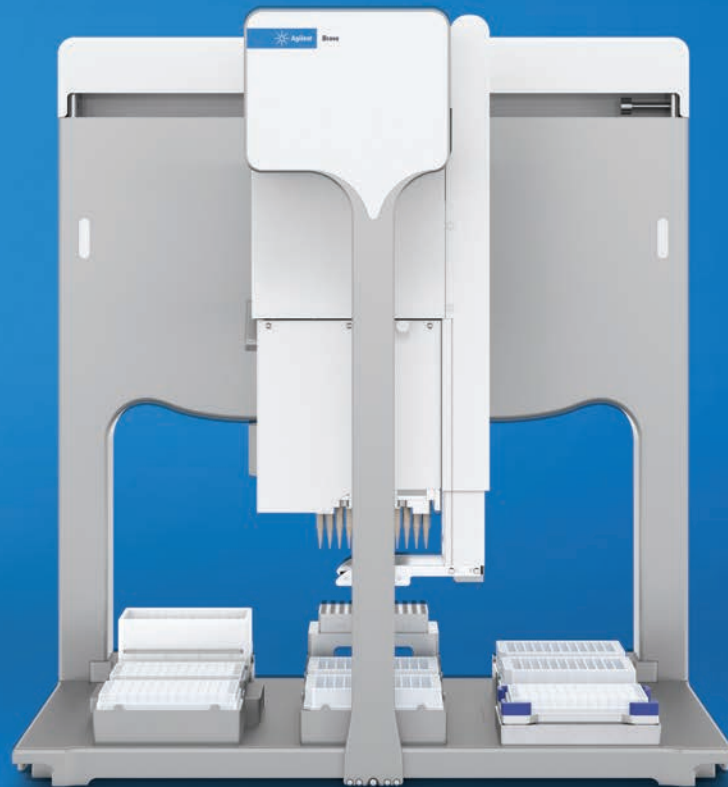


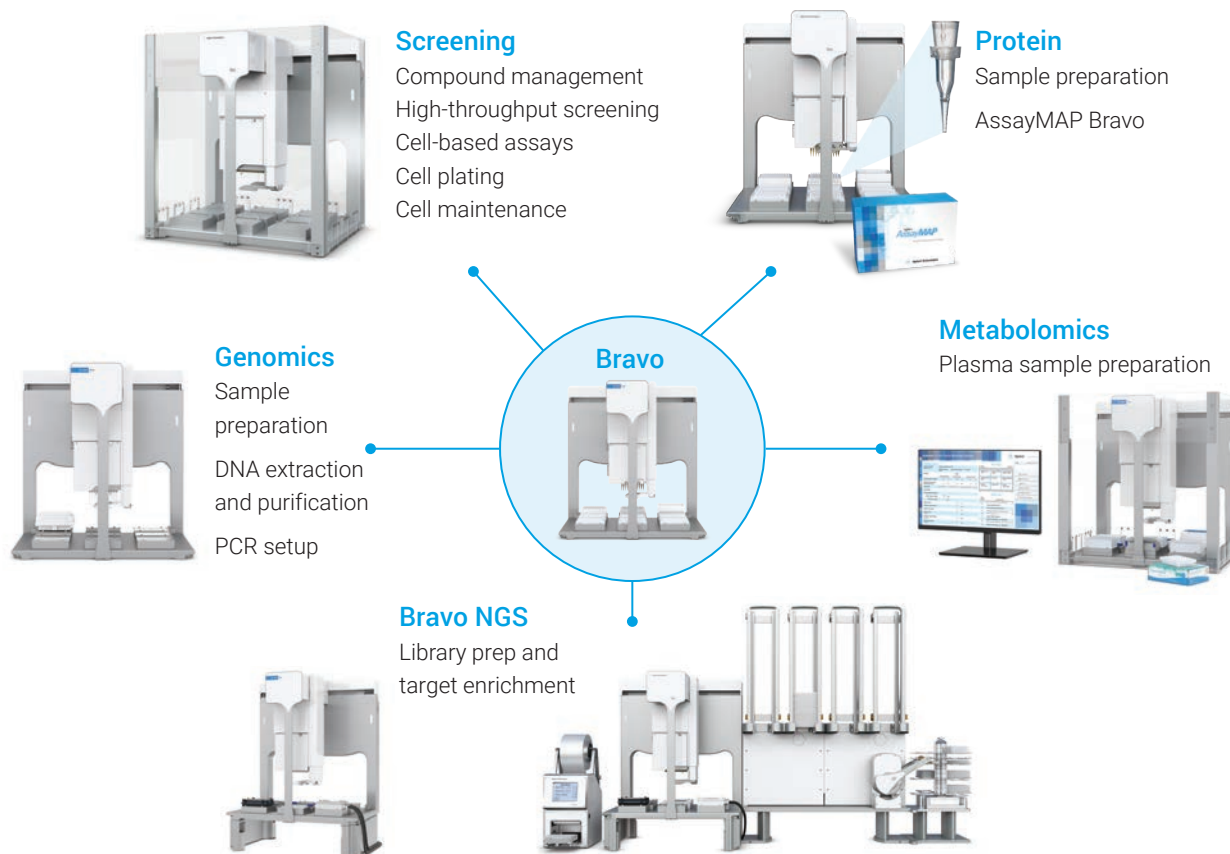
# Consistent, Intuitive Sample Handling in a Small Footprint

