

Automation Support Program:Roche Sample Prep Reagents and Workflows



Roche Sequencing Solutions allows you to **unlock the potential of every sample** by providing automation scripts and support for our Sample Prep Reagents and Workflows across a wide offering of third-party NGS liquid handling platforms.

Workflows supporting KAPA DNA and RNA Library Preparation Kits, KAPA Library Quantification Kits and Roche Target Enrichment (HyperCap Workflow and SeqCap EZ Probes) are **validated and optimized for automated, high-throughput NGS library construction.** Scripts are currently available for many NGS liquid handling platforms and are continuously being developed to accommodate other Roche Sample Prep Reagents, Workflows and liquid handling platforms. In addition, the necessary overage volumes in our 96-reaction kits enable automation-friendly workflows to advance your research.

Features

- Validated and supported automation scripts and workflows from Roche and third-party vendors
- Streamlined and optimized workflows for high-performance KAPA products and the HyperCap Workflow using SeqCap EZ Probes
- Necessary overage volumes in 96-reaction kits to enable automation-friendly workflows

Benefits

- Higher sample throughput
- Less hands-on time for greater convenience of batch processing up to 96 samples
- Greater reproducibility than manual workflows
- Improved process control
- Comparable performance with manual methods



Automation methods availability, by vendor

KAPA DNA Library Pre	paration
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Roche Target Enrichment

KAPA RNA Library Preparation

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Vendor	Model	KAPA HyperPrep Kit	KAPA HyperPlus Kit	KAPA Library Quantification Kit	KAPA Human Genomic DNA Quantification and QC Kit	Library Normalization	HyperCap Workflow	SeqCap EZ Workflow	KAPA RNA HyperPrep Kit	KAPA RNA HyperPrep Kit with RiboErase	KAPA mRNA HyperPrep Kit
PerkinElmer	Sciclone G3 NGSx	PerkinElmer	PerkinElmer	PerkinElmer	PerkinElmer		PerkinElmer	PerkinElmer	PerkinElmer	PerkinElmer	PerkinElmer
	Zephyr G3 NGS	PerkinElmer	PerkinElmer	PerkinElmer	PerkinElmer		PerkinElmer*		PerkinElmer	PerkinElmer	PerkinElmer
	JANUS G3R NGS Express	PerkinElmer	PerkinElmer	PerkinElmer	PerkinElmer					PerkinElmer	PerkinElmer
Beckman Coulter	Biomek FX ^p and FX, dual pod	Roche	Roche	Roche	Roche*		Roche		Roche*	Roche*	Roche*
	Biomek NX ^P and NX ^P (Span-8)			Beckman Coulter							
	Biomek 4000			Roche*							
	Biomek i5 Automated Workstation	Beckman Coulter*	Beckman Coulter*								
	Biomek i7 Automated Workstation	Roche	Roche				Roche*				
Agilent	Bravo NGS Workstation A	Agilent	Agilent	Roche*				Agilent			
	Bravo NGS Workstation B	Roche	Roche	Roche	Roche*	Roche*	Roche	Agilent			Agilent
Eppendorf	epMotion 5075 TMX	Eppendorf	Eppendorf	Eppendorf					Eppendorf*		Eppendorf*
Hamilton	NGS STAR (8 channel)	Hamilton	Hamilton	Hamilton			Hamilton*		Hamilton*	Hamilton*	Hamilton*
Tecan	Freedom Evo NGS Workstation	Tecan	Tecan	Tecan*				Tecan	Tecan*	Tecan*	Tecan*
PrimaDiag	ACSIA NGS (capture)		PrimaDiag					PrimaDiag			
Brand	Liquid Handling System			Brand*							
*in development							I		1		

^{*}in development

Regional differences may apply, please contact your local Roche representative.

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