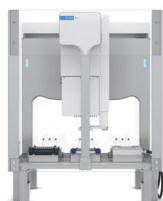


Automated, Scalable NGS Solutions

Get started with user-friendly Bravo NGS protocols

Agilent automated liquid handling platforms are flexible and compact automation solutions that streamline your routine genomics workflows, including library prep and target enrichment for next-generation sequencing (NGS).

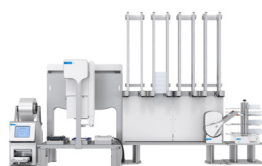
Bravo NGS (Option A)



Ensure reproducibility and increase throughput with compact automation that accommodates up to 96 samples per run.

- Turnkey solution that includes heating, cooling, shaking, and magnetic separation accessories for NGS sample preparation
- Versatile system that can easily run different sample preparation protocols, including NGS library prep and qPCR setup

Bravo NGS Workstation (Option B)



Obtain all the benefits of Bravo Option A with more walk-away time using a system that manages reagent plates and tips via the BenchCel Microplate handler and Labware Minihub.

- Increase automation efficiency with additional microplate handling capacities for hands-free workflows
- Grow laboratory capacity with ease: start with Bravo Option A and scale-up to Bravo Option B when additional throughput is needed

Flexible software solutions

Agilent VWorks Automation Control Software is flexible and designed for every user level. Researchers can quickly start using the Bravo instrument with ready-to-use graphical user interface forms.

The powerful scheduling software enables the experienced user to program specific protocols using drag-and-drop tasks and create custom forms for routine use. Run assays with confidence using the easy-to-use simulation mode to check for errors prior to starting the run.

Higher throughput and less hands-on time with Agilent Bravo NGS Workstation

Application	Number of samples/week*		Hands-on-time*	
	Manual	Automated	Manual	Automated
Whole exome sequencing (library preparation only)	96	960	375 min	30 min
Target Enrichment	16-48	195	675 min	80 min

*Comparison is based on automation using Agilent SureSelect XT HS2 DNA Reagents

Agilent NGS Library Prep and Target Enrichment Sample Automated Protocols

Whether your NGS strategy is hybridization-based using SureSelect reagent kits, or amplicon-based using HaloPlex chemistry, take advantage of automation efficiency in your lab using verified protocols on the Bravo system. User manuals are available as step-by-step guides to help you obtain successful results. You will be fully supported in your automated workflow with a one-vendor solution when you run SureSelect reagents on your Bravo NGS system or Bravo NGS Workstation.

Agilent NGS Reagents	Compatible Panels	Bravo NGS and Workstation Option A or B	Reagent User Guide
SureSelect XT HS2 DNA (+/- MBC, Fast/Overnight Hyb Options Enabled)	SureSelect Human All Exon including V8, pre-designed probes plus custom, and SureSelect Custom probes	B	G9985-90011
SureSelect XT HS2 DNA		A	G9985-90020
SureSelect XT HS2 RNA (Targeted)		B	G9985-90010
		A	G9993-90020
SureSelect XT HS2 mRNA		B	G9993-90010
SureSelect ^{XT}		B	G9995-90010
SureSelect ^{XT}	B	G7550-90000	
SureSelect ^{XT2}	SureSelect Human All Exon, pre-designed probes plus custom, and SureSelect Custom probes	B	G9450-90000
SureSelect ^{QXT}	N/A – whole genome library prep	A	G9682-90020
		B	G9682-90010
SureSelect ^{XT} RNA Target Enrichment	Automated poly-A selection + target enrichment (SureSelect Human All Exon, pre-designed probes plus custom, SureSelect Custom probes)	B	G9691-90020
SureSelect ^{XT} Strand-Specific RNA Library Prep	N/A - Automated poly-A selection	B	G9691-90030
SureSelect ^{XT} Low Input	SureSelect Human All Exon including V8, pre-designed probes plus custom, and SureSelect Custom probes	A	G9703-90020
		B	G9703-90010

Flexible Bravo automated NGS protocols for a variety of reagent vendors

Illumina, New England Biolabs, KAPA and 10x Genomics are a few of the selected reagent providers supported on the Bravo NGS platforms. Ready-made protocols can be made available upon request and services for customized protocols can be made to order as needed. Please contact your local Agilent representative for more information.



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