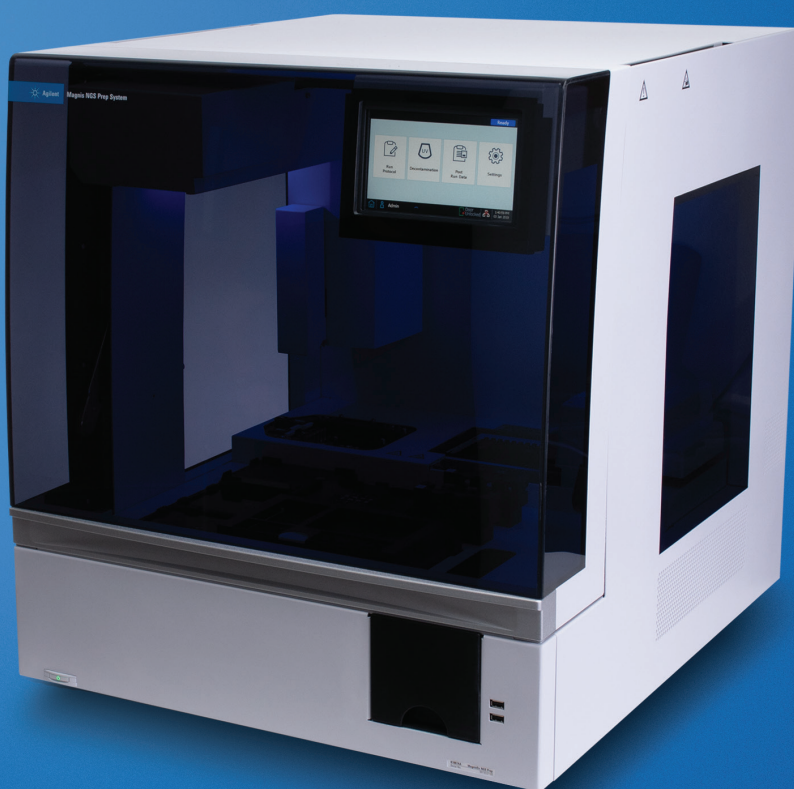


MagnisDx NGS Prep System

Your lab's automated library preparation solution for
next-generation sequencing

For In Vitro Diagnostic Use





Next-generation pathology

Identifying and reporting genetic variations from cancer samples has become routine in biomedical research and is now being translated into diagnostic applications. As personalized medicine becomes the goal for cancer treatment, molecular laboratories need accurate, sensitive, and reproducible results within a fixed budget.

To meet this demand, laboratories are beginning to implement next-generation sequencing (NGS). NGS technology allows molecular pathologists to profile samples for various generic aberrations using a single, cost-effective platform.

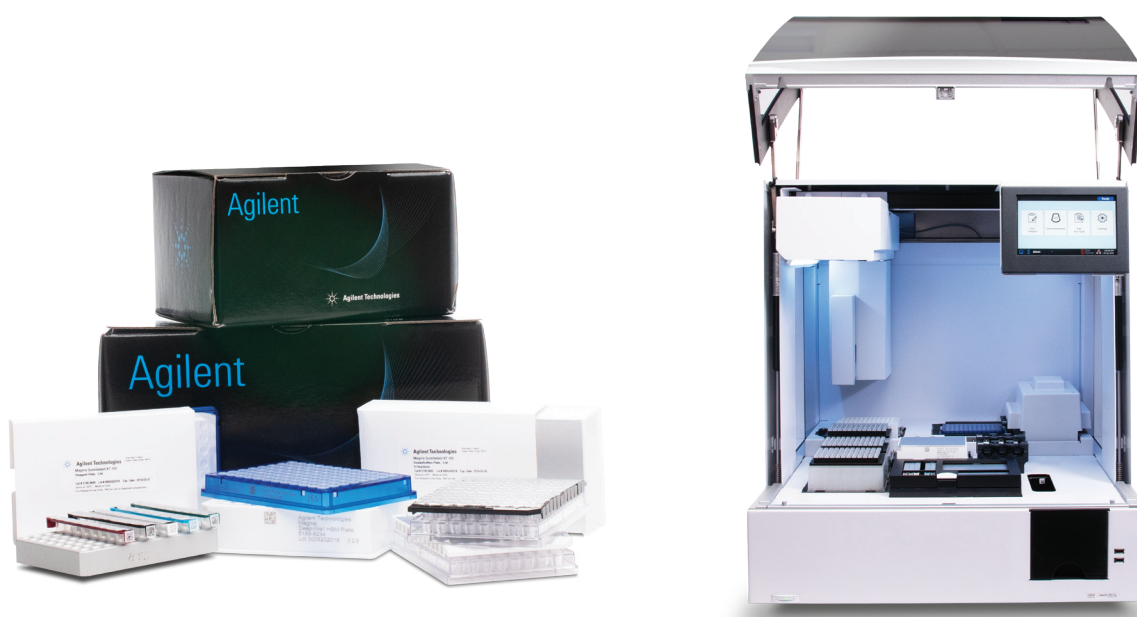
However, there are many challenges associated with bringing technologies and methods to a laboratory. Agilent addresses these critical challenges by providing a comprehensive NGS system – instrumentation, reagents, tools, software, support, and expertise – to equip your lab efficiently.

