lane, 650 - 800 million reads         | \$ 4,355.00         |
| NovaSeq S1 flowcell SR200 or PE100 - 1 lane, 650 - 800 million reads        | \$ 5,380.00         |
| NovaSeq S1 flowcell PE150 - 1 lane, 650 - 800 million reads                 | \$ 5,790.00         |
| NovaSeq S2 flowcell SR100 or PE50 - 1 lane, 1.6 - 2 billion reads           | \$ 7,845.00         |
| NovaSeq S2 flowcell SR200 or PE100 - 1 lane, 1.6 - 2 billion reads          | \$ 9,640.00         |
| NovaSeq S2 flowcell PE150 - 1 lane, 1.6 - 2 billion reads                   | \$ 10,260.00        |
| NovaSeq S4 flowcell PE150 - 1 lane, 2 - 2.5 billion reads                   | \$ 7,170.00         |

| <b>PacBio Sequel II - Library prep and Sequencing</b>                           | <b>Price / sample</b> |
|---|-----------------------|
| PacBio - HiFi Library prep - 1-3 samples  | \$ 625.00             |
| PacBio - HiFi Library prep - batch of 4 samples or more                         | \$ 425.00             |
| PacBio - Amplicon library prep  | \$ 575.00             |
| PacBio - IsoSeq library prep - batch of 1-3 samples (4M reads per sample)       | \$ 595.00             |
| PacBio - IsoSeq library prep - batch of 4 samples or more (4M reads per sample) | \$ 375.00             |
| PacBio - Kinnex bulk RNA library prep - 1-plex (40M reads per sample)           | \$ 1,600.00           |
| PacBio - Kinnex bulk RNA library prep - 2-plex (20M reads per sample)           | \$ 1,800.00           |
| PacBio - Kinnex bulk RNA library prep - 4-plex (10M reads per sample)           | \$ 2,250.00           |
| PacBio Sequel II SMRT 8M sequencing - 1 cell                                    | \$ 1,975.00           |
| PacBio Revio sequencing - 1 cell  | \$ 1,675.00           |

| <b>BD Rhapsody library prep</b>               | <b>Price / sample</b> |
|---|-----------------------|
| BD Rhapsody WTA library prep                  | \$ 725.00             |
| BD Rhapsody WTA/AbSeq library prep            | \$ 775.00             |
| BD Rhapsody WTA/AbSeq/Sample Tag library prep | \$ 825.00             |
| BD Rhapsody Target Seq library prep           | \$ 775.00             |

| <b>Oxford Nanopore - Library preparation and Sequencing</b>  | <b>Price / sample</b> |
|--|-----------------------|
| Nanopore V14 Ligation Sequencing library prep                | \$ 455.00             |
| Nanopore v14 Ligation Sequencing library prep with barcoding | \$ 475.00             |
| PromethION sequencing (R10.4.1)                              | \$ 1,400.00           |



| Other Services   | Price / sample |        |
|--|----------------|--------|
| User-made library QC   | \$             | 35.00  |
| 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  |
| Qubit DNA or RNA quantification                              | \$             | 3.15   |

#### Contacts:

DNA and RNA library prep and sequencing on Illumina short-read platforms:

Dr Valerie Crowley - [valerie.crowley@sickkids.ca](mailto:valerie.crowley@sickkids.ca)

Dr. Sergio Pereira - [sergiolp@sickkids.ca](mailto:sergiolp@sickkids.ca)

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

Dr. Tara Paton - [tpaton@sickkids.ca](mailto:tpaton@sickkids.ca)

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