



Infinium iSelect HD and HTS Custom Genotyping BeadChips

Interrogate virtually any target across any species to create a fully customized genotyping array tailored to your unique study needs. [Read More...](#)

Select Product(s)

- iSelect HD Custom BeadChip (24-sample, 3,072-90K)** Request Pricing
WG-401-1004
- iSelect HTS Custom BeadChip (24-sample, 90,001-700K)** Request Pricing
WG-405-1004
- Infinium HD iSelect-24+ Kit (24 samples, up to 90K)** Request Pricing
WG-401-1014

[Show 9 More](#)

Accessory Products
What accessories do I need?

- Infinium Starter Hardware Kit (110V)** Request Pricing
WG-15-304
- Infinium Starter Hardware Kit (220V)** Request Pricing
WG-15-305

Infinium Accessory Starter Kit - Mid Throughput (110V) Sign in to see pricing and favorite products.
WG-15-306

[Show 9 More](#)

[Add To Cart](#)

Product Highlights

The Infinium iSelect microarray offers the ability to interrogate virtually any target (e.g. SNP, CNV, indel) across any species. Take advantage of proven Infinium assay technology to create a fully customized design that is tailored to your unique study needs.

Design a custom genotyping panel that supports up to 700k custom targets (SNPs, indels, and CNVs). The Infinium iSelect can be deployed on either the 24-sample HD (3072 to 90,000 BeadTypes) or 24-sample HTS (90,001 to 700,000 BeadTypes). Creation of these custom assays enables focused, high-throughput genotyping applications tailored to specific project needs.

Keep up-to-date with new discoveries by revising custom content through the Infinium iSelect + (add-on content) option. The Infinium iSelect+ option allows researchers to combine existing marker sets with new, unique content to create a single BeadChip array, thereby increasing the efficiency and cost-effectiveness of custom studies.

Specifications

Number of Markers	iSelect HD: 3072 to 90,000 custom markers, iSelect HTS: 90,000 to 700,000 custom markers
Sample Throughput	Up to 5760 samples per week
Input Quantity	200 ng
Species Category	Any Species, Hamster, Plant, Porcine, Ovine, Rice, Virus, Drosophila, Yeast, Mouse, Shrimp, Zebrafish, Tomato, Maize, Bovine, Mammalian, Canine, Rat, Chicken, Soybean, Human, Equine, Bacteria, Nematode
Assay Type	Infinium HD Ultra, Infinium HTS
Automation Capability	Automated Array Loader, Liquid Handling Robots
Variant Class	Copy Number Variants (CNVs), Germline Variants, Insertions-Deletions (indels), Single Nucleotide Polymorphisms (SNPs), Structural Variants
Method	Custom Array
System Compatibility	HiScan, iScan
Technology	Microarray
Specialized Sample Types	FFPE Tissue
Nucleic Acid Type	DNA

Example Workflow



Customer Stories



Finding the Genetic Voice Underlying Language and Reading Disorders
 Yale researchers use Infinium arrays and the HiSeq System to uncover genetic variants associated with developmental language and reading disorders.

[Read More >](#)



High-Throughput Genotyping Informs Selective Breeding of Livestock
 GeneSeek develops custom arrays based on Infinium technology, enabling cost-effective genotyping that provides ranchers with the information they need to improve herds.

[Read More >](#)

Product Literature

- Custom Cluster File Creation for Improved Copy Number Analysis
Technical Note | PDF < 1 MB
- Infinium iSelect Custom Genotyping Assays
Technical Note | PDF < 1 MB
- Illumina Custom Genotyping Options
Data Sheet | PDF < 1 MB
- Illumina Custom Infinium Genotyping
Data Sheet | PDF < 1 MB

Manuals and Support Information

- iSelect 24x1HTS BeadChip Kit Support Documentation
- iSelect 24x1HD BeadChip Kit Support Documentation
- All iSelect 24x1HTS BeadChip Kit Support
- All iSelect 24x1HD BeadChip Kit Support

Find the Right Microarray
 Use our interactive tool to find the right Illumina microarray for your project type and method of interest.

[Access Tool](#)



Related Products



Infinium XT
 Infinium XT is a comprehensive microarray solution that enables production-scale genotyping of up to 50,000 single or multi-species custom variants.



Infinium Hardware Kits
 These kits include the hardware, software, and accessories needed to process multiple BeadChip array samples in parallel.



Infinium Automation Option Packages
 These packages include robotic liquid handling capabilities, control software, and other automation options to streamline the array workflow and reduce errors.

Related Solutions

BeadArray Microarray Technology

This high-throughput bead-based microarray technology provides rapid results while maintaining high data quality.

[Learn More](#)

Custom Genotyping

Custom array and sequencing solutions offer the most flexible content for any study, from targeted genotyping to genome-wide association studies.

[Learn More](#)

High-Throughput Genotyping for Translational Research

Large-scale genotyping with microarrays can identify variants associated with disease risk in large cohorts or populations.

[Learn More](#)

[Back to Top](#) ↑

Innovative technologies

At Illumina, our goal is to apply innovative technologies to the analysis of genetic variation and function, making studies possible that were not even imaginable just a few years ago. It is mission critical for us to deliver innovative, flexible, and scalable solutions to meet the needs of our customers. As a global company that places high value on collaborative interactions, rapid delivery of solutions, and providing the highest level of quality, we strive to meet this challenge. Illumina innovative sequencing and array technologies are fueling groundbreaking advancements in life science research, translational and consumer genomics, and molecular diagnostics.

For Research Use Only. Not for use in diagnostic procedures (except as specifically noted).

© 2019 Illumina, Inc. All rights reserved.

All trademarks are the property of Illumina, Inc. or their respective owners.
For specific trademark information, see sapac.illumina.com/company/legal.html.