Agilent automated sample preparation



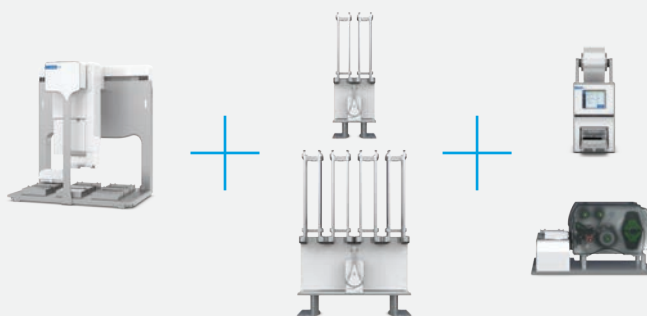
# Designed to Make Life in the Lab Easy

Free yourself up by bringing your application onto the Agilent Bravo platform. Our predeveloped and verified application workflow solutions are optimized for efficiency with minimal assay setup time.



## Full scalability

Scale up your routine plate processing by leveraging an Agilent BenchCel plate stacker to increase walk-away times and at the same time run more samples. Modules such as a plate sealer or labeler can be integrated as needed to simplify your routine tasks for plate stamping, sealing, labeling and serial dilutions.



- Plate sealer
- Microplate labeler
- Microplate centrifuge
- Random access carousel

**Start small and scale up to your needs**





## Get More Done, Faster, with Intelligent Software

With ready-to-use forms and drag-and-drop functionality, Agilent VWorks automation control software is easy to use—even for novice users.

How easy? Simply select and group icons to represent the sequence of tasks in your experiment.

VWorks easily accommodates the need for routine walk-up use—and it can be used to tailor a system to specific sample-preparation needs.

### Ready-to-use forms

**Affinity Purification: Using AssayMAP** v1.0

**Application Settings**

Step	Conduct Step?	Volume (µL)	Flow Rate (µL/min)	Wash Cycles
Initial Syringe Wash	<input checked="" type="checkbox"/>			
Prime	<input checked="" type="checkbox"/>	1000	100	1
Equilibrate	<input checked="" type="checkbox"/>	50	10	1
Load Sample	<input checked="" type="checkbox"/>	200	5	1
Collect Flow Through	<input checked="" type="checkbox"/>			
Cup Wash 1	<input checked="" type="checkbox"/>	25		1
Internal Cartridge Wash 1	<input checked="" type="checkbox"/>	50	10	1
Collect Flow Through	<input checked="" type="checkbox"/>			
Cup Wash 2	<input checked="" type="checkbox"/>	25		1
Internal Cartridge Wash 2	<input checked="" type="checkbox"/>	50	10	1
Collect Flow Through	<input checked="" type="checkbox"/>			
Stringent Syringe Wash	<input checked="" type="checkbox"/>	50		1
Elate	<input checked="" type="checkbox"/>	25	5	1
Elate Discard	<input checked="" type="checkbox"/>	0		1
Add to Flow Through	<input checked="" type="checkbox"/>			
Existing Collection Volume	<input checked="" type="checkbox"/>	0		
Final Syringe Wash	<input checked="" type="checkbox"/>			1

**Deck Layout**

1. Wash Station
2. Cartridges
3. Prime & Equilibrate Buffer
4. Samples
5. Cartridge Wash Buffer 1
6. Cartridge Wash Buffer 2
7. Flow Through Collection
8. Elution & Syringe Wash Buffer
9. Eluate Collection

