

Performance Parameters

Pipette	Pipetting range	1 μL-1000 μL
	Pipetting CV	1 μL : CV<8 %
		200 μL : CV<1 %
		1000 μL : CV<1 %
	Pipetting accuracy	1 μL : accuracy<±10 %
		200 μL : accuracy<±2 %
		1000 μL : accuracy<±1 %
Robotic arm	Positioning accuracy: ±0.1 mm	

Hardware Parameters

UV disinfection system	The dose of irradiation is higher 100, 000 μW.s/cm²	
Size	W: 1410 mm, H: 799 mm, D: 970 mm (without HEPA module)	
Net weight	Approximately 220 kg (485lb, without carries)	
Power requirements	Voltage	200-240 V, 50/60 Hz
	Rated power consumption	1500 VA (not including modules on operation deck and optional modules)
Working environment	Relative humidity	20 %RH-80 %RH, No condensation
	Air pressure range	80-106 kPa

SP-Smart 8

Your Independent 8-channel Pipetting Robot



MGI Tech Co., Ltd.

Building 11, Beishan Industrial Zone,Yantian District, Shenzhen.CHINA 518083

(+86) 4000-688-114

global-mgitech.com

MGI-service@mgitech.com



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Why Choose

SP-Smart 8

Automated sample preparation system



SP-Smart 8

Flexible Pipetting Robot For Lab Automation



- **Flexible pipetting**

SP-Smart 8 is a professional automated pipetting robot, equipped with an [independent 8 pipetting channel](#). The [pipetting volume range](#) is from [1μL to 1000μL](#). Its pipetting distance, volume and height are independently adjustable, which allow various flexible pipetting routines, greatly improving automated sample transfer, plate setup, and assay processes.

- **Easy and Efficient**

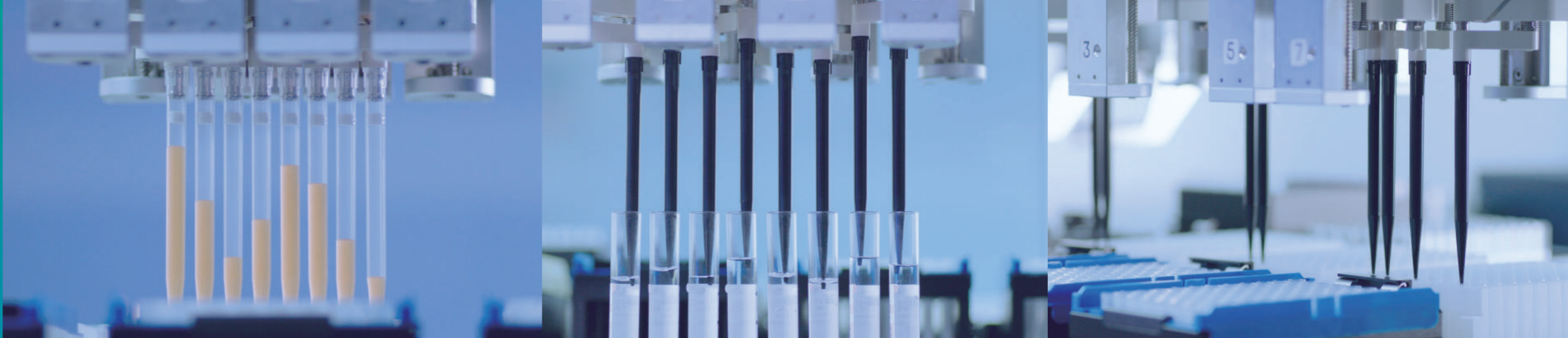
SP-Smart 8 has a [graphic workflow](#) design software, which includes [abundant functional commands](#) and supports [defined template](#) for easy and efficient process design. In addition, SP-Smart 8 supports [user-defined consumable parameters](#) and [Liquid parameters](#) for different scenarios.

- **Modular design**

SP-Smart 8 adopts the [modular design](#) concept of plug-and-play, which can provide [abundant selections of function modules and carriers](#), so it can be flexibly adapted to different application.

Flexible Pipetting

Independent 8-channel pipetting



- SP-Smart 8 has **eight independent pipetting channels**. Its pipetting based on **air displacement**, which ensures stability, accuracy and avoids cross-contamination.

- The **dynamic pipetting range of SP-Smart 8 is 1-1000µL** that enables flexible pipetting. The channels also feature **dual liquid level detection**.

Dual Liquid Level Detection

- **Capacitive Liquid Level Detection**: Conductive liquid level can be detected quickly, with conductive tips, based on the instant capacitance change.
- **Pneumatic Clot Detection**: Intelligent identification of clots and blockages in tips based on internal air pressure monitoring.

