

Agilent Automation Solutions Portfolio

FLEXIBLE AUTOMATION MADE EASY

The Measure of Confidence



Agilent Technologies

AGILENT AUTOMATION SOLUTIONS

Agilent automation solutions combine innovative engineering and workflow integration capabilities with the highest level of customer service and support. With hardware and software controlling more than 140 Agilent and third-party instruments, Agilent continues building on over 13 years of workflow automation expertise.

GENOMICS

- PCR setup/cleanup
- DNA/RNA isolation
- Next gen sequencing
- Microarray-based sample preparation

PROTEOMICS

- Protein analysis
- LC/MS sample preparation
- Biomarker investigation

SCREENING

- High-throughput screening
- Hybridoma assessment
- High content screening
- ELISA

CELL BIOLOGY

- Cell culture
- Cell maintenance
- Cell-based screening

ADME/TOX

- Caco-2
- Cytochrome p450
- Cytotoxicity testing
- Microsomal stability assays

Our automated liquid handling and microplate handling solutions incorporate flexibility and scalability for increased throughput and walkaway time, with uncompromised data quality. Agilent's broad automation portfolio enables customers to automate simple but time-consuming tasks from liquid handling, labeling, centrifugation and sealing, to entire complex biological, biopharmaceutical, and chemical analysis methods.

Customers also benefit from a broad range of Agilent product offerings such as NGS sample preparation reagents, including HaloPlex and SureSelect^{XT}, SureSelect^{XT2}, and SureSelect^{DX} as well as LC/MS instruments, enabling automation of entire workflows from sample preparation to analysis.

For information on automating your application, please contact Agilent today at www.agilent.com/lifesciences/automation.

AUTOMATED LIQUID HANDLING

Innovative liquid handlers represent the strength and core of Agilent's automation portfolio. These instruments combine high-performance liquid handling with flexibility and easy scale-up, giving researchers the highest level of data quality, throughput, and walkaway time.



The Agilent Encore Multispan Liquid Handling System is an innovative platform that combines advanced liquid handling, a built-in robotic arm, and intelligent software control for a new level of productivity and throughput in the lab. The unique multispan pipetting arms enable independent pipetting from 300 nL to 1 mL for true sample-to-analysis automation. An advanced robotic arm with easy-teach button allows for native integration capabilities. Part number: G5477B/G



The Agilent Bravo Automated Liquid Handling Platform unites microplate-based liquid handling with unparalleled versatility and speed in an automation-friendly, compact design. The Bravo Platform has a range of easy-to-swap 96- and 384-channel pipetting heads and on-deck accessories to offer flexibility for a variety of applications. Part number: G5523A/G

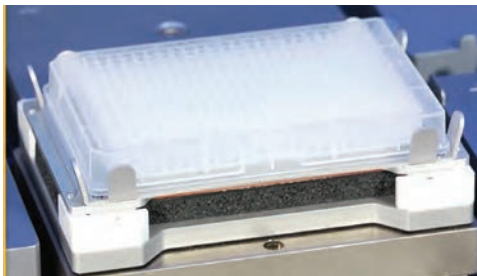


The Agilent Vertical Pipetting Station offers precise microplate-based liquid handling and speed with an ultra-small footprint for optimal integration. Part number: G5401A

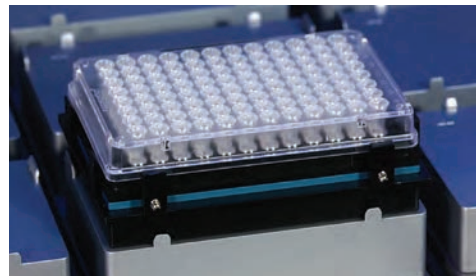
ON DECK ACCESSORIES

For complex workflows and to support diverse biological requirements of various assays, Agilent offers numerous on deck accessories on either the Bravo Platform or the Encore Multispan Liquid Handling System. Here are a few of the available accessories.

For a full list of available accessories, please see the publication No 5991-3294EN or for detailed information on each accessory, please see Publication No. 5991-0369EN.



Heating Shaking Station
G5498B/G#009



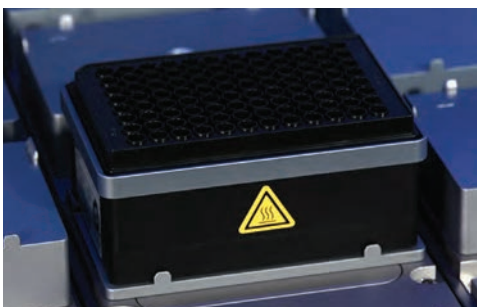
Magnetic Bead Accessory
G5498B/G#008



Thermal Station
G5498B/G#036



Vacuum Filtration Station
G5498B/G#39



Heating Station
G5498B/G#018



Mirrored Barcode Reader
G5498B/G#031

MICROPLATE MANAGEMENT

Agilent microplate management instruments are designed for speed, reliability, and ease-of-use. The small footprint of the instruments and ease of access makes them ideal for robotic integration.