**Labware Table**

Bank	Location	Labware Type
1		MM Wash Station
2		MM Cartridge & Tip Sealing Station
3	[1] Columns, Low Profile Reservoir, Natural RP	
4	[6] Eppendorf 3127300, PMS, Full Set, PolyPha	
5	[1] Columns, Low Profile Reservoir, Natural RP	
6	[1] Columns, Low Profile Reservoir, Natural RP	
7	[6] Eppendorf 3127300, PMS, Full Set, PolyPha	
8	[1] Columns, Low Profile Reservoir, Natural RP	
9	[6] Eppendorf 3126200, PMS, Full Set, PolyPha	

Agilent Technologies

Buttons: Run Affinity Purification, Prime, Save Settings, Restore Defaults, Workflow Navigator

### Drag-and-drop tasks

The screenshot shows a workflow editor with a central workspace containing a sequence of task icons. On the left, there is a library of task icons that can be dragged into the workspace. On the right, there are panels for 'Task Properties' and 'Task Settings'. The workspace shows a sequence of tasks connected by arrows, representing the experimental workflow.

# Boost Productivity and Increase Data Reproducibility

The Agilent Bravo platform is a reliable, compact liquid-handling system with a unique open deck that simplifies automation and integration. It accurately and precisely dispenses liquids over a wide volume range from single-well to full-plate configurations. What's more, the Bravo platform adapts to your needs. Its expanding range of on-deck accessories increases throughput and walk-away time.

## Precise pipetting

Achieve greater accuracy and reproducibility

- Single-well to full-plate transfers support automated hit picking, row- or column-wise pipetting for serial dilutions, and more.
- Wide volume range simplifies automation across applications.
- Quick release and swap between 96 and 384 channels, as well as the AssayMAP head.
- Plate gripper moves labware for increased efficiency.

## Innovative design

Adaptable to all your applications

- Nine on-deck positions for plates, tips, accessories, and more.
- Open design facilitates deck access and improves user comfort.
- Hood-friendly size, with additional short SRT version for more restricted locations.
- Compliant with labware standards (meets standards ANSI/SBS 1–2004 through ANSI/SBS 4–2004).

## Robust, feature-rich software

Supports new and advanced users

- Intuitive graphical user interface for novice users.
- Drag-and-drop tasks simplify protocol creation and customization by advanced users.