Triple Flexible Pipetting

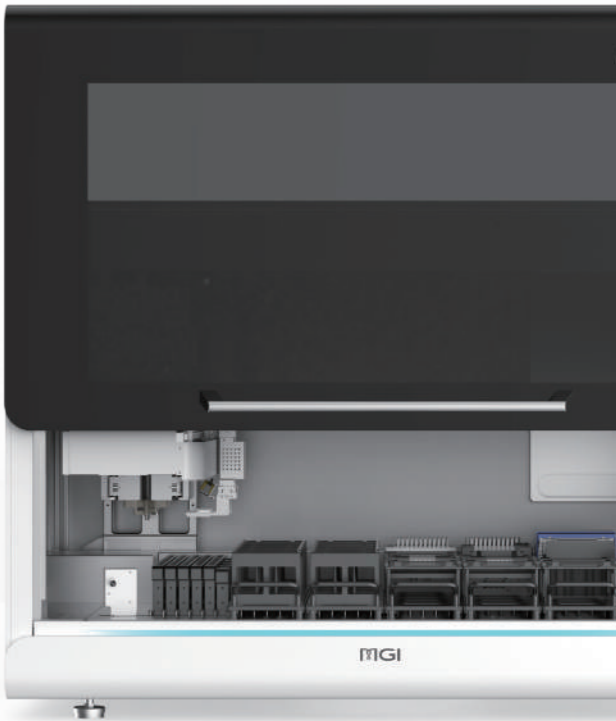
- **Unequal Volume Pipetting**: Each channel pipette allows for unequal volume pipetting from 1-1000µL volume.
- **Unequal Height Pipetting**: The pipette height of each channel can be adjusted intelligently.
- **Unequal Distance Pipetting**: Unequal independent spreading channels from 9mm-480mm allows for cross-tube and cross-plate pipetting .

Performance Parameter

Pipetting Range	Pipetting Volume	Pipetting CV	Pipetting Accuracy
1 µL-1000 µL	1 µL	<8 %	<±10 %
	200 µL	<1 %	<±2 %
	1000µL	<1 %	<±1 %

Plus+: Advanced Pipetting Freedom

- **Intelligent Liquid Level Tracking**
The tip depth under the liquid surface can be adjusted intelligently, which will avoid the tip hanging fluid.



Easy and Efficient

Graphical workflow design

Easier graphical interface

► Powerful process editing software

- SP-Smart 8 software adopts a graphical interface with **intelligent guidelines** and contains **9 functional instructions** and **35 modular commands**.
- SP-Smart 8 adopts **drag-and-drop process editing**, which enables users to create all types of experimental workflows flexibly.

► Easy and efficient process creating

- SP-Smart 8 provides **verified templates** to help simplify workflow creation. In addition, SP-Smart 8 also supports **users defining their own processes templates** based on their requirement.

graphical deck layout

Drag-and-drop workflow design

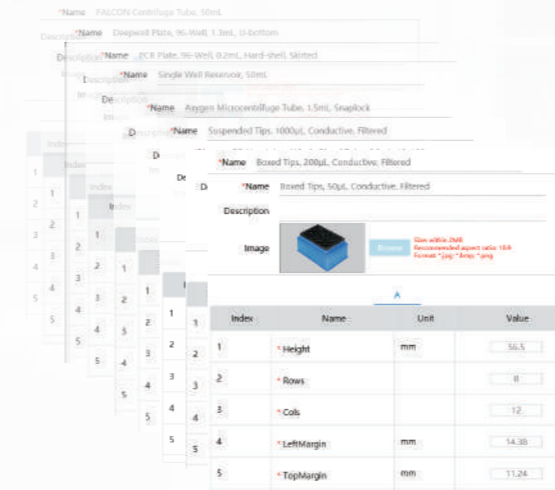
Modular process templates



Open parameter setting

► Consumables parameters

- SP-Smart 8 is compatible with **various common consumables**. In addition, SP-Smart 8 also supports **users to add third-party consumables** based on their requirement.



► Liquidclass parameters

- The SP-Smart 8 has **many common liquidclass parameters** to ensure pipetting accuracy, also, SP-Smart 8 supports **users to add new liquids** for abundant pipetting applications.





Modular design

Modular carriers and
multiple configurations

Modular design provides greater flexibility and expandability

- ▶ **Modular system design**
 - The modular design allows to quickly and easily combine, replace or rearrange functional modules & carriers & adapters, flexibly serving different application scenarios.
- ▶ **Multiple functional modules**
 - The SP-Smart 8 includes abundant functional modules to realize the transition from a simple pipetting platform to an automated workstation adapted to different applications.



① Choose a host	② Select function modules & function carriers	③ Selecting the base carriers	④ Select adapters	⑤ Select consumables
 <p>Host without HEPA</p>  <p>Host with HEPA</p>	<div>Deck Scanner A</div> <div>Robot Scanner A</div> <div>Magnetic Module A</div> <div>Magnetic Module B</div> <div>Shaker Module A</div> <div>E-control Module</div> <div>Combi. Carrier B (with Temp. Control Modul*1)</div> <div>Combi. Carrier H (with Heater Shaker Module*1)</div> <div>Combi. Carrier I (with Temp. Control Modul*2)</div> <div>Combi. Carrier G (with Heater Shaker Module*2)</div> <div>Combi. Carrier J (with PCR Module*1)</div>	<div>Tube Carrier A</div> <div>Tube Carrier B</div> <div>Tube Carrier C</div> <div>Single Well Reservoir Carrier A</div> <div>Suspended Tip Carrier A</div> <div>Plate Carrier A</div> <div>Combi. Carrier A</div> <div>Combi. Carrier B</div> <div>Stack Module A</div> <div>Stack Module B</div> <div>Stack Base A</div>	<div>Tube Adapter A</div> <div>Tube Adapter B</div> <div>Multi-segment Adapter A</div> <div>Multi-segment Adapter B</div> <div>Multi-segment Adapter C</div> <div>Deepwell Plate Adapter A</div> <div>PCR Plate Adapter A</div> <div>PCR Plate Adapter B</div> <div>Single Well Reservoir Adapter A</div> <div>PCR Plate Adapter C</div> <div>Deepwell Plate Adapter C</div> <div>Single Well Reservoir Adapter B</div> <div>Multi-segment Adapter D</div>	<div>Tips</div> <div>96-Well Plates</div> <div>384-Well Plates</div> <div>Single hole groove type</div> <div>Break-away PCR Plate</div>