MagnisDx NGS Prep System

Complete system for NGS preparation

One of the challenges with implementing NGS in a molecular laboratory is the expertise required to develop, optimize, and validate assays and protocols for use in diverse applications. The Agilent MagnisDx NGS Prep system was designed to run complex NGS library assays with minimal technical knowledge and hands-on time – all with the press of a button.

The MagnisDx system is comprised of an instrument, reagents, and protocols. This benchtop instrument self-detects and tunes; the reagents are provided pre-aliquoted; and the system comes with pre-set protocols for Agilent's catalog and custom assays. Once the MagnisDx system is running, the LED status indicator will light up green allowing you to monitor status easily from a distance.



Integrated and automated NGS solutions

The MagnisDx NGS Prep system works seamlessly with our high-quality SureSelect library preparation and target enrichment kits, panels, and reagents. Compatible with catalog and custom SureSelect designs, the MagnisDx enables you to select from existing exome designs or create a panel to suit your specific needs.

Fully automated

Another challenge for laboratories is to maintain trained staff to sustain sample throughput and ensure high-quality results especially with new, complex assays. With automation, the throughput of laboratories dramatically increases with existing staff and the amount of hands-on time decreases, reducing potential errors.

The MagnisDx NGS Prep system is a fully automated solution that requires minimal staff and expertise to run. The onboard wizard allows assays to be set-up in under five minutes. In addition, the system notifies users of reagent placement and status through automated barcode checking. Upon pressing the start button, the user can walk away from the instrument, yet maintain visual progress through the wizard and the LED status indicator.


Reproducible results

Perhaps the biggest challenge for implementing new technologies in labs is insuring the reproducible quality of the results. Leveraging a fully automated system allows for improved standardization of molecular lab procedures no matter who is running them. In addition, adopting NGS technology requires not only bioinformatics tools to analyze and interpret NGS assays, but also brings challenges in data management.

The MagnisDx NGS Prep system combined with the Agilent 4150 TapeStation system provides quality control of the sample throughout the workflow. In addition, MagnisDx was developed to work seamlessly with the leading target enrichment system, SureSelect, for preparing of NGS libraries before sequencing.

