

Human Infinium® DNA Microarrays

Catalog Products

Fixed Infinium Genotyping Arrays					
Array Name ^a	No. of Markers	Description ^b	Link to Data Sheet	Kit Size (No. of Samples)	Catalog No.
Infinium Core-24 v1.1	310K	Provides a cost-effective solution for large-scale genotyping studies with flexible capacity for add-on content or customization. Includes genome-wide tag SNPs and additional high-value markers.	Data Sheet	48	20015254
				288	20015255
				1152	20015256
Infinium CoreExome-24 v1.2	550K	Combines content from the Infinium Core-24 BeadChip with content from the Infinium Exome-24 BeadChip.	Data Sheet	48	20015262
				288	20015263
				1152	20015264
Infinium OmniExpress-24 v1.2	710K	Provides high LD coverage of common SNP variation with high-throughput capabilities of thousands of samples per week.	Data Sheet	48	20001122
				288	20001123
				1152	20001124
Infinium Global Screening Array-24 v1.0	640K	Provides a powerful, economical array for population-scale genomic studies. Content includes an imputation-optimized backbone for identifying new associations and clinical research content to screen for known and putative associations.	Data Sheet	48	20005132
				288	20005133
				1152	20005134
Infinium OmniExpressExome-8 v1.4	960K	Combines content from the Infinium OmniExpress-24 BeadChip with content from the Infinium Exome-24 BeadChip.	Data Sheet	16	20004207
				48	20004208
				96	20004209
Infinium OmniExpressExome-8 v1.4	960K	Combines content from the Infinium OmniExpress-24 BeadChip with content from the Infinium Exome-24 BeadChip.	Data Sheet	384	20004330
				16	20004337
				48	20004338
Infinium OmniZhongHua-8 v1.3	880K	Provides exceptional coverage of variation found within Chinese populations.	Data Sheet	96	20004339
				384	20004340
				16	WG-316-1001
Infinium Multi-Ethnic Global-8 v1.0	1750K	Provides a cost-effective solution for understanding complex disease in diverse populations. Features content from 1000G, CAAPA, PAGE, T2D-GENES Consortium, OMIM, ClinVar, ACMG, carrier screening panels, and more. Designed for maximum imputation accuracy.	Data Sheet	48	WG-316-1002
				96	WG-316-1003
				384	WG-316-1004
Infinium Multi-Ethnic AMR/AFR-8 v1.0	1430K	Contains content from Multi-Ethnic Global BeadChip focused on Hispanic and African American populations.	Data Sheet	16	20001090
				48	20001091
				96	20001092
Infinium Multi-Ethnic AMR/AFR-8 v1.0	1430K	Contains content from Multi-Ethnic Global BeadChip focused on Hispanic and African American populations.	Data Sheet	384	20001093
				16	20001100
				48	20001101
Infinium Multi-Ethnic EUR/EAS/SAS-8 v1.0	1480K	Contains content from Multi-Ethnic Global BeadChip focused on European, East Asian, and South Asian populations.	Data Sheet	96	20001102
				384	20001103
				16	20001112
Infinium Omni2.5-8 v1.3	2370K	Provides excellent coverage of common and intermediate SNPs with a design focus on high LD coverage across diverse world populations.	Data Sheet	48	20001113
				96	20001114
				384	20001115
Infinium Omni2.5Exome-8 v1.3	2610K	Combines content from the Infinium Omni2.5-8 BeadChip with content from the Infinium Exome-24 BeadChip.	Data Sheet	16	20003583
				48	20003606
				96	20003607
Infinium Omni2.5Exome-8 v1.3	2610K	Combines content from the Infinium Omni2.5-8 BeadChip with content from the Infinium Exome-24 BeadChip.	Data Sheet	384	20003608
				16	20005150
				48	20005151
Infinium Omni5-4 v1.2	4280K	Provides a high-density array with exceptional coverage of common, intermediate, and rare SNPs.	Data Sheet	96	20005152
				384	20005153
				16	20005140
Infinium Omni5Exome-4 v1.3	4550K	Combines content from the Infinium Omni5-4 BeadChip with content from the Infinium Exome-24 BeadChip.	Data Sheet	48	20005141
				96	20005142
				384	20005143

For Research Use Only. Not for use in diagnostic procedures.