Complete Your Equipment Design

*Please confirm the application, compatible kits and throughput before starting to design your SP-Smart 8.

How to Choose

SP-Smart 8

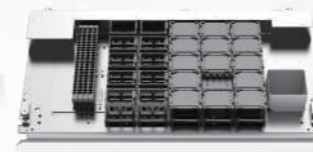
Config.1 Cherry Picking Workstation

Config.2 Sample Transfer & Reaction Preparation Workstation

Config.3 Nucleic Acid Extraction Workstation

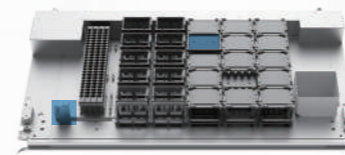
Config.4 Library Preparation Workstation

B



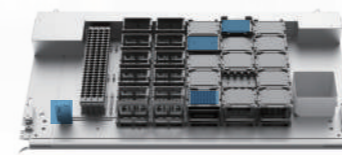
► Config.1 **Cherry Picking Workstation**

- It is suitable for various consumables, realizing flexible pipetting.



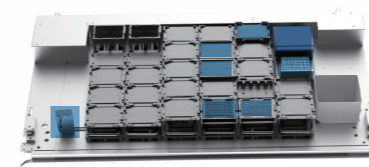
► Config.2 **Sample Transfer & Reaction Preparation Workstation**

- It realizes sample and reagent dispensing and reaction preparing, etc., with the Temp. Control Module.



► Config.3 **Nucleic Acid Extraction Workstation**

- It can fully automate the workflows including sample dispensing / nucleic acid extraction/reaction setup/normalization.
- It reduces aerosol contamination with dual HEPA system.



► Config.4 **Library Preparation Workstation**

- It can automate most library preparation processes such as extraction, normalization, purification, enzyme reaction, hybridization & capture, make DNB, pooling, etc.

SP-Smart 8RS
Config.1

900-000495-00

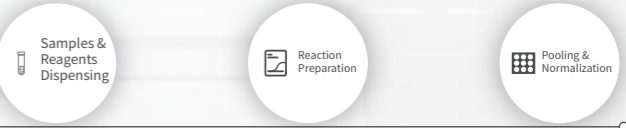
Cherry Picking Workstation



SP-Smart 8RS
Config.2

900-000500-00

Sample Dispensing &
Reaction Preparation Workstation

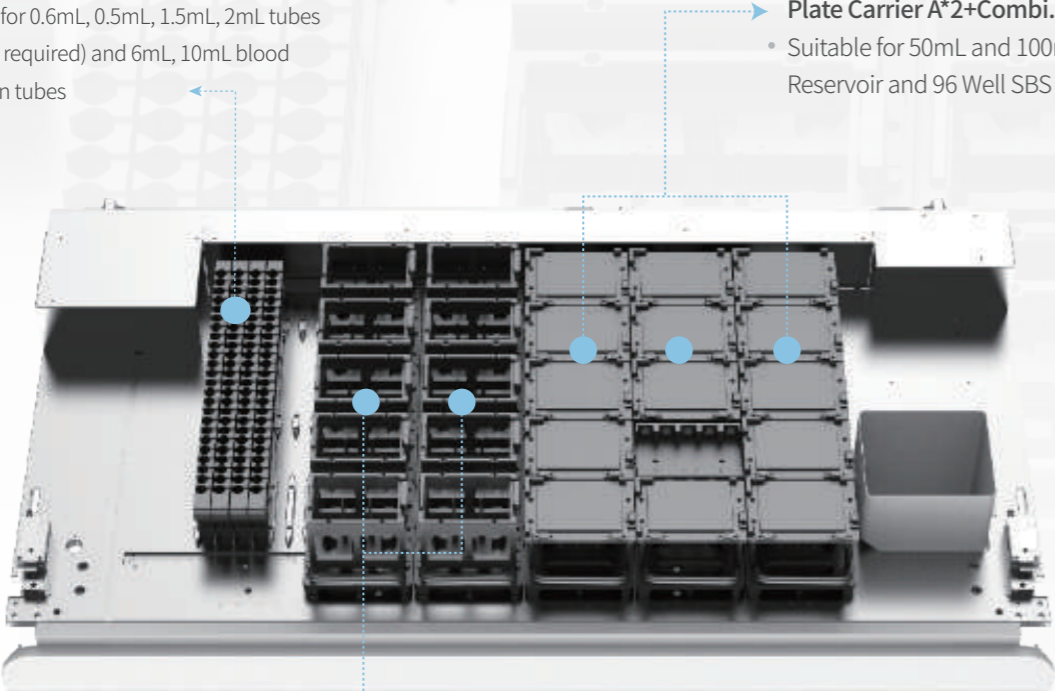


Tube carrier A*4

- Suitable for 0.6mL, 0.5mL, 1.5mL, 2mL tubes (adapter required) and 6mL, 10mL blood collection tubes

