

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

***Last updated:***
***April 2026***

| **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 X) library prep and sequencing | Please enquire |
| Whole Genome Enzymatic Sequencing (EM-Seq) library preparation (NEBNext) | $ 170.00 |
| Whole Genome Enzymatic Sequencing (NovaSeq X) | Please enquire |
| 5-Base DNA Prep (Illumina) | $ 375.00 |
| 5-Base DNA Sequencing (NovaSeq X) | Please enquire |

| **Illumina platforms - Exome Sequencing (WES)** | **Price / sample** |
|---|---|
| SureSelect XT HS2 Human All Exon V8 library preparation | $ 300.00 |
| SureSelect XT HS2 Mouse All Exon library preparation | $ 300.00 |
| Exome sequencing (NovaSeq X) | Please enquire |

| **Illumina platforms - DNA library preparation** | **Price / sample** |
|---|---|
| PCR-free DNA library prep (Illumina TruSeq DNA PCR-free) | $ 160.00 |
| PCR-free DNA library prep (Illumina DNA PCR-free) | $ 110.00 |
| PCR-free low input DNA library prep (NEBNext Ultra II FS DNA) | $ 160.00 |
| Low input DNA library preparation (Illumina TruSeq DNA Nano) | $ 160.00 |
| ChIP-Seq library preparation (NEBNext Ultra II DNA) | $ 160.00 |
| Nextera XT DNA library preparation (Illumina) | $ 175.00 |

| **Illumina platforms - RNA-Seq library preparation** | **Price / sample** |
|---|---|
| Stranded poly(A) mRNA library prep (NEBNext Ultra II Directional RNA) | $ 175.00 |
| Stranded rRNA-depletion RNA library prep (Ribo-Zero Plus rRNA Kit; bacterial, human/rat/mouse rRNA depletion and human globin depletion) (Illumina) | $ 295.00 |
| Stranded rRNA-depletion RNA library prep (Ribo-Zero Plus Microbiome rRNA Depletion Kit; human, pan-bacterial, rat, mouse rRNA depletion (Illumina) | $ 310.00 |
| Single cell/low input RNA library prep (NEBNext) | $ 190.00 |
| Small RNA library prep (NEBNext) | $ 335.00 |
| 16S or ITS library prep (88 reactions) (Zymo) | Please enquire |

| **Illumina MiSeq i100 Sequencing** | **Price / run** |
|---|---|
| MiSeq i100 Series 5M Reagent Kit (300 cycles = 2 x 150bp) | $ 725.00 |
| MiSeq i100 Series 5M Reagent Kit (600 cycles = 2 x 300 bp) | $ 1,225.00 |
| MiSeq i100 Series 25M Reagent Kit (100 cycles= 1 x 100bp; 2 x 50bp) | $ 1,050.00 |
| MiSeq i100 Series 25M Reagent Kit (300 cycles = 2 x 150bp) | $ 1,650.00 |
| MiSeq i100 Series 25M Reagent Kit (600 cycles = 2 x 300bp) | $ 2,000.00 |
| MiSeq i100 Series 25M Reagent Kit (1000 cycles= 2 x 500bp) | $ 2,960.00 |

| **Illumina NovaSeq X Sequencing** | **Price / lane** |
|---|---|
| NovaSeq X Series 1.5B Reagent Kit (100 Cycle), two lane minimum | $ 1,870.00 |
| NovaSeq X Series 1.5B Reagent Kit (200 Cycle), two lane minimum | $ 2,375.00 |
| NovaSeq X Series 1.5B Reagent Kit (300 Cycle), two lane minimum | $ 2,560.00 |
| NovaSeq X Series 10B Reagent Kit (100 Cycle) | Please enquire |
| NovaSeq X Series 10B Reagent Kit (200 Cycle) | Please enquire |
| NovaSeq X Series 10B Reagent Kit (300 Cycle) | $ 2,000.00 |
| NovaSeq X Series 25B Reagent Kit (100 Cycle) | Please enquire |
| NovaSeq X Series 25B Reagent Kit (200 Cycle) | Please enquire |
| NovaSeq X Series 25B Reagent Kit (300 Cycle) | $ 3,470.00 |



| PacBio Revio - Library prep and Sequencing | Price / sample |
|---|---|
| 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 - 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 - Kinnex bulk RNA library prep - custom plexing | Please enquire |
| PacBio Revio sequencing - 1 cell | $ 1,675.00 |

| Oxford Nanopore - Library preparation and Sequencing | Price / sample |
|---|---|
| Nanopore V14 Ligation Sequencing library prep | $ 400.00 |
| PromethION sequencing (R10.4.1) | $ 1,400.00 |
| Nanopore v14 Ligation Sequencing library prep with barcoding (bacterial isolates, plasmids, amplicons) | Please enquire |

| Other Services | Price / sample |
|---|---|
| User-made library QC | $ 35.00 |
| Bioanalyzer / Tapestation - DNA | $ 15.00 |
| Bioanalyzer - RNA | $ 15.00 |
| Covaris shearing (not for long-read sequencing) | $ 20.00 |
| Covaris shearing with tubes provided by customer | $ 15.00 |
| AmPure DNA clean up and Bioanalyzer check | $ 45.00 |
| AmPure DNA clean up (excluding BioAnalyzer check) | $ 30.00 |
| Qubit DNA or RNA quantification | $ 3.50 |

**Contacts:**

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

Dr Valerie Crowley - valerie.crowley@sickkids.ca

PacBio and Oxford Nanopore:

Dr. Tara Paton - tpaton@sickkids.ca

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