MGI自动化平台适配应用

开放的移液工作站			一站式平台
不同通量的开放型自动化工作站方案			从样本到报告全自动
紧凑	灵活	高效	一站式

灵活八通道,满足更多应用场景要求

样本进-DNB出 内置定量模块,全流程自动化

MGISP-100 自动化样本制备系统	MGISP-Smart 8 自动化样本制备系统	MGISP-960 自动化样本制备系统	MGIFLP-L 自动化测序文库制备系统
固定8通道移液器 移液范围:1μL-200μL	**独立8通道移液器** 移液范围:1μL-1000μL	**固定96通道移液器** 移液范围:1μL-200μL	**固定8通道+独立单通道移液器** 移液范围:1μL-1000μL
通量: 1-16 样本/run	通量: 1-48 样本/run	通量: 96、192 样本/run	通量: 4-32 样本/run
临床/疾控	临床/科研/检验中心	临床/检验中心	临床/疾控

试剂品牌	Whole Genome Sequencing (WGS)	MGIFLP-L	MGISP-100	MGISP-960	MGISP-Smart 8
华大智造	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		●	●	●

试剂品牌	Target Sequencing	MGIFLP-L	MGISP-100	MGISP-960	MGISP-Smart 8
华大智造	MGIEasy Exome Capture Accessory Kit MGIEasy Exome Capture V5 Probe Set			●	

试剂品牌	RNA Sequencing	MGIFLP-L	MGISP-100	MGISP-960	MGISP-Smart 8
华大智造	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		●		

试剂品牌	测序支持流程	MGIFLP-L	MGISP-100	MGISP-960	MGISP-Smart 8
华大智造	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				●

试剂品牌	细分领域应用	MGIFLP-L	MGISP-100	MGISP-960	MGISP-Smart 8
华大智造	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		●	●	
试剂品牌	单细胞	MGIFLP-L	MGISP-100	MGISP-960	MGISP-Smart 8
华大智造	DNBelab C 系列 高通量单细胞 RNA 文库制备试剂盒		●		
	DNBelab C 系列 高通量单细胞 RNA 文库制备试剂盒 套装 V2.0		●		
	DNBelab C系列 高通量单细胞ATAC 文库制备试剂盒		●		

已适配第三方品牌试剂					
试剂品牌	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		●	●	●
Twist	Library Preparation Kit with Amp Mix, Mechanical				
纳昂达	NEXome Plus Panel v1.0		●		
纳昂达	Nanodigmbio NadPrep® EZ DNA Library Preparation Module v2,				●
纳昂达	NEXome Core Panel, LungCancer Panel vl.0				
Pillar	Pillar ONCO/Reveal™ 59 Gene HS309 Multi-Cancer Panel with CNV for MGI		●		
Pillar	Pillar ONCO CF131 Panel for MGI		●		
Pillar	Pillar ONCO LF Panel for MGI		●		
试剂品牌	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	Illumina Nextera DNA Flex Library Prep kit		●	●	
Illumina	Illumina Nextera XT DNA Library Prep		●	●	
爱博泰克	Abclonal FS Pro DNA Lib Prep Kit V2		●		
翌圣	Hieff NGS® OnePot Pro DNA Library Prep Kit V2		●		
翌圣	Hieff NGS® Ultima Dual-mode RNA Library Prep Kit		●		
翌圣	Hieff NGS® OnePot Pro DNA Library Prep Kit for MGI		●		

此彩页版本信息更新至2024.8

MGI提供从样本制备到测序全流程产品矩阵, 满足多种场景需求。

样本采集和分装

MGISTP-3000

MGISTP-7000

核酸提取

MGISP-NE32

MGISP-NEX

MGISP-960

MGISP-NE384

文库制备

MGIFLP-50

DNBelab-D4

MGISP-100

MGISP-Smart 8

MGISP-960

Glab Wiz

高通量测序

DNBSEQ-E25

DNBSEQ-G99

DNBSEQ-200

DNBSEQ-2000

DNBSEQ-T7

DNBSEQ-T20*2

数据处理

MegaBOLT

ZTRON Pro

低通量 ──────────────────────────► 高通量