Plate Carrier A*2+Combi. Carrier A*1

- Suitable for 50mL and 100mL Single Well Reservoir and 96 Well SBS Microplates



Suspended Tip Carrier A*2

- Suitable for 1000µL, 200µL and 50µL automated tips

Support tubes on machine;

Flexible random sampling ;

Suitable for various consumables.

Tube Carrier A*4

- Suitable for 0.6mL, 0.5mL, 1.5mL, 2mL tubes (adapter required) and 6mL, 10mL Blood Collection Tubes

Plate Carrier A*1+Combi. Carrier A*1

- Suitable for 50mL and 100mL Single Well Reservoir and 96 Well SBS Microplates

Deck Scanner A*1

- For scanning of the 1D code tubes



For low-temperature storing and high-temperature heating of samples or reagents.





Combi. Carrier B*1

- Temp. Control Module A*1
- Multi-segment Adapter A*1

Suspended Tip Carrier A*2







- Suitable for 1000µL, 200µL and 50µL Automated Tips

The following adapters require extra purchase (not in config.1)

Picture	Name	Item No.
	Tube Adapter A	510-003559-00
	Tube Adapter B	510-003561-00
	PCR Plate Adapter C	510-003047-00
	Deepwell Plate Adapter B	510-003174-00

Picture	Name	Item No.
	PCR Plate Adapter A	510-003556-00
	Multi-segment Adapter B	510-003557-00
	Multi-segment Adapter C	510-003560-00

The following adapters require extra purchase (not in config.2)

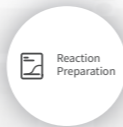
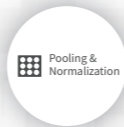
Picture	Name	Item No.
	Tube Adapter A	510-003559-00
	Tube Adapter B	510-003561-00
	Multi-segment Adapter B	510-003557-00
	Multi-segment Adapter C	510-003560-00
	Multi-segment Adapter D	510-003173-00
	Single Well Reservoir Adapter B	510-003175-00

Picture	Name	Item No.
	PCR Plate Adapter A	510-003556-00
	PCR Plate Adapter B	510-003558-00
	PCR Plate Adapter C	510-003047-00
	Deepwell Plate Adapter A	510-003563-00
	Deepwell Plate Adapter B	510-003174-00
	Deepwell Plate Adapter C	510-003172-00

SP-Smart 8RS
Config.3

900-000498-00

Nucleic Acid Extraction Workstation



For shaking & heating function.

- Combi. Carrier**
- Heater Shaker Module*1
 - Deepwell Plate Adapter A*1
 - Single Well Reservoir Adapter A*1

- Tube Carrier A*4**
- Suitable for 0.6mL, 0.5mL, 1.5mL, 2mL Tubes (adapter required) and 6mL, 10mL Blood Collection Tubes

- Plate Carrier A*1**
- Suitable for 96 Well SBS Microplates

- Deck Scanner A*1**
- For scanning of the 1D code tubes

For low-temperature storing and high-temperature heating of samples or reagents;
Supporting magnetic beads adsorption in Deepwell Plate to automate nucleic acid extraction or purification of samples.

- Combi. Carrier**
- Temp. Control Module*2
 - Magnetic Module A*1
 - Multi-segment Adapter A*1

- Suspended Tip Carrier A*2**
- Suitable for 1000µL, 200µL and 50µL Automated Tips

HEPA Module A*1
Air purification rate of 99.995% @ 0.3µm.

The following adapters require extra purchase (not in config.3)

Picture	Name	Item No.
	Tube Adapter A	510-003559-00
	Tube Adapter B	510-003561-00
	Multi-segment Adapter B	510-003557-00
	Multi-segment Adapter D	510-003173-00
	Single Well Reservoir Adapter B	510-003175-00

Picture	Name	Item No.
	Multi-segment Adapter C	510-003560-00
	PCR Plate Adapter A	510-003556-00
	PCR Plate Adapter B	510-003558-00
	PCR Plate Adapter C	510-003047-00
	Deepwell Plate Adapter B	510-003174-00
	Deepwell Plate Adapter C	510-003172-00

SP-Smart 8RS
Config.4

900-000503-00

Library Preparation Workstation



- Tube Carrier A*4**
- Extra Tube Carriers for tube samples automation

- Combi.Carrier K*2**
- Suitable for 1000µL suspended tips and 200µL, 50µL boxed tips

To realize the reuse of the tips, Reduce consumable costs

- Combi. Carrier**
- Temp. Control Module A*2
 - Magnetic Module A*1
 - Deepwell Plate Adapter A*1
 - Multi-segment Adapter A*1

For low-temperature storing and high-temperature heating of samples or reagents;
Supporting magnetic beads adsorption in Deepwell Plate to automate nucleic acid extraction or purification of samples.

