

Institute for Genomic Medicine Genomic Services Laboratory 2021 Pricing

Price per sample includes initial QC, library prep/validation, and specified read-length sequencing to designated coverage

*The IGM GSL Core will accept sample submissions below the minimum requirement, however, these projects are subject to longer turnaround times due to sequencing workflow optimization

WGS Library Prep and Sequencing Services (Per Sample)	Minimum Sample Requirement	NCH/OSUCCC Price	Academic Price
Human WGS (30X) – S1 v1.5	4*	\$1,425	\$1,860
Human WGS (30X) - S2 v1.5	10*	\$1,075	\$1,395
Human WGS (30X) – S4 v1.5	24*	\$800	\$1,060
Human WGS (60X) – S1 v1.5	2*	\$2,675	\$3,470
Human WGS (60X) – S2 v1.5	5*	\$1,975	\$2,540
Human WGS (60X) – S4 v1.5	12*	\$1,425	\$1,880
Non-Human WGS/Additional X Coverage	N/A	Inquire	Inquire

RNA Library Prep and Sequencing Services (Per Sample)	Minimum Sample Requirement	NCH/OSUCCC Price	Academic Price
Total Stranded RNA-seq (60-80M reads per sample)	8*	\$475	\$630
Total Stranded RNA-seq (60-80M reads per sample)	48*	\$350	\$460
Custom RNA-seq	N/A	Inquire	Inquire
miRNA-seq (4M reads per sample)	12*	\$315	\$420

Pricing for Exome Sequencing can vary significantly depending on # of samples, sample submission batch size, sample quality and desired coverage. Prices below reflect single captures with fastest turnaround time. For large projects, libraries can be pooled for fewer capture events and greater cost efficiencies – please inquire. For specific depth of coverage or custom project pricing, please inquire.

DNA Library Prep, IDT xGEN v2 Exome Capture, and Sequencing (Per Sample)	Minimum Sample Requirement	NCH/OSUCCC Price	Academic Price
Mouse Exome Capture (100X)	≤16	\$665	\$870
Human Exome (100X)	<8	\$600	\$795
Human Exome (100X)	≥8	Inquire	Inquire
Human Exome (250X)	≤6	\$875	\$1,150
Human Exome (250X)	>6	Inquire	Inquire
DNA Library Prep, IDT xGEN v2 Exome Capture, and Sequencing (FFPE Per Sample)	Minimum Sample Requirement	NCH/OSUCCC Price	Academic Price
Human Exome (250X)	≤6	\$1,210	\$1,570
Human Exome (250X)	>6	Inquire	Inquire

QC Services Pricing			
Service	Description	NCH/OSUCCC Price	Academic Price
DNA/Library QC	Qubit/TapeStation QC	\$40	\$50
QPCR Library QC	QPCR/TapeStation Library QC	\$45	\$60
RNA QC	Qubit/BioAnalyzer RNA QC	\$25	\$25

Additional Information available at <https://www.nationwidechildrens.org/specialties/institute-for-genomic-medicine/genomic-services>
 Contact Amy Wetzel for all inquiries Phone: 614-355-3530 Email: amy.wetzel@nationwidechildrens.org



