

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.

Illumina Sequencing		
Whole Genome, low pass 4X*		\$850
Whole Genome, 30X	<100 samples	\$2,300
	101-499 samples	\$2,250
	>500 samples	\$2,200
Whole Exome (51 Mb)	>90% @ 10X to >95% @ 20X	~\$475 - \$1,000 Inquire for pricing, coverage and sample number dependent
Whole Exome (71 Mb) Includes UTRs	>90% @ 10X to >95% @ 20X	\$540 - \$1,200 Inquire for pricing, coverage and sample number dependent
Whole Exome PLUS (51 Mb plus 6.8-24 Mb custom regions)		Inquire for pricing
Custom Targeted (500 kb – 34 Mb options)		~\$200 - \$1,500 Inquire for pricing
Custom Targeted (amplicon; 10-250kb)		~\$80-~\$200 Inquire for Pricing
* Please Inquire for other options. If FFPE DNA Source, costs increase ~ 25%. Somatic variation calling is supported for tumors.		

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	\$450	Omni 2.5	\$310	AMR/AFR or EUR/EAS/SAS subset	\$165
Omni 5 plus Exome	\$470	Omni2.5 plus Exome	\$330	Global	\$175
OmniExpress		Global Screening Array		Core	
OmniExpress	\$170	Global Screening	Please inquire	Core	\$95
OmniExpress plus Exome	\$190			Core Exome	\$115

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.

*** 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

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

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
MassArray Platform	Inquire for pricing