

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, positive controls and study duplicates, experimental failure repeats, and indirect costs to JHU. Fees are per experimental sample. All prices include extensive QC, annotation and documentation as well as project level variant calling and assistance with dbGaP posting. GWAS studies include data cleaning and imputation.

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.

Sequencing					
Illumina short-read Whole Genome (30X)		>192 samples		\$500-\$600 sample number dependent, saliva DNA source +25%	
Oxford Nanopore long-read Whole Genome (25-30X)		N50s ~ 30kb includes 5mC & 5hmC methylation		~\$2,000 sample number dependent	
Whole Exome		>90% @ 20X		~\$300-\$400 sample number dependent	
Tumor Whole Exome, FFPE DNA source, mean 100X				\$650-\$850 sample number dependent	
Whole Exome Plus Custom content				Inquire for pricing	
Custom Targeted (500 kb – 34 Mb options)				~\$150 - \$1000	
Custom Targeted (amplicon; 10 – 250kb)				~\$80-~\$200	
*Please Inquire for other options. If FFPE DNA Source, costs increase ~ 25%.					
Genotyping by Sequencing					
Low pass whole genome (lpWGS)		0.5X-4X		Inquire for pricing	
Genotyping – GWAS, PGx, PRS					
Global		Screening		Consortium-Developed	
Global Diversity Array	\$115-\$135	Global or Asian	\$80-\$105	Oncoarray	\$90-\$115
Pharmacogenetics		Other Consortium Developed Arrays			
Global Diversity Array + PGx	\$185	Exome Beadchip, DrugDev, H3AfricaArray, ImmunoArray, PsychArray, QC			Inquire for pricing
*PLUS OPTIONS: Custom content can be added to most GWAS and Consortium arrays. Please Inquire for pricing.					
Genotyping - Methylation					
Human EPICv2 array		Mouse		Custom	
\$300-\$350		\$330		Inquire for pricing	
Genotyping - Linkage					
Human (QC array)		Mouse (GigaMUGA Array)			
\$40		\$170			
*Please Inquire for other options. If FFPE DNA Source, costs increase \$100					

***Common Custom Add-On Content (“Plus” Illumina Arrays) Price Inquiry Examples**

Up to 250K Beadtypes can be added to most Arrays. Please Inquire if desired option not shown. **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

iSelect Infinium Custom SNP Panels						
Maximum Attempted Beadtypes	Minimum Project Size (samples)					
	1,080	1,800	3,780	5,670	9,360	>18,720
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					

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