- Deck Scanner A*1**
- For scanning of the 1D code tubes

- Plate Carrier A*1**
- Compatible SBS Microplates

For shaking & heating function;
For magnetic beads absorption based on PCR plate to purify samples.

- Combi. Carrier**
- Heater Shaker Module*1
 - Magnetic Module A*1
 - Deepwell Plate Adapter A*1
 - Single Well Reservoir Adapter A*1

- Combi. Carrier**
- PCR Module A*1
- For enzyme reactions and PCR reactions.

HEPA Module A*1
Air purification rate of 99.995% @ 0.3µm.

The following adapters require extra purchase (not in config.4)

Picture	Name	Item No.
	Tube Adapter A	510-003559-00
	Tube Adapter B	510-003561-00
	Multi-segment Adapter B	510-003557-00
	Multi-segment Adapter D	510-003173-00
	Single Well Reservoir Adapter B	510-003175-00

Picture	Name	Item No.
	Multi-segment Adapter C	510-003560-00
	PCR Plate Adapter A	510-003556-00
	PCR Plate Adapter B	510-003558-00
	PCR Plate Adapter C	510-003047-00
	Deepwell Plate Adapter B	510-003174-00
	Deepwell Plate Adapter C	510-003172-00



Purchasing Guide

More about SP-Smart 8

Unlock flexibility and possibilities




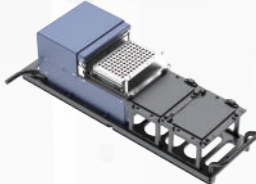



■ Hosts

Image	Name	Description	Item NO.
	SP-Smart 8 Automated Sample Preparation System	Without HEPA.	900-000592-00
	SP-Smart 8 Automated Sample Preparation System	With HEPA, maintain negative pressure inside the machine.	900-000589-00




■ Function Modules (Optional)

Image	Name	Description	Item NO.
	Robot Scanner A	Able to move with pipette arm, used for scanning barcodes of microplates.	510-001991-00
	Deck Scanner A	Fix on the left side of the table, used for scanning barcodes of tubes.	510-002091-00
	Magnetic Module A	For magnetic beads absorption based on Deepwell Plates.	510-002090-00
	Magnetic Module B	For magnetic beads absorption based on 0.2mL 96 Well Skirted PCR Plates.	510-002095-00
	Shaker Module A	For mixing during experiments on Deepwell Plates.	510-002089-00
	E-control Module	An automatic control system that connects the communication between the computer and machine, and provides power for machine, Temp.Control Module A, Heater&Shaker Module A, Shaker Module A and PCR Module A.	510-002096-00




Function Carriers

Image	Name	Description	Item NO.
	Combi. Carrier B	The second position is a Temp.Control Module A for low-temperature storing and high-temperature heating of samples or reagents.	510-001996-00
	Combi. Carrier G	Ireludes PCR Module A for enzyme reaction and PCR reaction.	510-002000-00
	Combi. Carrier H	The first position is the Heater & Shaker Module A, providing both shaking and heating functions.	510-001997-00
	Combi. Carrier I	Two Temp.Control Modules A for low-temperature storing and high-temperature heating of samples or reagents.	510-001994-00
	Combi. Carrier J	Two Heater & Shaker Module A provide shaking & heating functions.	510-002003-00


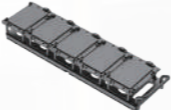
Stack Module

Image	Name	Description	Item NO.
	Stack Module A	It supports stacking of 2*pcr plates or 2*deep well plates.	510-003584-00
	Stack Module B	It supports stacking of 3*pcr plates.	510-003582-00
	Stack Base A	Base for stack module	510-003764-00

Tube Carriers

Image	Name	Description	Item NO.
	Tube Carrier A	It can be placed 24 tubes, compatible with 0.5mL, 0.6mL, 1.5mL, 2mL Centrifugal Tubes (adaptors required) or 6mL, 10mL Blood Collection Tubes.	510-002097-00
	Tube Carrier B	It can be placed 20 tubes, compatible with 5mL Centrifugal Tubes.	510-002093-00
	Tube Carrier C	It can be placed 12 tubes, compatible with 50mL Centrifugal Tubes.	510-002092-00


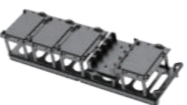
Tip Carriers

Image	Name	Description	Item NO.
	Suspended Tip Carrier A	It can be placed 5 boxes of tips, compatible with 50μL, 200μL, 1000μL Tips.	510-002094-00
	Plate Carrier B	Suitable for 200μL, 50μL boxed tips	510-002912-00

Reservoir Carriers

Image	Name	Description	Item NO.
	Single Well Reservoir Carrier A	It can be placed 4 Single Well Reservoirs, compatible with 50mL and 100mL Reservoirs.	510-001992-00

Plate Carriers

Image	Name	Description	Item NO.
	Plate Carrier A	It can be placed 5 microplates.	510-002001-00
	Combi. Carrier A	The fourth plate is Plate Carrier Rack B, with Single Well Reservoirs Adapter A, which can hold 4 SBS Microplates and 5 Single Well Reservoirs of 50mL and 100mL.	510-001998-00

