End-to-End Genomic Workflow Solutions

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
End-to-End Workflows
Our genomics portfolio allows you to efficiently implement your standard operating procedures end-to-end at every step along the way. You can seamlessly integrate our easy-to-use, easy-to-buy instruments, reagents, and informatics solutions across your own unique lab from sample DNA/RNA, to raw reads, to final lab reports.

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

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

INTELLIGENT
INTELLIGENT variant interpretation support across technologies, applications that are 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

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

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

END TO END WORKFLOW SOLUTIONS

PGT
Prenatal
Postnatal
Germline Cancer
Somatic Cancer

NGS
CGH
qPCR
FISH
CRISPR
Gene Expression

Figure: Technologies and applications supported by Agilent’s genomics portfolio of instruments, reagents, and software.
To Report
End-to-End Data Workflows

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

Alissa Clinical Informatics Platform
Perform integrated data analysis, interpretation, and reporting in a secure, scalable and compliant environment:
- Hosted
- Fully supported
- Highly customizable

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

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

Applications
Carrier Screening
Prenatal
Postnatal
Somatic Cancer
Germline Cancer

Assays
CGH
ONC
LOH
SNPs/InDel
CNV
NGS
Interpretation

Functionality
Analysis
Interpretation
Reporting
Knowledgebase

Innovating for the Future
1998 Bioanalyzer System
2000 Array-based CGH
2005 Haloplex
2009 SureSelect NGS Target Enrichment System
2011 SureFISH, high resolution ISH
2012 Multiplicom clinical workflow solutions
2015 Dako, leader in cancer diagnostics
2016 Cartagenia Bench, variant analysis and interpretation of genomic data
2017 Alissa Interpret, integrated variant assessment platform
2018 CRISPR oligonucleotide libraries

1998
2000
2005
2009
2011
2012
2015
2016
2017

Molecular cancer diagnostics
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

Learn more:

www.agilent.com