Fixed Infinium Genotyping Arrays cont.					
Array Name	No. of Markers	Description	Link to Data Sheet	Kit Size (No. of Samples)	Catalog No.
Infinium Exome-24 v1.1	240K	Provides exceptional coverage of putative functional exonic variants selected from over 12,000 individual whole-exome and whole-genome sequences.	Data Sheet	48	20015246
				288	20015247
				1152	20015248
Infinium ImmunoArray-24 v2.0	250K	Provides a comprehensive, immunology-focused array containing expert-selected markers for common autoimmune diseases. Limited genome-wide coverage, but flexible options available to combine with various whole-genome wide backbones.	Data Sheet	48	WG-357-1001
				288	WG-357-1002
				1152	WG-357-1003
Infinium OncoArray-24 v1.0	500K	Includes over 240K markers from Infinium Core-24 augmented with genetic variants associated with breast, colorectal, lung, ovarian, and prostate cancers. Developed in collaboration with the OncoArray consortium.	Data Sheet	48	WG-355-1001
				288	WG-355-1002
				1152	WG-355-1003
Infinium PsychArray-24 v1.2	590K	Includes genetic variants associated with psychiatric predisposition and risk. Developed in collaboration with the Psychiatric Genomics consortium. Based on the Infinium CoreExome-24 backbone.	Data Sheet	48	20015238
				288	20015239
				1152	20015240
Infinium QC Array-24 v1.0	20K	Provides cost-effective sample quality control and tracking for biobanking and high-throughput genomics, offering robust fingerprinting resolution and high-value content for sample stratification upstream from NGS or other processes.	Data Sheet	48	20004347
				288	20004348
				1152	20004349
Semi-Custom Infinium Genotyping Arrays					
Array Name	Add-on Capacity ^c	Description	Link to Data Sheet	Kit Size (No. of Samples)	Catalog No.
Infinium Core-24+ v1.1	300K	Includes content from the Infinium Core-24 BeadChip with the ability to add on custom content.	Data Sheet	48	20015257
				288	20015258
				1152	20015259
Infinium CoreExome-24+ v1.2	100K	Includes content from the Infinium CoreExome-24 BeadChip with the ability to add on custom content.	Data Sheet	48	20015265
				288	20015266
				1152	20015267
Infinium OmniExpress-24+ v1.2	30K	Includes content from the Infinium OmniExpress-24 BeadChip with the ability to add on custom content.	Data Sheet	48	20001125
				288	20001126
				1152	20001127
Infinium Global Screening Array-24+ v1.0	50K	Includes content from the Infinium Global Screening Array-24 BeadChip with the ability to add on custom content.	Data Sheet	48	20005135
				288	20005136
				1152	20005137
Infinium OmniExpressExome-8+ v1.4	30K	Includes content from the Infinium OmniExpressExome-8 BeadChip with the ability to add on custom content.	Data Sheet	16	20004331
				48	20004332
				96	20004333
Infinium Multi-Ethnic Global-8+ v1.0	250K	Includes content from the Infinium Multi-Ethnic Global-8 BeadChip with the ability to add on custom content.	Data Sheet	384	20004334
				16	WG-316-1011
				48	WG-316-1012
Infinium Multi-Ethnic AMR/AFR-8+ v1.0	250K	Includes content from the Infinium Multi-Ethnic AMR/AFR-8 BeadChip with the ability to add on custom content.	Data Sheet	96	WG-316-1013
				384	WG-316-1014
				16	20001094
Infinium Multi-Ethnic EUR/EAS/SAS-8+ v1.0	250K	Includes content from the Infinium Multi-Ethnic EUR/EAS/SAS-8 BeadChip with the ability to add on custom content.	Data Sheet	48	20001095
				96	20001096
				384	20001097
Infinium Multi-Ethnic EUR/EAS/SAS-8+ v1.0	250K	Includes content from the Infinium Multi-Ethnic EUR/EAS/SAS-8 BeadChip with the ability to add on custom content.	Data Sheet	16	20001104
				48	20001105
				96	20001106
Infinium Omni2.5-8+ v1.3	200K	Includes content from the Infinium Omni2.5-8 BeadChip with the ability to add on custom content.	Data Sheet	384	20001107
				16	20001116
				48	20001117
				96	20001118
				384	20001119

For Research Use Only. Not for use in diagnostic procedures.