Adapters and others





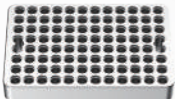
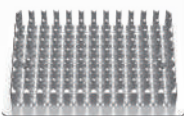









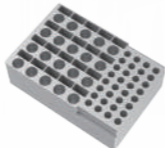



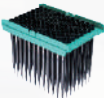
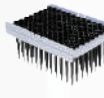
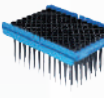

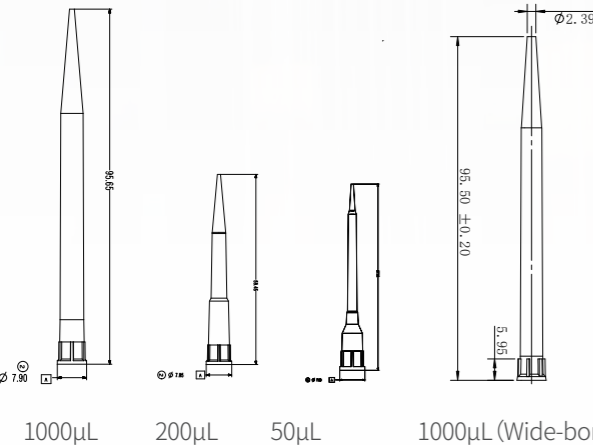
Image	Name	Description	Item NO.
	Tube Adapter A	Applied to Tube Carrier A, compatible with 0.5mL, 2mL Cryo Tubes and 1.5mL, 2mL Centrifuge Tubes.	510-003559-00
	Tube Adapter B	Applied to Tube Carrier A, compatible with 0.6mL Centrifuge Tubes.	510-003561-00
	Single Well Reservoir Adapter A	Applied to Plate Carrier Rack B, compatible with 5 Single Well Reservoirs of 50mL or 100mL.	510-003562-00
	PCR Plate Adapter A	Applied to SBS Plate, compatible with 0.2 mL 96 Well Half-skirt PCR Plate.	510-003556-00
	PCR Plate Adapter B	Applied to Temp.Control Module A, compatible with 96 Well PCR Plates.	510-003558-00
	Deepwell Plate Adapter A	Applied to Temp.Control Module A and Heater Shaker Module A, compatible with 1.3ml 96 Well U-bottom Deepwell Plate.	510-003563-00
	Multi-segment Adapter A	Applied to Temp.Control Module A, compatible with 0.5mL, 2mLCentrifuge Tubes and Break-away PCR Plate.	510-003564-00
	Multi-segment Adapter B	Applied to SBS Plate, compatible with 0.6mL Centrifuge Tubes.	510-003557-00
	Multi-segment Adapter C	Applied to SBS Plate, compatible with 0.5mL, 2mL Cryo Tubes and 1.5mL, 2mL Centrifuge Tubes and Break-away PCR Plate.	510-003560-00

Image	Name	Description	Item NO.
	PCR Plate Adapter C	Appied to standard postion module for anti-strap adapter of PCR plate	510-003047-00
	Deepwell Plate Adapter B	Appied to standard postion module for anti-strap adapter of 1.3mL DeepWell Plate	510-003174-00
	Deepwell Plate Adapter C	Applied to temp.control module for anti-strap adapter of 1.3mL DeepWell Plate	510-003172-00
	Single Well Reservoir Adapter B	Used on temp.Control module, suitable for 50 mL Single Well R eservoir. Supports the temperature control function of reservoir	510-003175-00
	Multi-segment Adapter D	Anti-condensation water adapter on the temperature control module, compatible with Break-away PCR Plate and 0.5mL and 2mL cryo tubes	510-003173-00
	Multi-segment Adapter E	Applied to SBS Plate, compatible with 0.5mL, 2mLand 5mL Cryo Tubes or Centrifuge Tubes and Break-away PCR Plate.	010-005944-00
	Multi-segment Adapter F	Applied to temp.control module, compatible with 0.5mL, 2mL Cryo Tubes or Centrifuge Tubes and Break-away PCR Plate.	010-005945-00
	Seading Lid Adapter A	Cover plate for sealing cap A, sealing cap B and microplate lip.	014-000444-00
	PCR Adapter D	It supports automated pipetting of PCR plate during sealing, providing anti-band-ing function, which is applied to temp.-control module.	014-000446-00
	Bio-waste bin A	Expansion of waste capacity	510-004206-00

Automated Conductive Tips

Image	Name	Specification	Unit	Sterility	Item NO.
	1000µL Tips, Conductive , Filtered, Suspended	96 tips/rack, 40 racks/case	Case	Sterile	091-000223-00
	200µL Tips, Conductive , Filtered, Suspended	96 tips/rack, 24 racks/case	Case	Sterile	091-000156-00
	50µL Tips, Conductive , Filtered, Suspended	96 tips/rack, 24 racks/case	Case	Sterile	091-000159-00
	1000µL Black Conductive Tips, Sterile, Filtered (Wide-Bore)	96 tips/rack, 16 racks/case	Case	Sterile	091-000020-00

