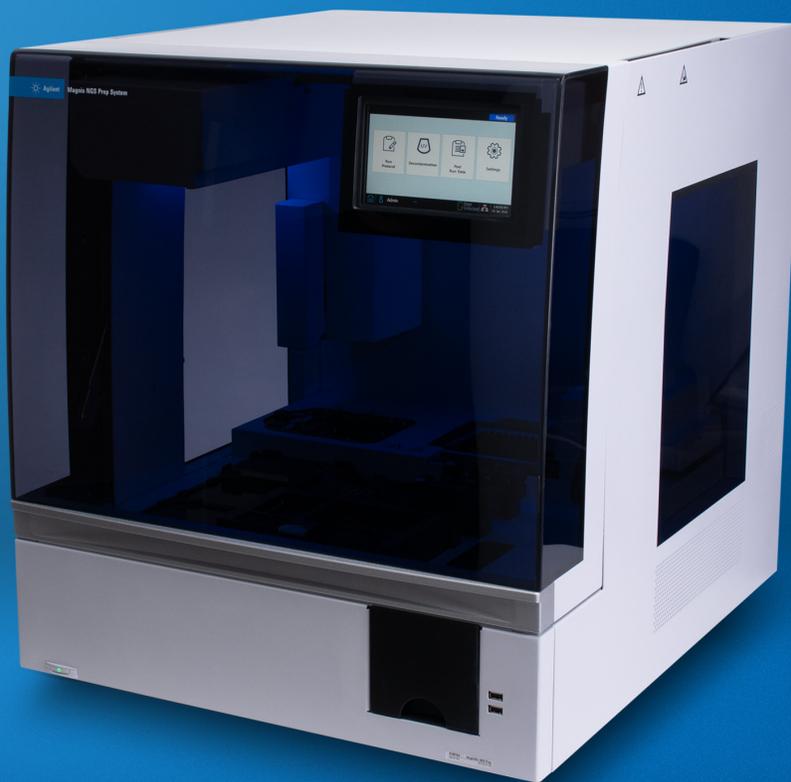


Magnis NGS Prep System

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





Magnis 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 protocols for use in diverse applications. The Agilent Magnis NGS Prep system was designed to run complex NGS library assay with minimal technical knowledge and hands-on time – all with the press of a button.

The Magnis 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 Magnis system is running, the LED status indicator will light up green allowing you to monitor status easily from a distance.



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 genetic 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 complete NGS system – instrumentation, reagents, tools, software, support, and expertise – to equip your lab efficiently.

Agilent CrossLab silver service plan

For dependable lab operations, the Agilent CrossLab silver service plan helps minimize workflow disruptions and optimize productivity in the lab. You get comprehensive instrument repair and maintenance coverage in a single, convenient plan.

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 Magnis 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.