Semi-Custom Infinium Genotyping Arrays cont.					
Array Name	Add-on Capacity	Description	Link to Data Sheet	Kit Size (No. of Samples)	Catalog No.
Infinium Exome-24+ v1.1	400K	Includes content from the Infinium Exome-24 BeadChip with the ability to add on custom content.	Data Sheet	48	20015249
				288	20015250
				1152	20015251
Infinium ImmunoArray-24+ v2.0	390K	Includes content from the Infinium ImmunoArray-24 BeadChip with the ability to add on custom content.	Data Sheet	48	WG-357-1011
				288	WG-357-1012
				1152	WG-357-1013
Infinium OncoArray-24+ v1.0	120K	Includes content from the Infinium OncoArray-24 BeadChip with the ability to add on custom content.	Data Sheet	48	WG-355-1001
				288	WG-355-1002
				1152	WG-355-1003
Infinium PsychArray-24+ v1.2	60K	Includes content from the Infinium PsychArray-24 BeadChip with the ability to add on custom content.	Data Sheet	48	20015241
				288	20015242
				1152	20015243

Epigenetics Arrays					
Array Name	No. of Markers	Description	Link to Data Sheet	Kit Size (No. of Samples)	Catalog No.
Infinium MethylationEPIC	870K	Provides exceptional coverage of CpG islands, RefSeq genes, ENCODE open chromatin, ENCODE transcription factor binding sites, and FANTOM5 enhancers.	Data Sheet	16	WG-317-1001
				32	WG-317-1002
				96	WG-317-1003

Cytogenetics and IVF Arrays					
Array Name	No. of Markers	Description	Link to Data Sheet	Kit Size (No. of Samples)	Catalog No.
Infinium HumanCytoSNP-12 v2.1	300K	Provides efficient, high-throughput analysis of genetic and structural variations that are highly relevant to human disease.	Data Sheet	12	WG-320-2101
				24	WG-320-2102
				48	WG-320-2103
				288	WG-320-2104
				1152	WG-320-2105
Infinium CytoSNP-850K v1.1	840K	Provides comprehensive coverage of cytogenomic-relevant genes for studies associated with congenital disorders and cancer.	Data Sheet	8	WG-322-1101
				16	WG-322-1102
				48	WG-322-1103
				96	WG-322-1104
Infinium HumanKaryomap-12	300K	Includes highly informative markers in the genome for insight into the inheritance of single-gene defects.	N/A	24	RH-103-1001

- a. For more information, visit the Library Prep and Array Kit Selector at www.illumina.com/library-prep-array-kit-selector.html
- b. Abbreviations: SNP: single nucleotide polymorphism; LD: Linkage Disequilibrium; 1000G: 1000 Genomes Project; CAAPA: Consortium on Asthma among African-ancestry Populations in the Americas; PAGE: Population Architecture using Genomics and Epidemiology; T2D-GENES: Type 2 Diabetes Genetic Exploration by Next-generation sequencing in multi-Ethnic Samples; OMIM: Online Mendelian Inheritance in Man; ACMG: American College of Medical Genetics and Genomics; NGS: next-generation sequencing; RefSeq: Reference Sequence; ENCODE: Encyclopedia of DNA Elements.
- c. Number of bead types.

Consortia Products^a

Array Name	No. of Markers	Description ^b	Link to Data Sheet	Kit Size (No. of Samples)	Catalog No.	BeadChip Part No.
Infinium Neuro Consortium Array	490K	Developed in collaboration with the Neuro Array consortium, content includes the Infinium CoreExome-24 backbone and 180K markers associated with common neurodegenerative diseases.	Data Sheet	48	20015257	20013217
				288	20015258	
				1152	20015259	
Infinium Global Screening Consortium Array	660K	Provides a powerful, economical array for population-scale genomic studies. Content includes an imputation-optimized backbone for identifying new associations and clinical research content to screen for known and putative associations. Only available to consortium members.	N/A	48	2005135	20010441
				288	20005136	
				1152	20005137	
Infinium DrugDev Consortium Array v1.1	490K	Combines genome-wide tag SNP content from the Infinium Core-24 BeadChip with a novel, 180K custom marker set designed to support research studies of drug target discovery, validation, specificity, and treatment response.	Data Sheet	48	20015257	20010440
				288	20015258	
				1152	20015259	

a. Illumina consortia products are community-driven and are supported as custom products.

b. Abbreviations: SNP: single nucleotide polymorphism.

Learn More

For more information on consortia arrays, visit www.illumina.com/applications/genotyping/consortia.html

For availability of other consortia arrays, contact consortiamanager@illumina.com. New products are regularly developed.

For more information on any of these products or to place an order, contact a genotyping specialist or a local sales representative:

North America: 800.809.4566

Europe, Middle East, Africa: +44.1799.534000

Other regions: www.illumina.com/company/contact-us.html