Available in two space-saving models

High-accuracy pipette heads

Labware gripper for increased walk-away time

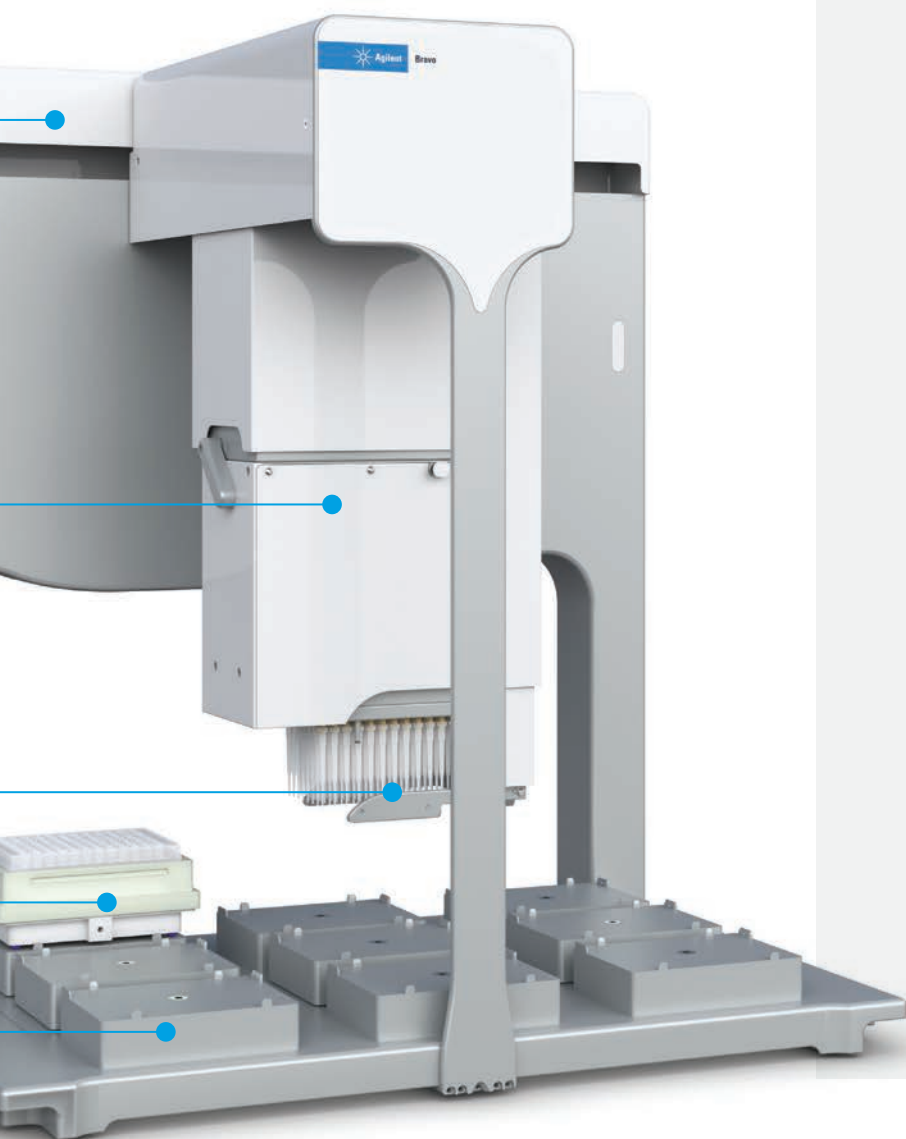
On-deck accessories

Nine deck positions



# Comprehensive Application Versatility

The flexible Agilent Bravo platform is ideal for the full range of life science and analytical applications. Transfer your workflow onto the Bravo to increase data reproducibility and walk-away time.



## Automated sample preparation options to suit diverse applications

### Multi-omics

#### Genomics

- NGS library preparation and target enrichment
- NGS sample preparation
- qPCR/PCR preparation and purification
- CGH enzymatic and CGH + SNP

#### Proteomics

- Digestion, cleanup
- Fractionation
- Phosphopeptide enrichment

#### Metabolomics

- Sample quenching and lipid removal
- Reconstitution

### Biopharma

- Affinity purification, digestion, and cleanup
- Glycan analysis

### Screening

- Small molecules and biologics
- High-throughput screening
- Compound library management
- ELISA and related immunoassays

### Cell biology

- Cell-based assays
- Cytotoxicity testing
- Cell culture and hybridoma screening
- Cell culture maintenance

### ADME/toxicology

- Caco-2
- Cytochrome p450

# Meet Your Application Needs with a Variety of Pipetting Solutions



Achieve reproducible results using high-precision liquid handling with easy-to-exchange multichannel heads for multiple application needs.

Air Displacement	Positive Displacement
Disposable-Tip Pipette Heads	AssayMAP Head
<ul style="list-style-type: none"> <li>• Two 96-well models cover from 300 nL to 250 <math>\mu</math>L 96LT 96-well (250 <math>\mu</math>L) 96ST 96-well (70 <math>\mu</math>L)</li> <li>• 384-well model dispenses from 300 nL to 70 <math>\mu</math>L 384ST 384-well (70 <math>\mu</math>L)</li> <li>• Uses disposable tips to prevent carryover and contamination</li> <li>• Aspirates and dispenses to wells, rows, columns, arrays, and full plates</li> </ul>	<ul style="list-style-type: none"> <li>• 96-well format with volume range of 2–250 <math>\mu</math>L</li> <li>• Uses AssayMAP microchromatography cartridges for automated protein sample preparation—such as affinity purification, phosphopeptide enrichment, and N-glycan analysis</li> </ul> <p>Learn more about Agilent AssayMAP technology: <a href="http://www.agilent.com/chem/assaymap">www.agilent.com/chem/assaymap</a></p>



## Precision and accuracy

When optimized for Agilent-certified pipette tips in a pipetting range of 0.3–250  $\mu$ L, you can achieve less than 5% CV and 10% relative inaccuracy.