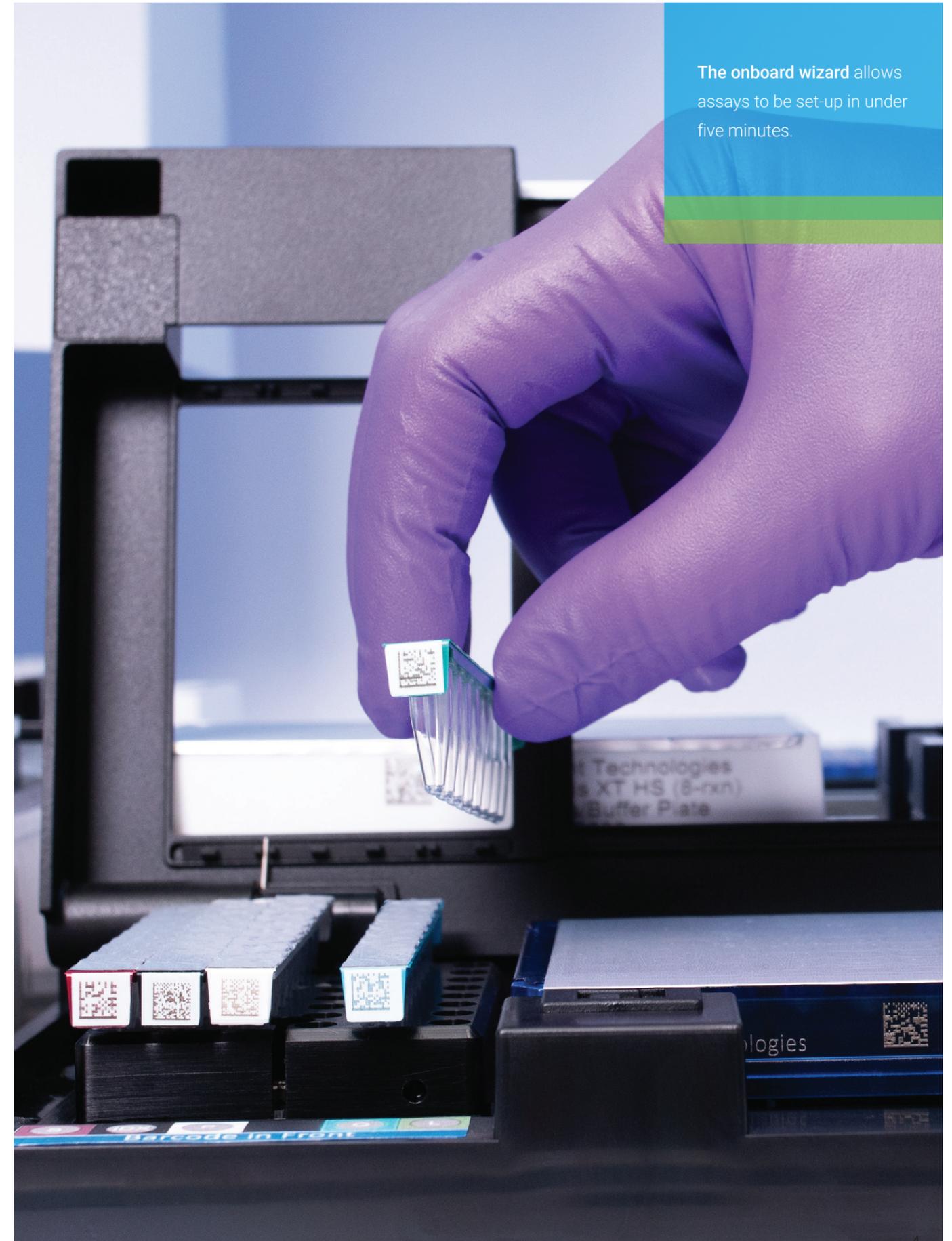
Reproducible results

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.

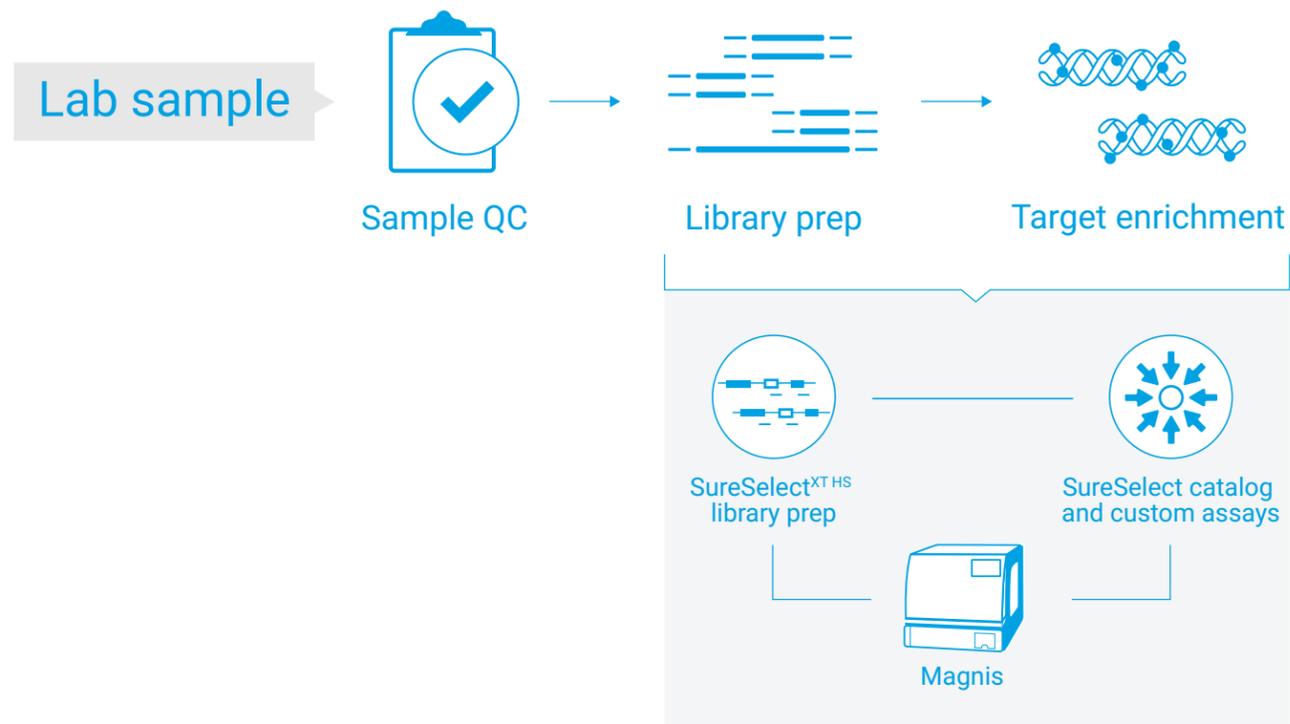
The Magnis NGS Prep system combined with the Agilent 4150 TapeStation system provides quality control of the sample throughout the workflow. In addition, Magnis was developed to work seamlessly with the leading target enrichment system, SureSelect, for preparing of NGS libraries before sequencing.

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

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



Agilent Genomics Solutions for NGS




Customization


Automation


Expertise

Benefits of choosing Agilent for NGS



Industry leadership in NGS and pathology

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



Ease of customization

Meet your specific requirements by designing your own assay using Agilent's 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.



Walkaway automation

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

Learn more:

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