Tips Size



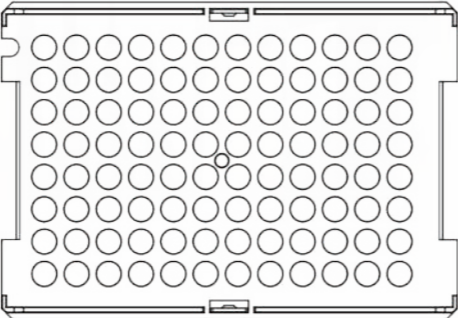
1000µL

200µL

50µL

1000µL (Wide-bore)

Tip Rack Size



• Material

✓ Conductive polypropylene

• Purity standard

✓ Human DNA free

✓ PCR inhibitors free

✓ Dnase/RNase free, Sterile



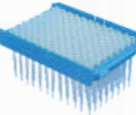
• Features

✓ High-quality conductive polypropylene enables reliable liquid-level detection

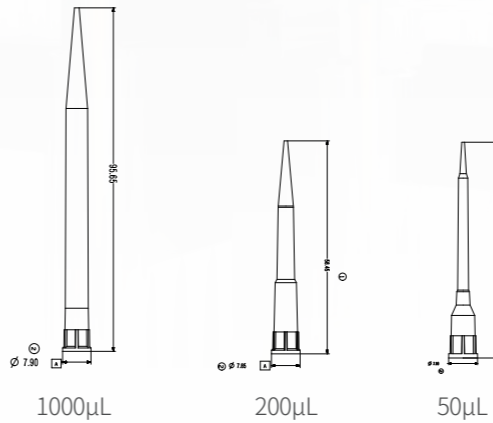
✓ Sterile filter elements prevent aerosol pollution

✓ Wide-bore tips can be used to pipette the viscous solution

Automated Transparent Tips

Image	Name	Specification	Unit	Sterility	Item NO.
	1000µL Tips, Transparent , Filtered, Suspended	96 tips/rack, 16 racks/case	Case	Sterile	1000023970
	200µL Tips, Transparent , Filtered, Suspended	96 tips/rack, 24 racks/case	Case	Sterile	091-000158-00
	50µL Tips, Transparent , Filtered, Suspended	96 tips/rack, 24 racks/case	Case	Sterile	091-000157-00

Tips Size

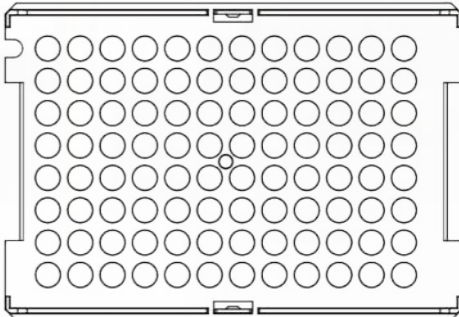


1000µL

200µL

50µL

Tip Rack Size



• Material

✓ Polypropylene

• Purity standard

✓ Human DNA free

✓ PCR inhibitors free

✓ Dnase/RNase free, Sterile

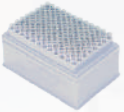
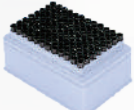
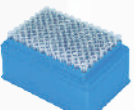
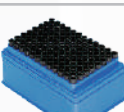
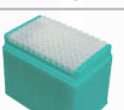

• Features

✓ High-quality polypropylene, resistant to various chemical reagents

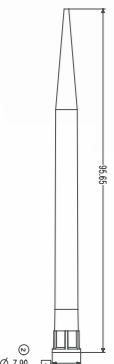
✓ Sterile filter elements prevent aerosol pollution

✓ Different tip specifications ensure accurate sample transfer

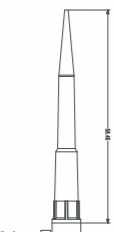
Automated Transparent Tips

Image	Name	Specification	Unit	Sterility	Item NO.
	200µL Tips, Conductive , Filtered, Box	96 tips/box 24 boxes/case	Case	Sterile	091-000164-00
	200µL Tips, Transparent , Filtered, Box	96 tips/box 24 boxes/case	Case	Sterile	091-000163-00
	50µL Tips, Conductive , Filtered, Box	96 tips/box 24 boxes/case	Case	Sterile	091-000161-00
	50µL Tips, Transparent , Filtered, Box	96 tips/box 24 boxes/case	Case	Sterile	091-000162-00
	1000µL Tips, Transparent, Filtered, Tall Box	96 tips/box 30 boxes/case	Case	Sterile	091-000377-00
	1000µL Tips, Conductive, Filtered, Tall Box	96 tips/box 30 boxes/case	Case	Sterile	091-000399-00

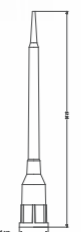
Tips Size



1000µL

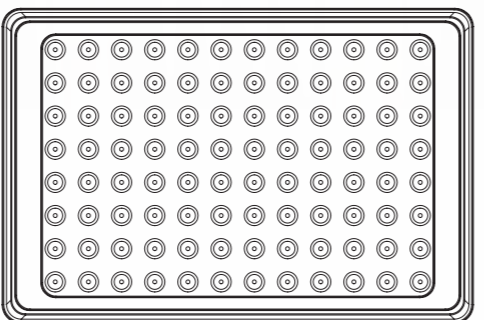


200µL



50µL

Tip Rack Size



Material

- ✓ Polypropylene





Purity standard

- ✓ Human DNA free
- ✓ PCR inhibitors free
- ✓ Dnase/RNase free, Sterile

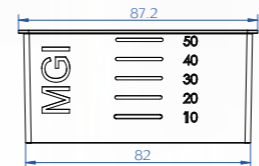
Features

- ✓ High-quality polypropylene, resistant to various chemical reagents
- ✓ Sterile filter elements prevent aerosol pollution
- ✓ Different tip specifications ensure accurate sample transfe
- ✓ To realize the reuse of the tips, Reduce consumable costs