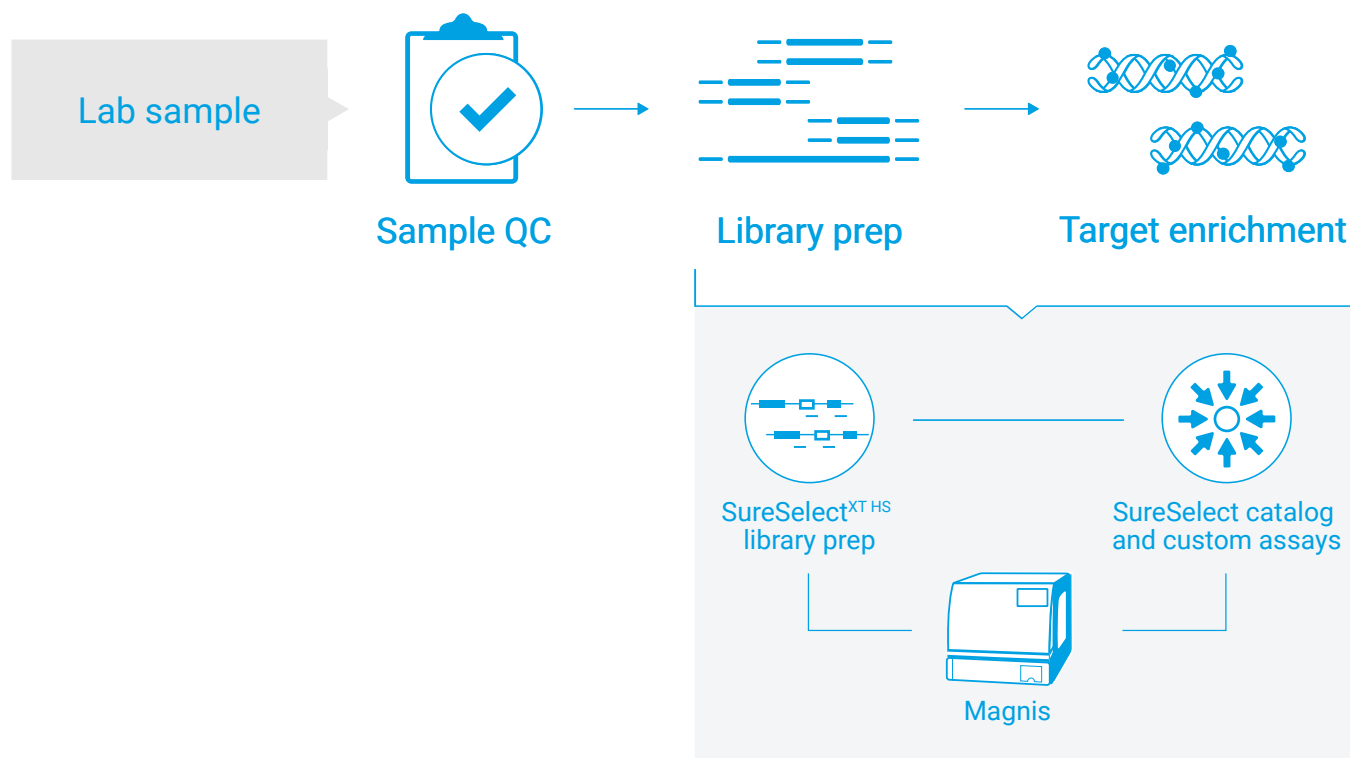


Agilent delivers actionable results from NGS data that are robust, traceable, and reproducible.



The on-board wizard allows assays to set-up in under five minutes.

Agilent Genomics Solutions for NGS



Benefits of choosing Agilent for NGS



Industry leadership in NGS and pathology

Get reliable answers from the experts in NGS preparation (SureSelect) and pathology (Dako).



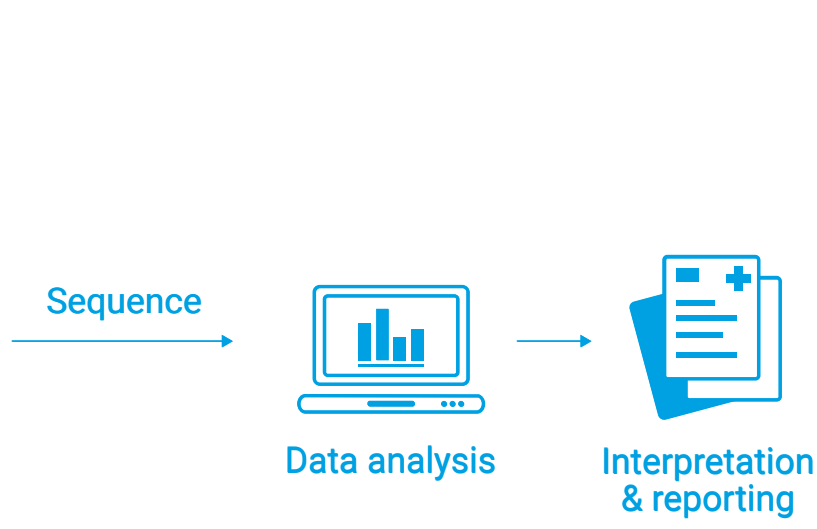
Ease of content optimization

Meet your specific requirements by designing your own assay using Agilent SureDesign, a web-based application for creating custom NGS assays.



Best-in-class support

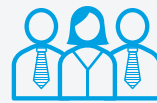
Whether you are experienced or new to NGS, our highly committed support organization stands ready to meet your needs.



Customization
with SureDesign



Automation



Expertise



The onboard wizard
allows assays to be set-up
in under five minutes.

Walkaway automation

- Preconfigured protocols
- Barcoded, aliquoted reagents
- <1 day turnaround time

Learn more:

www.agilent.com/chem/magnisdx

U.S. and Canada

1-800-227-9770

agilent_inquiries@agilent.com

Europe

info_agilent@agilent.com

Asia Pacific

inquiry_lsca@agilent.com

For In Vitro Diagnostic Use.

This information is subject to change without notice.

PR7000-2181

© Agilent Technologies, Inc. 2019, 2022

Published in the USA, November 20, 2022

5994-5512EN