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Sequencing Pricing				
Illumina NovaSeq6000 Sequencing				
Service	Description/Output	Unit	NCH/OSUCCC Price	Academic Price
SP Flow Cell v1.5				
100 cycle (≤2x50bp)	65-80 Gb / 1.3 - 1.6B paired-end reads	Flow Cell	\$2,300	\$3,050
200 cycle (≤2x100bp)	134-167 Gb / 1.3 - 1.6B paired-end reads	Flow Cell	\$2,800	\$3,700
300 cycle (≤2x150bp)	200-250 Gb / 1.3 -1.6B paired-end reads	Flow Cell	\$3,000	\$3,950
	100-125 Gb / 650-800M paired-end reads	Lane	\$1,800	\$2,390
500 cycle (≤2x250bp)	325-400 Gb / 1.3 -1.6B paired-end reads	Flow cell	\$3,900	\$5,150
S1 Flow Cell v1.5				
100 cycle (≤2x50bp)	333-417 Gb / 2.6-3.2B paired-end reads	Flow Cell	\$3,800	\$5,050
200 cycle (≤2x100bp)	266-333 Gb / 2.6-3.2B paired-end reads	Flow Cell	\$4,550	\$6,050
300 cycle (≤2x150bp)	400-500 Gb / 2.6-3.2B paired-end reads	Flow Cell	\$5,000	\$6,450
	200-250 Gb / 1.3-1.6B paired-end reads	Lane	\$2,750	\$3,640
S2 Flow Cell v1.5				
100 cycle (≤2x50bp)	333-417 Gb / 6.6-6.8B paired-end reads	Flow Cell	\$6,900	\$9,125
200 cycle (≤2x100bp)	567-833 Gb / 6.6-6.8B paired-end reads	Flow Cell	\$8,200	\$10,875
300 cycle (≤2x150bp)	1000-1250 Gb / 6.6-6.8B paired-end reads	Flow Cell	\$9,000	\$11,475
	500-625 Gb / 3.3-3.4B paired-end reads	Lane	\$4,700	\$6,150
S4 Flow Cell v1.5				
200 cycle (≤2x100bp)	1600-2000 Gb / 16-20B paired-end reads	Flow Cell	\$13,600	\$18,130
300 cycle (≤2x150bp)	2400-3000 Gb / 16-20B paired-end reads	Flow Cell	\$15,000	\$19,610
	600-750 Gb / 4-5B paired-end reads	Lane	\$4,000	\$5,550
Illumina HiSeq4000 Sequencing				
Service	Description/Output	Unit	NCH/OSUCCC Price	Academic Price
Illumina HiSeq4000				
300 cycle (2x150bp)	90 Gb / 600 million PE reads	Lane	\$2,000	\$2,590
Benchtop Sequencing				
Service	Description/Output	Unit	NCH/OSUCCC Price	Academic Price
Illumina MiniSeq				
High Output 150 cycle (≤2x75bp)	3.3-3.75 Gb / 44-50M PE reads	Flow Cell	\$1,100	\$1,480
High Output 300 cycle (≤2x150bp)	6.6-7.5 Gb / 44-50M PE reads	Flow Cell	\$1,600	\$2,080
Illumina MiSeq				
150 cycle (≤2x75bp)	3.3-3.75 Gb / 44-50M PE reads	Flow Cell	\$1,100	\$1,430
600 cycle (≤2x300bp)	15 Gb / 44-50M PE reads	Flow Cell	\$1,600	\$2,080

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Library Prep Services	Minimum Sample Requirement	NCH/OSUCCC Price	Academic Price
Genomic DNA Library Prep	1	\$175	\$245
Total Stranded RNA Library Prep	1	\$250	\$330
miRNA Library Prep	1	\$225	\$295

Exome Capture Services	Minimum Sample Requirement	NCH/OSUCCC Price	Academic Price
Human Exome Capture (Library Prep Not Included)	1	\$200	\$250

Bioinformatics Analysis Services	Minimum Sample Requirement	NCH/OSUCCC Price	Academic Price
WES 100X	1	\$80	\$200
WES 250X	1	\$100	\$295
WGS 30X	1	\$185	\$450
WGS 60X	1	\$325	\$600
RNA-Seq	1	\$50	\$130

Extraction Services	Minimum Sample Requirement	NCH/OSUCCC Price	Academic Price
Frozen Tissue DNA Extraction	1	\$60	\$75
FFPE DNA Extraction	1	\$60	\$75
Blood DNA Extraction	1	\$50	\$70
Frozen Tissue RNA Extraction	1	\$65	\$90
FFPE RNA Extraction	1	\$65	\$90
Frozen Tissue DNA/RNA Co-Extraction	1	\$75	\$95
FFPE DNA/RNA Co-Extraction	1	\$75	\$95
Covaris Automated Extraction	8	\$50	\$65

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