

Application of MGI's automation platform (script)

Open platform pipetting workstation			"One-stop" pipetting workstation Samples in, DNB out
Compact	Flexible	Efficient	"One-stop"
 <p>MGISP-100 Automated Sample Preparation System</p>	<p>Flexible 8 channel pipette meets the needs of more flexible application scenarios.</p>  <p>MGISP-Smart 8 Automated Sample Preparation System</p>	 <p>MGISP-960 High-throughput Automated Sample Preparation System</p>	<p>Equipped with a quantitative module, enabling full-process automation.</p>  <p>MGIFLP-L Automated Sequencing Library Preparation System</p>
<p>Fixed 8 channel pipette without Gripper Pipetting range: 1µL-200µL</p> 	<p>Independent 8 channel pipette with rotator Gripper Pipetting range: 1µL-1000µL</p> 	<p>Fixed 96 channel pipette with Gripper Pipetting range: 1µL-200µL</p> 	<p>Fixed 8 channel+ Independent 1 channel pipette with Gripper Pipetting range: 1µL-1000µL</p> 
<p>Throughput: 1-16 samples/run</p>	<p>Throughput: 1-48 samples/run</p>	<p>Throughput: 96, 192 samples/run</p>	<p>Throughput: 4-32 samples/run</p>
 <p>Clinical/CDC</p>	 <p>Clinical /Research center /LDT</p>	 <p>Clinical /LDT</p>	 <p>Clinical/CDC</p>

Kit Brand	Whole Genome Sequencing (WGS)	MGIFLP-L	MGISP-100	MGISP-960	MGISP-Smart 8
MGI	MGIEasy FS PCR Free Library Preparation Set		●	●	
	MGIEasy FS DNA Library Prep Set	●	●	●	●
	MGIEasy cfDNA library preparation set (pair with MGIEasy cfDNA extraction kit)		●	●	●
	MGIEasy PCR-Free DNA Library Prep Set V1.1		●		
	MGIEasy Universal DNA Library Prep Set		●		
	MGIEasy FS PCR-Free DNA Library Prep Set V1.3			●	
	MGIEasy Fast PCR-FREE FS Library Prep Set		●	●	●
	MGIEasy Fast FS Library Prep Set		●	●	●
Kit Brand	Target Sequencing	MGIFLP-L	MGISP-100	MGISP-960	MGISP-Smart 8
MGI	MGIEasy Exome Capture Accessory Kit MGIEasy Exome Capture V5 Probe Set			●	
Kit Brand	RNA Sequencing	MGIFLP-L	MGISP-100	MGISP-960	MGISP-Smart 8
MGI	MGIEasy RNA Library Prep set		●	●	●
	rRNA Depletion Kit		●	●	●
	MGIEasy Fast RNA Library Prep set		●	●	●
	MGIEasy RNA Directional Library Prep Set		●		
	MGIEasy Small RNA Library Prep Kit		●		
Kit Brand	Supporting Sequencing Protocols	MGIFLP-L	MGISP-100	MGISP-960	MGISP-Smart 8
MGI	MGIEasy Universal Library Conversion Kit (App-A)		●		●
	Pooling		●		●
	Circulization+Digestion		●		●
	DNB Making		●		●
	Qubit Quantification Preparation				●
	Normalization				●
	DNBSEQ DNB Make Reagent Kit			●	
	MGIEasy App Library Circularization Kit		●		
	MGISP-Smart 8 Automated Quantification & Normalization & Pooling_SV1.0				●

Kit Brand	Application Orientation	MGIFLP-L	MGISP-100	MGISP-960	MGISP-Smart 8
MGI	MGIEasy Respiratory Microorganisms Genome Amplification Kit		●		
	MGIEasy Signature Identification Library Prep Kit		●	●	
	ATOPlex customized panel			●	
	ATOPlex RNA Multiplex PCR Amplification Module			●	
	ATOPlex RNA Universal Library Prep				●
	MGICare Detection Kit for Chromosome Copy Number Variation Test				
	MGIEasy Rapid Circularization Module				
	RNA Universal Library Preparation& ATOPlex PCR Dual Barcode Primer &		●		
	ATOPlex Dual Barcoded Balance Library Reagent		●		
	ATOPlex RNA Multiplex PCR Amplification Set V3.1	●	●		
	MGICare Detection Set for Single Cell Chromosome Copy Number Variation Test		●		
	MGIEasy Herbal Medicine DNA Barcoding Identification Reagent Set			●	
	MGIEasy Universal DNA Library Prep Set V1.0			●	
	MGIEasy stLFR Library Prep Kit			●	
	MGIEasy UDB Universal Library Prep Set			●	
	MGIEasy Duplex UMI Universal Library Prep Set			●	
	ATOPlex Metabarcoding Library Prep		●	●	
	ATOPlex HIV-1 Amplification Kit		●	●	

Third Party Library Prep Protocols					
Kit Brand	Target Sequencing	MGIFLP-L	MGISP-100	MGISP-960	MGISP-Smart 8
Roche	KAPA EvoPlus Kit & KAPA Hyper Capture Reagent Kit		●	●	●
IDT	xGen™ Hybridization and Wash v2 Reagents		●	●	●
Agilent	SureSelect XT HS Human All Exon V8		●	●	●
Twist	Library Preparation EF 2 and Twist Target Enrichment Standard Hybridization v1		●	●	●
	Library Preparation Kit with Amp Mix, Mechanical				
Nanodigmbio	NEXome Plus Panel v1.0		●		
	Nanodigmbio NadPrep® EZ DNA Library Preparation Module v2,				●
	NEXome Core Panel, LungCancer Panel v1.0				
Kit Brand	DNA/RNA Sequencing	MGIFLP-L	MGISP-100	MGISP-960	MGISP-Smart 8
NEB	NEB NEBNext® Ultra™ II FS DNA Library Prep for Illumina			●	
Illumina	Illumina DNA prep				●
	Illumina Nextera DNA Flex Library Prep kit		●	●	
	Illumina Nextera XT DNA Library Prep		●	●	
Pillar	Abclonal FS Pro DNA Lib Prep Kit V2		●		
Qiagen	Hieff NGS® OnePot Pro DNA Library Prep Kit V2		●		
	Hieff NGS® Ultima Dual-mode RNA Library Prep Kit		●		
	Hieff NGS® OnePot Pro DNA Library Prep Kit for MGI		●		

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Matrix product portfolio deeply cultivates the sequencing field

