

## 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).*

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*
Whole Exome (71 Mb) Includes UTRs	>90% @ 10X to >95% @ 20X	\$540 - \$1,200*
Whole Exome PLUS (51 Mb plus 6.8-24 Mb custom regions)		<a href="#">Inquire for pricing</a>
Custom Targeted (500 kb – 34 Mb options)		\$200 - \$1,500*
Custom Targeted (amplicon; 10-250kb)		\$80-~\$200*
<p><b>* Price dependent on coverage needed and number of samples. Please inquire for exact pricing. If DNA source is FFPE, costs increase ~ 25%. Somatic variation calling is supported for tumors.</b></p>		

## Genotyping

### Custom Genotyping

#### Low-Throughput Options

Number SNPs	Method	Price
12-240	OpenArray	<a href="#">Inquire for pricing</a>
96+	Genotyping by Sequencing	<a href="#">Inquire for pricing</a>

#### Medium/High Throughput Options

Number SNPs	Method	Price
Up to 50K SNPs	Affymetrix Axiom	\$120-\$170
Up to 750K SNPs	Affymetrix Axiom	\$180-\$240
3000-1,000,000	Illumina Infinium iSelect	<a href="#">Inquire for pricing</a>

Price for all custom projects is dependent on the total numbers of SNPs and samples. Please see tables below for estimated pricing and please inquire for exact pricing.

### GWAS

Array	Price	Method
Omni5/Plus Exome	\$450/\$470	Illumina Infinium
Omni2.5/Plus Exome	\$310/\$330	Illumina Infinium
OmniExpress/Plus Exome	\$170/\$190	Illumina Infinium
Core/PlusExome	\$95/\$115	Illumina Infinium
Multi-Ethnic Global	\$175	Illumina Infinium
Multi-Ethnic subset (AMR/AFR or EUR/EAS/SAS)	\$165	Illumina Infinium
Global Screening Array	<a href="#">Inquire for pricing</a>	Illumina Infinium
UK BioBank Array	\$150-\$210	Affymetrix Axiom

Custom content can be added to most GWAS and Consortium arrays. Please [inquire for pricing](#).  
FFPE sample source increases costs by \$100.

### Consortium Developed Arrays

#### No GWAS Backbone

Array	Price	Method
Exome Array	\$63	Illumina Infinium
QC Array	<a href="#">Inquire for pricing</a>	Illumina Infinium
ImmunoArray	<a href="#">Inquire for pricing</a>	Illumina Infinium

#### Contains GWAS Backbone

Array	Price	Backbone Content
OncoArray	<a href="#">Inquire for pricing</a>	Core
PsychArray	<a href="#">Inquire for pricing</a>	CoreExome
H3Africa	<a href="#">Inquire for pricing</a>	New GWAs content
DrugDev Array	<a href="#">Inquire for pricing</a>	Core

### Linkage

	Price	Method
Human	\$40	Illumina QC Array
Mouse	\$160	Illumina GigaMUGA Array

FFPE sample types supported for most genotyping options; costs increase by \$100

## Methylation

	Price	Method
Genomewide methylation	\$375	Illumina MethylationEPIC Array
Custom	<a href="#">Inquire for pricing</a>	Sequencing

**FFPE sample types supported for most methylation options; costs increase by \$100**

## Cost estimation for GWAS add-on content options

[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.](#)

Maximum 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	<a href="#">Inquire for pricing</a>
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	<a href="#">Inquire for pricing</a>					