

## NIH Institute Pricing

Projects approved through the NIH CIDR Program are funded directly to Johns Hopkins University from the supporting NIH Institute. There is no cost to extramural Investigators. Prices include all costs including labor, reagents, pre-testing, 2% positive controls, 2% study duplicates, experimental failure repeats, and indirect costs to JHU. Fees are per experimental sample.

*We make every effort to present standard NIH program costs on this page, but in some instances it is possible a lower price could be negotiated for a particular project. If you have specific questions about pricing for a project, please contact [cidr-info@jhmi.edu](mailto:cidr-info@jhmi.edu).*

Illumina Sequencing		
Whole Genome, low pass 4X*		Inquire for pricing
Whole Genome (30X)	>25 samples	\$1,200-\$1,600 sample number dependent
Whole Exome (51 Mb)	>90% @ 10X to >95% @ 20X	~\$475 - \$800 coverage and sample number dependent
Whole Exome (71 Mb) Includes UTRs	>90% @ 10X to >95% @ 20X	\$540 - \$1,000 coverage and sample number dependent
Whole Exome PLUS (plus 6.8-24 Mb custom regions)		Inquire for pricing
Custom Targeted (500 kb – 34 Mb options)		~\$200 - \$1,500
Custom Targeted (amplicon; 10-250kb)		~\$80-~\$200
<b>* Please Inquire for other options. If FFPE DNA Source, costs increase ~ 25%. Somatic variation calling is supported for tumors.</b>		
Affymetrix Genotyping - GWAS and Custom		
UK Biobank 821K Axiom Array		~\$150 - \$210 Inquire for pricing, sample number dependent
Custom Array (up to 750K SNPs)		~\$180 - \$240 Inquire for pricing
Custom Array (up to 50K SNPs)		~\$120 - \$170 Inquire for pricing

Illumina Genotyping – GWAS					
Omni5		Omni 2.5		Multi_Ethnic	
Omni 5/plus exome	\$450/\$470	Omni 2.5/plus exome	\$310/\$330	Global	\$130-\$165
OmniExpress		Global/Asian Screening Array		Core	
OmniExpress/plus Exome	\$170/\$190	Global/Asian Screening	\$75-\$100	Core/plus Exome	\$95/\$115
<b>PLUS OPTIONS: Custom content can be added to most GWAS and Consortium arrays. Please Inquire for pricing. If FFPE DNA Source cost increases by \$100 per sample.</b>					

<b>* Common Custom Add-On Content (“Plus” Illumina Arrays) Price Inquiry Examples</b>					
Up to 250K Beadtypes can be added to most Arrays. <u>Please Inquire if desired option not shown.</u> Prices below are in addition to the price of the standard content of the array.					
Max Attempted Beadtypes	Minimum Project Size (samples)				
	2,000	4,000	5,000	7,500	10,000
5,000	\$18	\$18	\$9	\$6	\$6
10,000	\$43	\$43	\$21	\$14	\$14
20,000	\$71	\$47	\$37	\$23	\$18
50,000	\$178	\$117	\$88	\$58	\$44

Other Illumina Array Options	
<b>Exome Array</b>	
HumanExome BeadChip	Inquire for pricing
<b>Consortium Developed Arrays</b>	
DrugDev, H3AfricaArray, ImmunoArray, OncoArray, PsychArray, QC	Inquire for pricing
<b>Methylation</b>	
MethylationEPIC	\$375
Custom	Inquire for pricing
<b>FFPE Sample Services</b>	
Available for all Arrays	Costs increase by \$100
Available for Exome Sequencing	Costs increase by ~25%
<b>Linkage</b>	
HumanLinkage Illumina Human Linkage-24 array has been discontinued. Illumina QC array will be substituted	\$40
Mouse Linkage - GigaMUGA Array	\$160

<b>iSelect Infinium Custom SNP Panels</b>						
<b>Maximum Attempted Beadtypes</b>	<b>Minimum Project Size (samples)</b>					
	<b>1,080</b>	<b>1,800</b>	<b>3,780</b>	<b>5,670</b>	<b>9,360</b>	<b>&gt;18,720</b>
6,000	\$107	\$103	\$96	\$90	\$86	Inquire for pricing
9,000	\$142	\$115	\$102	\$96	\$90	
12,000	\$156	\$127	\$108	\$102	\$96	
15,000	\$176	\$138	\$108	\$102	\$96	
20,000	\$208	\$158	\$118	\$104	\$96	
25,000	\$241	\$178	\$127	\$110	\$98	
35,000	\$305	\$216	\$145	\$123	\$105	
45,000	\$371	\$255	\$164	\$136	\$112	
55,001- 1,000,000	Inquire for pricing					

<b>Low to Medium throughput Custom SNP Genotyping</b>	
OpenArray Platform: 12-240 custom SNPs, minimum 960 samples	~\$5 - ~\$60 Inquire for pricing
MassArray Platform	Inquire for pricing