For more information about Agilent-certified pipette tips, visit: [www.agilent.com/lifesciences/pipettetips](http://www.agilent.com/lifesciences/pipettetips)



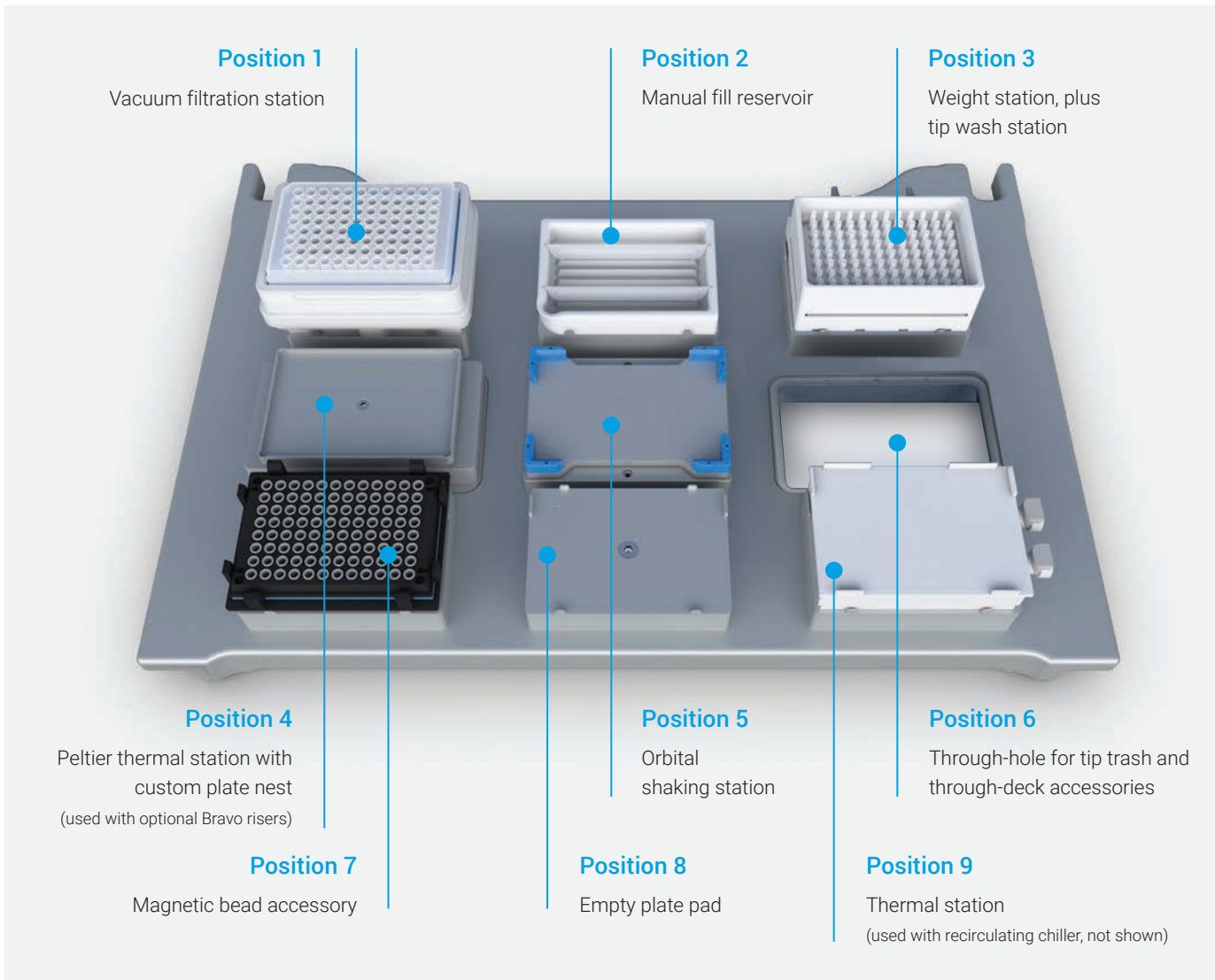
## Intuitive user interfaces

VWorks automation control software provides easy-to-use utilities for serial dilution and hit picking. What's more, you need no programming knowledge to take advantage of pipetting head capabilities.

# More Than 60 Accessories Help Any Workflow Run Smoother

The Bravo platform features nine on-deck plate positions that can accommodate over 60 accessories. Consult our Bravo accessories catalog (**publication number 5991-0369EN**) for details about all Bravo accessories and their locations on the Bravo platform deck.

Complete flexibility: this layout shows how the deck positions can be configured to fit your needs.



### Designed for safety and compliance

The Bravo platform light curtain ensures compliance with regional safety requirements. If an object disrupts the light beams across the front of the device, the safety interlock circuit disables the robot.

## Agilent CrossLab: real insight, real outcomes

CrossLab goes beyond instrumentation to bring you services, consumables, and lab-wide resource management. So your lab can improve efficiency, optimize operations, increase instrument uptime, develop user skill, and more.



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