

## UNIVERSITY OF PITTSBURGH

HEALTHSCIENCES CORE RESEARCH FACILITIES | HSCRF

## GENOMICS RESEARCH CORE

## GENOMICS SERVICES

## Internal Customer Price List (USD)

Process & Description	Sample			Plate	Chip
<b>1. Specimen Processing</b>					
<b>1a. DNA Extraction</b>	<b>1---23</b>	<b>24---287</b>	<b>288+</b>		
3ml Blood	\$33	\$29	\$22		
6ml Blood	\$38	POR	POR		
Qiamp, blood midi kit	\$32	\$27	\$22		
Oragene saliva DNA kit	\$24	\$17	\$13		
	<b>1---23</b>	<b>24---95</b>	<b>96+</b>		
DNeasy, tissue extraction	\$41	\$35	\$27		
<b>1b. RNA Extraction</b>	<b>1---35</b>	<b>36---287</b>	<b>288+</b>		
Paxgene	\$44	\$36	\$31		
	<b>Each (sample)</b>				
Tempus		\$35			
Trizol 2---18mg tissue		\$35			
Trizol 500---1,000mg tissue		\$43			
RNeasy extraction or clean---up		\$36			
<b>1c. DNA/RNA Extraction</b>	<b>Each (sample)</b>				
All prep DNA/RNA extraction		\$60			
<b>1d. Whole Genome Amplification (plate = 96---well)</b>	<b>1---23</b>	<b>24---95</b>	<b>96+</b>		
WGA Repli---G	\$45	\$40	\$35		
Repli---G clean---up	\$22	\$16	\$9		

Process & Description	Sample			Plate			Chip
<b>1. Specimen Processing, continued</b>							
<b>1e. Supplementary Services</b>	<b>1---47</b>	<b>48---95</b>	<b>96+</b>				
Globin Clear, per sample	\$42	\$30	\$25				
Pico/ribo---green, singleread	\$3.25	\$2.50	POR				
Pico/ribo---green, triplicate read	\$8	n/a	n/a				
	<b>Each (sample)</b>						
Ribosomal Reduction	\$115						
							<b>Each</b>
E---gel (1---48lanes)							\$85
							<b>Each</b>
Bioanalyzer (RNA), nano; up to 12 samples							\$87
Bioanalyzer (RNA), pico; up to 11 samples							\$87
Bioanalyzer, high sensitivity (DNA); up to 11 samples							\$120
<b>2. Sequencing (plate = 96---well)</b>							
<b>2a. Capillary (Sanger) Sequencing; ≥24 samples must be in a 96---well plate</b>	<b>Each (sample)</b>						
Sequencing rxn, primer and template provided	\$5.50						
	<b>1---95</b>	<b>96+</b>					
PCR clean---up	\$2	\$1.50					
	<b>Partial plate, multiples of 16 samples</b>			<b>1---10</b>	<b>11---19</b>	<b>≥20</b>	
Capillary Run	\$30			\$150	\$120	\$100	
	<b>Partial plate, multiples of 16 samples</b>			<b>Each</b>			
LIZ standard added	\$9			\$50			
Pooled per plate	\$6			\$40			
Pooled & LIZ standard added	\$15			\$90			

Process & Description	Sample		Plate	Chip
<b>2. Sequencing, continued</b>				
<b>2b. Next Generation Sequencing</b> (each project is unique, please consult with GPCL staff for fees)				
<b>Life Technologies Ion Torrent Sequencing.</b> Resequencing, <i>De novo</i> sequencing, Small genome, Targeted resequencing, Whole exome, Paired end, Fragment, RNASeq, Whole transcriptome, ChIP Seq, MeDIP	POR			
<b>3. Genotyping</b>				
<b>3a. Illumina Infinium;</b> processing per sample; <b>chip not included</b>				<b>&lt;24    24---71    72+</b> <b>price per sample</b>
Illumina Infinium 8+ arrays per chip				\$51          \$41          \$33
<b>3b. Illumina iSelect;</b> 1152 sample minimum; <b>chip not included</b>	<b>1152+</b>	<b>1704+</b>		
Illumina i---select 24 array chips	\$33	POR		
<b>3c. Sequenom iPLEX</b>			<b>&lt;8 plates with &lt; 3 plexes</b>	<b>&gt;8 plates with &gt;3 plexes</b>
iPLEX plates/arrays, 96			\$567	n/a
iPLEX plates/arrays, 384			\$1,410	\$1,125
	<b>Each</b>		<b>Each</b>	
iPLEX primer pooling, per locus	\$8		n/a	
iPLEX multiple pools on 384 well plate per extra pool	n/a		\$100	
Tecan rearray 96 to 384, per 96 well plate	n/a		\$50	
<b>3d. PCR</b>	<b>&lt;23</b>	<b>23---48</b>	<b>48+</b>	
Mouse genotyping (per reaction)	\$10	\$8.50	\$5.50	
<b>3e. Allelic Discrimination Assay</b>	<b>&lt;9 assays, 1 assay/plate</b>	<b>&lt;9 assays, multiple assays/plate</b>		
TaqMan SNP	\$425	\$600		
TaqMan SNP, plate read only			\$5	

Process & Description	Sample			Plate			Chip
<b>4. Expression Analysis</b>							
<b>4a. Realtime PCR (qPCR)</b>	<b>&lt;24</b>	<b>24---47</b>	<b>48+</b>				
TaqMan RT	\$23	\$17	\$15				
	<b>Each (reaction)</b>			<b>&lt;4</b>	<b>4---10</b>	<b>11+</b>	
TaqMan PCR	\$6			\$500	\$400	\$350	
	<b>Each (reaction)</b>			<b>Each (96 or 384 well plate)</b>			
Taqman Mega---Plex RT	\$35			n/a			
Taqman Mega---Plex RT plus PreAmp	\$75			n/a			
Taqman Instrument Run	n/a			\$30			
				<b>Each (384 well array)</b>			
TaqMan Low Density Array --- PI supplied Master Mix				\$75			
	<b>Each (reaction)</b>			<b>1---10 arrays</b>	<b>11+ arrays</b>		
SABiosciences Reverse Transcription	POR			n/a	n/a		
SABiosciences 384 well PCR array	n/a			POR			POR
<b>4c. Affymetrix Microarray; chip not included</b>	<b>&lt;24</b>	<b>24---95</b>	<b>96+</b>				
Affymetrix IVT/cRNA	\$200	\$165	\$145				
Affymetrix Whole Transcriptome Array	\$87	\$45	\$40				
							<b>&lt;24</b> <b>24---95</b> <b>96+</b>
Affymetrix hyb, wash, stain							\$130   \$100   \$90
<b>5. Epigenetic Analysis</b>							
<b>5a. Illumina Infinium; chip not included</b>							<b>&lt;24</b> <b>24---71</b> <b>72+</b>
							<b>price per sample</b>
Human Methylation BeadChip							\$66   \$57   \$52

<b>Process &amp; Description</b>	<b>Sample</b>		<b>Plate</b>	<b>Chip</b>
<b>6. NanoString; codesets and master reagents not included</b>				
<b>7a. Expression profiling</b>	<b>12---47</b>	<b>48+</b>		
NanostringmRNA	\$24	\$20		
<b>7b. Small RNA</b>				
NanostringmiRNA	\$29	\$23		
<b>7c. Copy number variation</b>				
NanostringCNV	\$28	\$21		

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