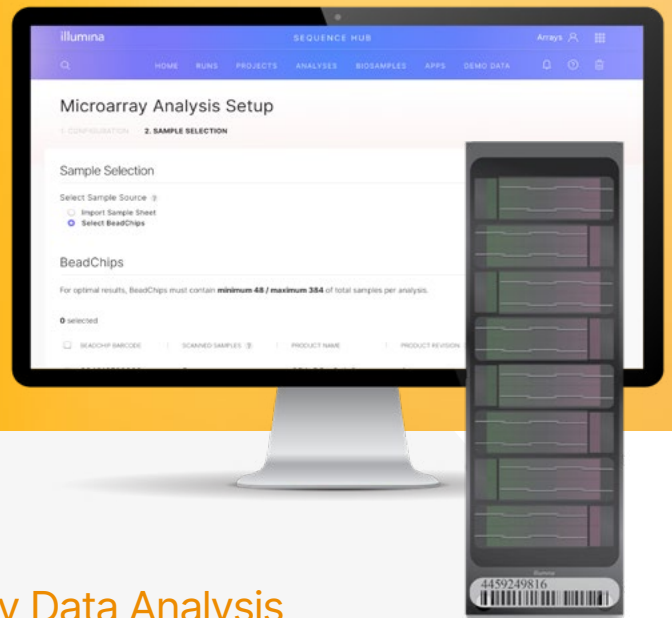


# DRAGEN Array secondary analysis

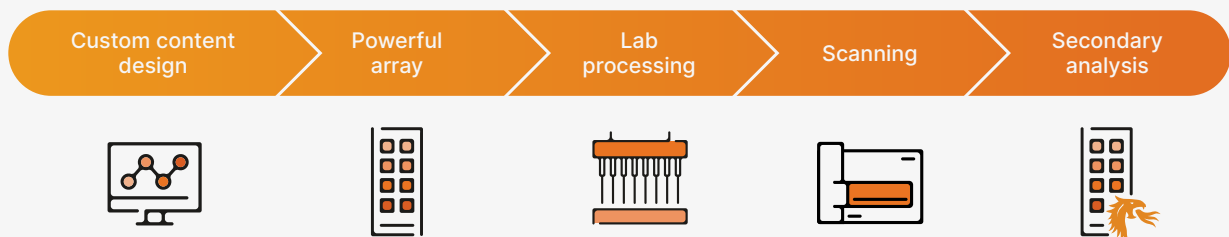


## Revolutionizing Microarray Data Analysis

DRAGEN™ Array secondary analysis is a powerful bioinformatics software for Infinium™ array-based assays.

Developed by the same team behind Illumina's acclaimed DRAGEN secondary analysis algorithms for Next-Generation Sequencing, DRAGEN Array uses cutting-edge technology to deliver accurate, comprehensive, and efficient microarray data analysis, without the need for a specialized server or FPGA hardware.

DRAGEN Array software pairs with the Infinium assay technology, rapid workflow and iScan™ System to create a versatile and comprehensive genotyping-to-analysis solution that maximizes genomic insights.



Unlock new possibilities for your research endeavors

### Accurate



Greater than 99.5% genotyping accuracy and 95% PGx CNV accuracy<sup>1</sup>

### Comprehensive



Extensive coverage across critical genes & target regions with in-depth star allele calling

### Efficient



Accelerate analysis with genotyping VCF in under 35 seconds per sample<sup>2</sup>

1 – Illumina data on file, 2023. "PGx CNV"  
= Pharmacogenomics Copy Number Variation

2 – Illumina data on file, 2023. "VCF"  
= Variant Call Format

# Precision genotyping and pharmacogenomics capabilities

## Optimized for Infinium array-based assays

The first release of DRAGEN Array powers genotyping analysis and a pharmacogenomics (PGx) analysis pipeline:

**Genotyping:** Single nucleotide variant (SNV) genotyping analysis from any human Infinium microarray.

**CNV analysis:** Copy number variant (CNV) analysis for key PGx genes from any Infinium microarray with enhanced PGx content.

**PGx insights:** Star allele annotation, including metabolizer status, from any Infinium microarray with enhanced PGx content.

Future DRAGEN Array releases will maximize genomic insights and meet your research needs across more applications.



Greater than 95% PGx CNV accuracy demonstrated across all CNV sub-regions<sup>3</sup>



Accurate PGx CNV coverage on 6 target genes across 9 target regions



PGx star allele and variant coverage across 1700+ targets for 50+ genes



Greater than 98% star allele call rate on the elusive CYP2D6<sup>4</sup>



### DRAGEN Array Cloud Analysis

Cloud-based package with intuitive graphical user interface.



### DRAGEN Array Local Analysis

Command-line interface. No specialized server or hardware required.

#### DRAGEN Array Cloud Analysis

Catalog Number: 20109886

DRAGEN Array Cloud - star allele annotation (1 sample). Cost of analysis is calculated on a per sample basis. Genotyping and CNV calling are included with Infinium microarray kits.

Additionally, an Illumina Connected Analytics Annual Subscription is required to facilitate cloud analysis; as well as iCredits for data storage and analysis as needed.

#### DRAGEN Array Local Analysis

Catalog Number: 20109885

DRAGEN Array Local - star allele annotation (1 sample). Cost of analysis is calculated on a per sample basis. Genotyping and CNV calling are included with Infinium microarray kits.

Scan the QR code to learn more about DRAGEN Array

LEARN MORE



3, 4 – Illumina data on file, 2023.

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