Agilent PlateLoc Thermal Microplate Sealer has distinguished itself as a premier thermal sealer through its speed, small footprint, ease-of-use, and dependability. A variety of seal types are available to meet your specific application needs. Part number: G5402A/G



Agilent MicroPlate Barcode Labeler with optional barcode scanner can custom label one or all four sides of a microplate with a variety of barcode symbologies and human-readable text. Part number: G5404B/G



Agilent Centrifuge is a robot-accessible automated centrifuge that provides both vibration and noise control in a small, low-maintenance package. An optional Centrifuge Loader (pictured) is also available. Part number: G5405A/G



Agilent Microplate Seal Piercer pierces a wide variety of seals on 96- or 384-well microplates in only 4 seconds of cycle time. Part number: G5403A

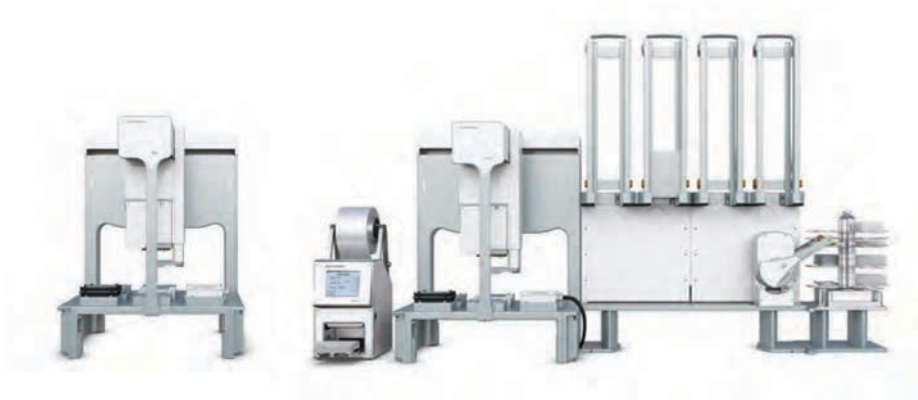


Consumables

Agilent provides high-quality, verified, validated, and application-tested consumables—including seals, tips, labels, and more—for Agilent Automated instruments to ensure optimum results in all your experiments.

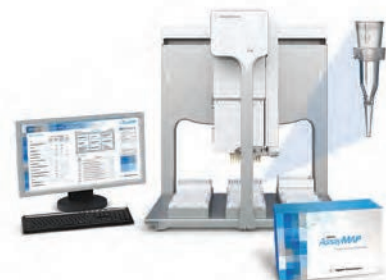
STANDARDIZED APPLICATION SOLUTIONS

These powerful application-specific solutions have been developed to help you achieve excellent reproducibility and throughput using instruments, reagents, protocols, and support from a single vendor.



Agilent NGS Option A and Agilent NGS workstation Option B for Next Generation Sequencing Sample Preparation can easily automate sample preparation. The compact NGS Bravo—Agilent’s modular liquid handling platform—can increase laboratory throughput up to 10-fold over manual preparation. The BenchCel NGS Workstation (NGS Option B) offers the same ultra high-throughput sample preparation with increased walkaway time.

Part number: G5541A for Option A and G5522A for Option B



Agilent AssayMAP Platform for Protein Sample Preparation automates protein purification, peptide mapping, and N-glycan sample preparation workflows. The Agilent AssayMAP Platform—an open access, walkaway automation solution—is designed to increase reproducibility and throughput of complex biomolecule sample preparation workflows.

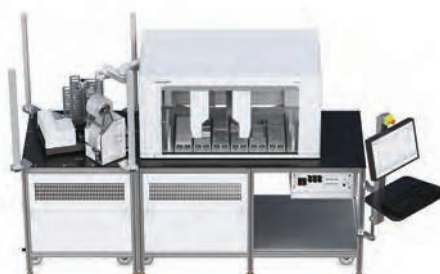
Part number: G5542A

SCALABLE AUTOMATION SOLUTIONS

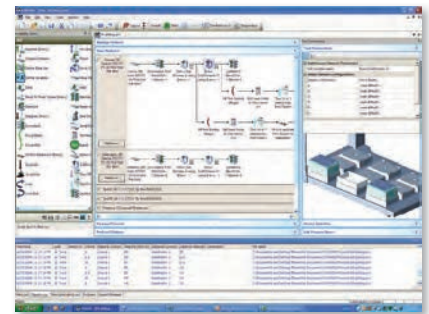
With its long history of providing scalable automation solutions, Agilent can accommodate many assay, throughput, or budget requirements.



The Agilent BenchCel Workstation offers microplate handling and integrated labware storage for benchtop integrations with up to 4 integrated devices.



The Agilent Encore Multispan Workstation utilizes the built in robotic arm of the Encore Multispan to facilitate integrations with devices on either side of the Encore deck for end-to-end workflow automation and maximum walkaway time.



Software and Drivers

To support its workstation solutions, Agilent offers intuitive software capable of integrating over 150 various devices for maximum throughput and optimal resource usage. A graphical user interface allows even novice users to create and run protocols, connect and configure devices, and monitor progress.

Learn more

www.agilent.com/lifesciences/automation

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