

## University of Calgary Internal Prices

Valid April 1, 2022 to March 31, 2023

### Library Preparation: WGS, RNAseq, ChIPseq, Amplicon, WGBS, RRBS, per sample

Item #	Service	Kit	Price CAD\$
112.4	DNaseq – fragment library, Covaris sheared	NEBNext Ultra II	\$105.00
125.3	DNaseq – fragment library, PCR-free, Covaris sheared	Kapa HyperPrep	\$105.00
118.0	DNaseq – bulk seq per 96 samples, variable coverage	Twist (FKA iGenomx)	\$2,230.00
160.2	mRNAseq – poly-A capture	NEBNext Ultra II RNA	\$110.00
170.2	Total RNAseq – rRNA depletion	NEBNext Ultra II RNA	\$170.00
175.2	RIP-seq – RNA requires no preprocessing i.e. poly A capture/rRNA depletion	NEBNext Ultra II RNA	\$105.00
351.1	miRNA	Lexogen/Illumina	\$155.00
113.4	ChIP-Seq, Amplicon sequencing – fragment library, no shearing required	NEBNext Ultra II	\$90.00
620.3	Amplicons with Illumina Nextera adapters – indexing only	Illumina	\$15.00
610.3	16S Metagenomic rRNA V3/4	Illumina	\$21.00
151.1	EM-seq, EM-seq reduced representation (with Msp I)	NEB EM-seq	\$105.00

### Library Preparation and Capture: Whole Exome and Targeted

Item #	Service	Kit	Price CAD\$
860.1	Human exome – library not included see item 112.4 above, pooled capture 12 libraries/pool	IDT xGen Exome v2	\$435.00
820.1	Clinical human exome – libraries included, pooled capture 8 libraries/pool	Agilent SureSelect CR v2	\$200.00
821.1	Clinical human exome – libraries included, pooled capture 12 libraries/pool	Agilent SureSelect CR v2	\$170.00
825.1	Mouse exome – library included, single-plex capture	Agilent SureSelect mouse	\$270.00
1020.3	Custom capture with user supplied kit – library not included see item 112.4 above	myBaits or other	\$22.00
241.0	Human RNA exome library prep only to be combined with 605.00	Illumina	\$150.00
605.0	Human RNA exome – capture only, pooled up to 4 libraries/pool	Illumina	\$780.00

### Analytical Services

Item #	Service	Kit	Price CAD\$
various	Sample QC Assay TapeStation/Fragment Analyzer– (HS)DNA, gDNA, (HS)RNA	Agilent	\$10.00
7060.2	Covaris shearing, AFA fiber microtube	Agilent	\$16.00
15.0	Bioinformatics support per hour	-	\$80.00

### Sanger Sequencing and Fragment Analysis

Service	Price CAD\$
Sanger sequencing – Economy	\$8.00
Sanger sequencing – Full	\$21.00
Fragment Analysis	\$4.25

## ILLUMINA NOVASeq 6000 NEXT GENERATION SEQUENCING

Item #	Flow Cell	Cycles (bp)	Output (Million read pairs)	Output (Gbp)	Price CAD\$
8020.4	SP	100 (2x50bp)	800	80	\$4,270.00
8025.3	SP	200 (2x100bp)	800	167	\$5,510.00
8030.4	SP	300 (2x150bp)	800	250	\$5,990.00
8040.4	SP	500 (2x250bp)	800	400	\$8,290.00
8050.4	S1	100 (2x50bp)	1,600	167	\$7,620.00
8060.4	S1	200 (2x100bp)	1,600	333	\$9,530.00
8070.4	S1	300 (2x150bp)	1,600	500	\$10,290.00
8080.4	S2	100 (2x50bp)	4,100	417	\$13,490.00
8090.4	S2	200 (2x100bp)	4,100	833	\$16,680.00
8100.4	S2	300 (2x150bp)	4,100	1,250	\$17,780.00
8110.4	S4	200 (2x100bp)	10,000	2,000	\$23,850.00
8120.4	S4	300 (2x150bp)	10,000	3,000	\$26,550.00

## ILLUMINA MiSeq and NextSeq 500 NEXT GENERATION SEQUENCING

Item #	Instrument	Flow Cell	Cycles (bp)	Output (Million read pairs)	Output (Gbp)	Price CAD\$
6800.5	MiSeq	V2	50	15	0.85	\$1,790.00
6810.6	MiSeq	V2	300 (2x150bp)	15	5.1	\$2,230.00
6820.6	MiSeq	V2	500 (2x250bp)	15	8.5	\$2,470.00
6830.6	MiSeq	V2 nano	300 (2x150bp)	1	0.3	\$700.00
6840.5	MiSeq	V2 nano	500 (2x250bp)	1	0.5	\$810.00
6850.5	MiSeq	V2 micro	300 (2x150bp)	4	1.2	\$980.00
6860.6	MiSeq	V3	150 (2x75bp)	25	3.8	\$1,960.00
6870.9	MiSeq	V3	600 (2x300bp)	25	15	\$3,140.00
7040.8	NextSeq	Mid	150 (2x75bp)	130	19	\$2,290.00
7050.7	NextSeq	Mid	300 (2x150bp)	130	39	\$3,540.00
7000.8	NextSeq	High	75bp	400	30	\$3,050.00

## Other Library preps available upon request

Item #	Service	Kit	Price CAD\$
126.1	DNaseq – fragment library, Covaris shearing	Kapa HyperPlus Library	\$120.00
660.0	DNaseq – fragment library, Covaris shearing	IDT xGen Prism Library	\$110.00
630.0	DNaseq – PCR free, tagmentation	Illumina	\$140.00
187.0	TELL-Seq (Transposase Enzyme Linked-Long) read library, small genomes	Universal Sequencing	\$160.00
186.0	TELL-Seq (Transposase Enzyme Linked-Long) read library, medium genomes	Universal Sequencing	\$250.00
185.1	TELL-Seq (Transposase Enzyme Linked-Long) read library, large genomes	Universal Sequencing	\$340.00
116.0	DNaseq – fragment library with enzymatic shearing (has limited use)	NEB Ultra II FS	\$95.00

## Services to be Combined with Library Prep and Sequencing Projects only

Item #	Service	Price CAD\$
7080.2	QuantiFluor DNA Assay Plate	\$90.00
7090.1	E-Gel – 96 samples, 2% Agarose Gel Assay	\$100.00
1420.4	Kapa qPCR Library Quantification plate for Illumina	\$190.00
7071.2	Plate normalization, robotic	\$60.00