One Source
The Agilent Advantage

Agilent promises to deliver trusted answers to your critical questions and challenges — helping achieve excellent outcomes in your laboratory, clinic, organization, and in the world we seek to improve.

Streamlined Complete Trusted

- Inventory management
- End-to-end ordering
- Cost savings with bulk purchases
- Troubleshooting and support
Collaborating for Innovation

Around the globe, we are collaborating and empowering you to find hidden answers. Together, our field application specialists, product specialists, customer support, and bioinformatic experts help you be successful in complex genetic and molecular challenges.

Driving Genomic Science and Technology

Working in the rapidly evolving fields of genomics, you need access to a portfolio of application workflows, solutions and services to help you innovate rapidly and efficiently. Regardless of how wide-ranging you envision your applications, we offer the expertise to support your workflow across detection technology platforms and assay results.

From Sample to Report

Analysis pipeline for reading, indexing, aligning, and variant calling raw sequences yielding PRECISE QC metrics and results

Data management for curated variants and case histories unlock the lab’s knowledgebase for EFFECTIVE use of past experience

FAST

Advanced robotic sample labelling/prep platforms enabling FAST liquid handling and workstation processing

DEPENDABLE

DEPENDABLE target enrichment panels and microarray designs accurately identify and select regions of interest

PRECISE

Analysis pipeline for reading, indexing, aligning, and variant calling raw sequences yielding PRECISE QC metrics and results

INTELLIGENT

INTELLIGENT variant interpretation support across technologies, applications that’s highly configurable and content-rich

EFFECTIVE

Data management for curated variants and case histories unlock the lab’s knowledgebase for EFFECTIVE use of past experience

To Report

Figure: Technologies and applications supported by Agilent’s genomics portfolio of instruments, reagents, and software.
Array Workflow

From Sample

GenetiSure PreScreen
SureTag Labeling Kit
Rubicon PicoPlex*
SureSelect QXT transposases (enzymatic shearing)
SureSelect, SureSelect RNA Direct, HaloPlex HS
TapeStation System, Bioanalyzer System
Exomes, Focused Exome
ClearSeq panels
Custom panels
Support for major sequencing platforms
TapeStation System, Bioanalyzer System FFPE QC qPCR Kit,
Alissa Align & Call
SureCall, Strand NGS*
Bravo
Amplicon-based panels
TapeStation System, Bioanalyzer System
Exomes, Focused Exome
CleanSeq panels
Custom panels
Support for major sequencing platforms
Alissa Align & Call
SureCall, Strand NGS*
MASTR Reporter

NGS Workflow

Postnatal
Germline Cancer
Somatic Cancer

To Report

CGH
FISH
NGS

Agilent Microarray Advantages

Design
Select
Customize

Oligo Library Synthesis (OLS) platform to:
– Leverage microarrays, target enrichment, and FISH technologies
– Create user-defined Oligonucleotides with high sequence fidelity and complexity
– Enable reliable results and content flexibility

Agilent NGS Target Enrichment Advantages

Deeper
Economical
Faster

– Expertly optimized exomes and panels allow you to focus on a subset of the genome
– Choose between amplicon- or capture-based methods to fit your testing needs
– Increased coverage of disease-associated variants at greater depth and lower cost
– Most comprehensive customization abilities on the market

Alissa Clinical Informatics Platform

DNA/RNA data management on a single informatics platform to:
– Interpret both CGH and NGS to call CNVs via NGS data and to run arrays as NGS tests on a single sample
– Improve efficiency in read alignment, variant annotation, interpretation, and reporting
– Shorten your time from raw data alignment, to annotation, to mutation categorization, to results

For regulatory status of the Agilent products listed, please visit us at www.Agilent.com
To Report
End-to-End Data Workflows

Tap into DNA Intelligence Upstream to Better Manage Your Data Workflow Downstream

Empower
Empower your reagents in the upstream workflow with variant guideline automation and easily gain downstream access to interpretation and reporting support

Advance
Advance your analysis with simultaneous detection of SNP, InDel, CNV rearrangements, and LOH mutations

Deliver
Deliver variant assessments and reports with clinical grade reporting templates and variant review tools

DNA/RNA Data Management

Applications
PGT
Prenatal
Postnatal

Somatic Cancer
Germine Cancer

Assays
CGH
NGS

CNV
LOH
SNPs/InDel
LOHCNV
Translocations/Insertions

Analysis
Interpretation
Reporting

Alissa Clinical Informatics

Optimize Your Workflow Across Alissa Clinical Informatics Platform
– One single platform from raw reads to draft lab reports
– Save time with scalable data analysis
– Comprehensive QC metrics at your fingertips
– A team of experts that go the road with you

Innovating for the Future

First DNA microarrays
SureSelect NGS Target Enrichment System
SureFISH, high resolution ISH
Multiplicom clinical workflow solutions
Molecular cancer diagnostics

Bioanalyzer System
Array-based CGH
HaloPlex
TapeStation System
Dako, leader in cancer diagnostics
Cartagenia Bench, variant analysis and interpretation of genomic data
CRISPR oligonucleotide libraries
Alissa Interpret, integrated variant assessment platform
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Learn more:
www.agilent.com