Next-generation Sequencing Automation Solutions

Maximize the potential of your lab with a trusted NGS partner

Roche offers automated solutions across the entire next-generation sequencing (NGS) sample prep workflow, including DNA and RNA library preparation, target enrichment, and library quantification. Automation of NGS sample prep can help your lab generate more reproducible results, increase operational efficiency, and unlock more hands-off time and resources for collaborations and innovations.

Freedom to walk away with confidence and trust in the results

AVENIO Edge System* is Roche's fully automated solution for NGS sample preparation. It is designed to greatly reduce the complexity of automation for users at any level, and provide a true walk-away experience.

- Only 20 minutes of setup time required for each sample run
- On-deck thermocycling and quantification module
- Ready-to-load and barcoded KAPA reagents
- Intuitive software and a built-in controller PC
- Glove-compatible touchscreen
- Remote access connectivity allows real-time troubleshooting

*AVENIO Edge System is a Class 1 IVD instrument and is intended for downstream diagnostic applications. AVENIO Edge reagents and workflows are for Research Use Only. They are not intended for diagnostic applications.

For more information about the AVENIO Edge System, contact your Roche sales representative or visit **sequencing.roche.com/AVENIOEdge.**

| Sample | Sample Collection | Nucleic Acid Extraction | Sample Quantification/QC | Library Preparation | Target Enrichment | Library Quantification | Sequencing & Bioinformatics | Ready to Sequence |

Development of automated KAPA NGS workflows on non-Roche platforms

Our dedicated NGS Automation Support Team works with customers to create standard KAPA protocols through collaborative partnerships with major automation vendors.

Modular designs for workflow flexibility, enabling the inclusion of safe stopping points

User-friendly interfaces with variable workflow options for a better user experience

Easy-to-understand variables ideal for automation users of all experience levels

Complimentary service and support for Roche-distributed methods

Vendor and Platform		DNA Library Preparation				RNA Library Preparation				Quant and QC	Target Enrichment	Oncology
Vendor	Platform	KAPA HyperPrep	KAPA HyperPlus	KAPA EvoPlus Tubes	KAPA EvoPlus Plates	KAPA Stranded RNA-seq	KAPA Total RNA HyperPrep	KAPA mRNA HyperPrep	KAPA RNA HyperPrep RiboErase +Globin	KAPA Library Quant	KAPA HyperCap v3	AVENIO ctDNA
Perkin Elmer	Sciclone G3 NGSx	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔
	Sciclone G3 NGSx iQ	✔	✔								✔	
	JANUS G3 NGS Express	✔	✔			✔			✔	✔		
	Zephyr G3 NGS	✔	✔			✔	✔	✔	✔	✔		
Beckman Coulter Life Sciences	Biomek FXᵖ Hybrid	Ⓥ	Ⓥ			Ⓥ	Ⓥ	Ⓥ	Ⓥ	✔	Ⓥ	Ⓥ
	Biomek i7 Hybrid	Ⓥ	Ⓥ	Ⓓ	Ⓓ		Ⓥ	Ⓥ	Ⓥ	✔	Ⓥ	Ⓓ
	Biomek i5 MC96	✔	✔		✔							
Hamilton	NGS STAR (Span-8)	✔	✔	D				✔	✔	✔	✔	
Tecan	Freedom EVO NGS	✔	✔				✔	✔	✔			
Agilent	Bravo NGS Workstation (Option A)	✔	✔			✔				✔		
	Bravo NGS Workstation (Option B)	Ⓥ	Ⓥ			✔	Ⓥ	✔	Ⓥ	✔	Ⓓ	
Eppendorf	epMotion 5075t	✔	✔			✔	✔	✔	✔	✔		

Ⓥ = Complete and in distribution (Roche) Ⓓ = In development (Roche) ✔ = Complete and in distribution (Vendor) **D** = In development (Vendor)

For more information about the automated KAPA workflows, contact our NGS Automation Support Team:

Email: automation.seqls@roche.com
Phone: 1-800-262-4911
Online Request: **sequencing.roche.com/ngs-automation**