## Focus on high-throughput sequencing library preparation

### MGIFLP-L: Empowering you to be a library- prep expert

Integration of all functional modules enables end-to-end unattended automation
Manual setup in under 30 minutes with preset application programs
Minimal training with user-friendly control software

#### Automated quantification and pooling



### Functional Modules

- Sample Rack & Barcode Scanner
- Temp.Control & Shaker Module
- PCR Module
- QC Module
- Temp.Control
- Magnetic Module
- Fixed 8 channel & independent 1 channel pipettor
- Gripper
- HEPA & UV

### User-friendly software

Efficient and flexible liquid transfer

Touch screen operation, with visualized process. Easy to operate, realizing "quick-mode".

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#### **MGIFLP Series Products**



 FLP library-prep control software
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 FLP WDesigner
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### **Ordering Information**

VersionIntended MarketProduct NameItem NO.MGIFLP-L Standalone versionCE RUOMGIFLP-LRS Automated Sequencing Library Preparation System900-000871-00MGIFLP-L Standalone versionCE RUDMGIFLP-L Automated Sequencing Library Preparation System900-000873-00MGIFLP-L Interconnected versionCE RUOMGIFLP-LRS Automated Sequencing Library Preparation System900-000633-00MGIFLP-L Interconnected versionCE RUOMGIFLP-LAutomated Sequencing Library Preparation System900-000633-00MGIFLP-L Interconnected versionCE RUDMGIFLP-L Automated Sequencing Library Preparation System900-000636-00Quantification kitRUO1×dsDNA HS Assay Kit090-002260-00RUOssDNA Assay Kit090-002261-00				
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Library Preparation System	Modular Sequencing Workstation
MGIFLP-L Interconnected version	MGIFLP-L50
One-stop library preparation, support sequencer integration	One-stop library prep and sequencing workstation
$\checkmark$	
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☐ MGI-service@mgi-tech.com

## MGI

# **MGIFLP-L**

Automated Sequencing Library Preparation System

- MGIFLP-L Standalone version
- MGIFLP-L Interconnected version



Provide abundant "one-stop" library preparation plans

Samples in, DNB out, and the results are dependable

# **MGIFLP-L**

## **Automated Sequencing Library Preparation System**

Sample preparation for high-throughput sequencing is a complicated, time-consuming, and error-prone process. It either requires manual operation or multiple instruments for partial automation. The MGIFLP-L Automated Sequencing Library Preparation System fully automates the entire process including sample extraction, library preparation, pooling, make DNB, and quality control. Customers can choose from a Standalone Version or an Interconnected Version that can integrate existing sequencers.

With a user-friendly interface and preset application programs, MGIFLP-L supports one-click start, walk-away automation that enables the "sample in, DNB out" seamless end-to-end process.

## Sample in, DNB out

## Pre-set application programs, supporting abundant library preparation scenarios

- operations / combined operations.
- the input reaction.



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## **Product Parameter**

Dimensions	Standalone version	1044 mm (L)*851.5mm mm (W)*1821mm (H)		
	Interconnected version	1843 mm (L)*851.5mm mm (W)*1821mm (H)		
Pipettor	Independent 1 channel pipettor	Range of pipetting: 1 µL-1000 µL		
ripettoi	Fixed 8 channel pipettor	Range of pipetting: 1 µL-200 µL		
Application	Recommend throughput	4-32 samples per run		
parameter	Application	WGS, Hybrid capture, ATOPlex, etc		
Safety	НЕРА	99.995% at 0.3 µm		
,	UV	More than 100000 uW.s/cm <sup>2</sup>		
	Tips	Suitable for MGI's 50µL.70µL.180µL.250µL and 1000µL electrically conductive and non-conductive automation tip:		
Consumable	Tubes	Suitable for 0.6 mL, 0.5 mL, 1.5 mL, 5 mL tubes (adapter required) and 6 mL, Blood Collection Tubes		
	Plates	Suitable for 96 Well SBS Microplates		
	Reservoir	Suitable for MGI's 50mL single well reservoirs		

• Equipped with a "fixed 8-channel + independent single-channel" pipette to support complex pipetting

Integrated quantitative module to record data during the experiment process and automatically calculate

• Pre-set selectable application programs, while providing a graphical editor to support user customization.



MGIFLP-L is now compatible with multiplex PCR-based library preparation kits for Monkeypox, Dengue fever, COVID-19, and VMI (Identification of vector species and microorganisms).

## **Guarantee safety and reliability**

## Offer flexible" one-stop" library preparation plans

