

Agilent Scalable Automation Solutions

Easy-to-Use, Ready Protocols for Automated NGS Sample Preparation

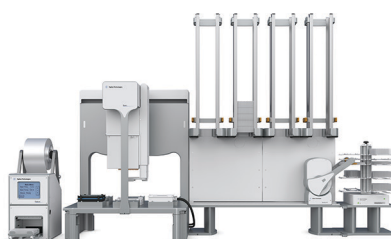
Agilent Bravo NGS (NGS A, Option A)



High throughput and improved reproducibility with a small footprint.

- Agilent Bravo Automated Liquid Handling platform
- Agilent 96 Channel Disposable Tip Head: LT
- Agilent Bravo accessories for heating, cooling, shaking, and magnetic separation

Agilent NGS Workstation (NGS B, Option B)



High throughput and improved reproducibility with more walkaway time

- Bravo NGS
- Agilent BenchCel 4R Microplate Handler
- Agilent Labware MiniHub
- Agilent PlateLoc Thermal Microplate Sealer

Agilent VWorks Automation Control Software



VWorks Software graphical user interface makes it easy for users to run NGS automation protocols, develop new methods, and monitor system progress.

For more information, visit:

www.agilent.com/lifesciences/automation

Higher Throughput and Less Hands-On Time with Agilent NGS Workstation

Application	Number of samples/week*		Hands-on time*	
	Manual	Automated	Manual	Automated
Whole Genome Sequencing (library preparation only)	96	960	375 min	25 min
Target Enrichment	16–48	192	675 min	75 min

*Comparison is based on automation of Agilent SureSelectXT reagents

Accelerate your NGS Success

Achieve excellent reliability and reproducibility with easy scale up of your laboratory throughput.

With optimized protocols for chemistries used in a variety of different sequencing applications, the Agilent automation solution is a proven standard in NGS sample preparation automation, delivering reliable performance at a large number of customer sites, including major genome research centers, biotechnology companies, and academic research laboratories.

Available Agilent NGS Sample Prep Automated Protocols

NGS Reagent*	Sequencer
SureSelectXT	Illumina
SureSelectXT2	Illumina
SureSelectQXT	Illumina
SureSelectXT Low Input	Illumina
SureSelectXT Strand-Specific RNA Library Prep	Illumina
SureSelectXT RNA Target Enrichment	Illumina
HaloPlex Exome	Illumina
HaloPlexHS	Illumina
HaloPlexHS	Ion Torrent

*Optimized for use with Agilent NGS automation solutions.

Available 3rd Party NGS Sample Prep Automated Protocols

Company	NGS Reagent	Sequencer	Option A	Option B
Illumina	TruSeq RNA Library Prep	Illumina	X	X
	TruSeq DNA Library Prep	Illumina	X	X
	TruSeq Exome Enrichment	Illumina	X	X
	TruSeq DNA PCR-Free	Illumina		X
	TruSeq Stranded mRNA	Illumina	X	X
	TruSeq Stranded Total RNA	Illumina	X	X
	TruSeq Nano DNA	Illumina	X	X
	TruSeq Prokaryotic RNA	Illumina	X	
	Nextera XT DNA	Illumina	X	X
	TruSeq RNA Access	Illumina	X	X
	Nextera Mate Pair Sample Prep	Illumina		X
Clontech	Smart-Seqv4 Ultra Low RNA	Illumina	X	X
NimbleGen (Roche)	SeqCapEZ Library SR	Illumina	X	X
NuGen	Ovation RNA-Seq System V2	Illumina	X	
	Ovation Ultralow DR Multiplex Systems	Illumina	X	
KAPA Biosystems (Roche)	HTP Library Preparation Kit	Illumina	X	X
	HyperPrep DNA Library Preparation Kit	Illumina	X	X
	HyperPlus DNA Library Preparation Kit	Illumina	X	X
	Stranded RNA-Seq Library Preparation Kit	Illumina		X
	Stranded mRNA-Seq Library Preparation Kit	Illumina	X	X
New England Biolabs	NEBNext DNA Library Prep	Illumina		X
	NEBNext Ultra DNA Library Prep	Illumina		X
Lexogen	QuantSeq	Illumina		X
Pacific Biosciences	SMRTbell Library Preparation (10Kb)	PacBio RS II		X
10x Genomics	Whole Genome Solution	Illumina	X	
	Whole Exome Solution	Illumina	X	

Additional 3rd party protocols can be made available upon request. Please contact your local sales representative for more information.

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