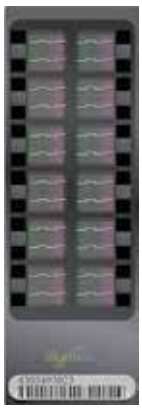
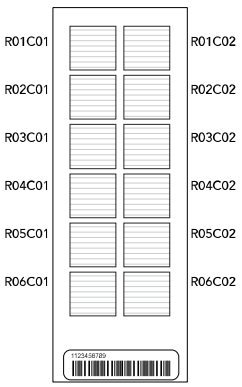
HumanOmniExpress BeadChip

Product Information

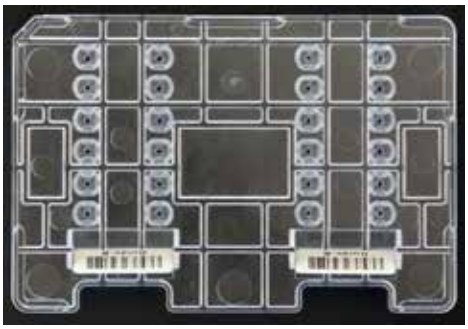
Product Information

Array Product Group	Infinium
Array Product Name	HumanOmniExpress-12 v1.0 DNA Analysis BeadChip
Number Of Sample Sections	12
Number of Markers	733,202
DNA Input Requirements	200 ng at 50 ng/µl
Assay Type	Infinium HD Ultra Assay
Marker List	http://www.illumina.com/Documents/products/marker_lists/marker_list_human_omni_express.zip
Array Product Image	
Array Sample Section Nomenclature	

For more information about this product, such as coverage and applications, please refer to the product data sheet (http://www.illumina.com/Documents/products/datasheets/datasheet_human_omni_express.pdf).

Automated Processing

Robot Process	MSA3
Robot Code Version	Illumina Automation Control v4.0.5+
Robot Tip Guide	Guide-B (Catalog # SE-104-1006)



Robot Base Plate	2-BeadChip Base Plate (included with automation hardware package)

Assay Documentation

User Guide	Infinium HD Ultra User Guide (Part # 11328087)
Manual Experienced User Card (EUC)	Infinium HD Ultra Manual EUC (Part # 11328095)
Automated Experienced User Card (EUC)	Infinium HD Ultra Auto EUC (Part # 11328108)
Lab Tracking Form (LTF)	Infinium HD Ultra Lab Tracking Form (Part # 11328116)
Document Set Catalog #	WG-901-6102
Sample Sheet	Example HD Worksheet (Part # 11328175)

You can download PDFs of these documents from the Illumina website using your iCom login. Go to http://www.illumina.com/support/documentation.ilmn. From the **Category** dropdown list, select **Assays**; from the **Subcategory** dropdown list, select **Infinium DNA Analysis Assay**.

When you click on a document name, you will be asked to log in to iCom. After you log in, you can view or save the PDF. To register for an iCom account, please visit https://icom.illumina.com/Account/Register.

iScan

Scan Settings	Infinium-NXT.scst
iScan Control Software	v3.1.15+
AutoLoader2 / AutoLoader2 Service	v2.2.10 / 2.1.1+
Approximate Array Scan Time (saving locally)	60 minutes per BeadChip

BeadArray Reader

The HumanOmniExpress BeadChip cannot be scanned on the BeadArray Reader.

Data Analysis Software

GenomeStudio Module	Genotyping
GenomeStudio Module Version	v1.6/2010.1+
GenomeStudio User Guides	GenomeStudio Genotyping Module v1.0 User Guide (Part # 11319113) GenomeStudio 2008.1 Framework User Guide (Part # 11318815)
Workstation Requirements	64-bit, 8 GB RAM

Illumina LIMS

Illumina LIMS Compatible	Yes
Illumina LIMS Module	Infinium
Illumina LIMS User Guides	Illumina LIMS User Guide (Part # 15000395) Illumina LIMS Project Manager Guide (Part # 15000396)
Robot Code	Illumina Automation Control v4.0.5+
AutoCall	v1.4.18+
Fluorometer Analysis Software	v4.0.1+
Thermocycler Control Software	N/A
Thermocycler Control Software User Guide	N/A
iScan Control Software	v1.8.13.3+
BeadScan Software	v3.6.17+

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