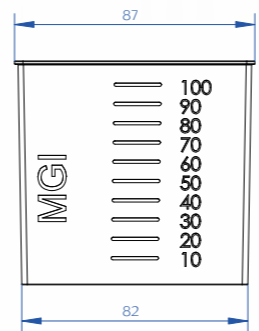
Single Well Reservoirs

Image	Name	Specification	Unit	Volume	Sterility	Item NO.
	50mL Single Well Reservoir	50 pieces/box	Box	2-50mL	Sterile	012-000780-00
	100mL Single Well Reservoir	50 pieces/box	Box	2-100mL	Sterile	012-000779-00
	50mL Single Well Reservoir and Cap Set	50 Sets/box	Box	2-50mL	Sterile	091-000375-00
	100mL Single Well Reservoir and Cap Set	50 Sets/box	Box	2-100mL	Sterile	091-000374-00

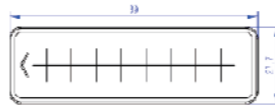
Single Well Reservoir Size



50mL Single Well Reservoir



100mL Single Well Reservoir







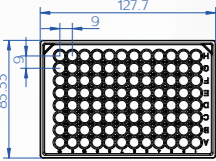
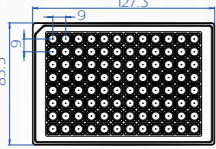
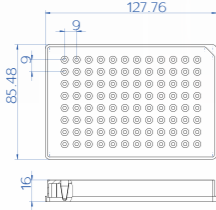
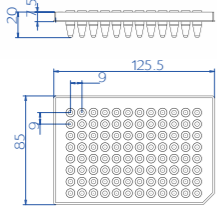
Cap

Consumables Description

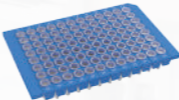
- Material
 - ✓ Polypropylene
- Purity standard
 - ✓ Human DNA free
 - ✓ PCR inhibitors free
 - ✓ DNase, RNase free, Sterile
- Features
 - ✓ Resistant to various chemical reagents
 - ✓ Accurate measuring range, flexible working volume, efficient dispensing of reagents

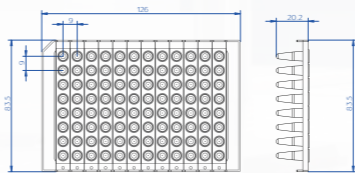

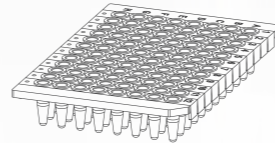
96 Well Plates

Image	Name	Specification	Unit	Volume	Sterility	Item NO.
	1.3ml 96 Well U-bottom Deepwell Plate	2 plates/bag	Bag	≤1.3mL	Sterile	1000004644
	2.2 mL 96 Well V-bottom Deepwell Plate	60 plates/case	Case	≤2.2mL	Sterile	1000008088
	Hard-shell Thin-wall 96 Well Skirted PCR Plates, White Shell/Clear Well	10 plates/bag	Bag	≤200 μL	Sterile	1000012059
	0.2 mL 96 Well Half-skirt PCR Plate	10 plates/box, 20 boxes/case	Case	≤200 μL	Sterile	1000000671

96 Well Plate Size		Consumables Description	
 1.3mL 96 Well U-bottom Deepwell Plate		<ul style="list-style-type: none">• Material: USP Class VI and FDA approved medical grade polypropylene material	<ul style="list-style-type: none">• Purity standard<ul style="list-style-type: none">✓ Human DNA free✓ PCR inhibitors free✓ DNase, RNase free, Sterile• Features<ul style="list-style-type: none">✓ High-quality heat-resistant and corrosion-resistant polypropylene material✓ Letter-number coordinate design, easy to locate well✓ High flatness and good consistency of external dimension, and conducive to the grab of automatic instrument mechanical arm
 2.2mL 96 Well V-bottom Deepwell Plate			
 0.2mL 96 Well Half-skirt PCR Plate		<ul style="list-style-type: none">• Purity standard<ul style="list-style-type: none">✓ Sterile, pyrogen free✓ Endotoxin, DNA free✓ DNase, RNase free✓ Inhibitors free	<ul style="list-style-type: none">• Features<ul style="list-style-type: none">✓ High-quality heat-resistant and corrosion-resistant polypropylene material✓ Ultra-thin tube wall provides fast and uniform heat conduction effect✓ Letter-number coordinate design, easy to locate well✓ Convex edge design of the tube guarantees the sealing and pollution-free
 0.2mL 96 Well Half-skirt PCR Plate		<ul style="list-style-type: none">• Purity standard<ul style="list-style-type: none">✓ Sterile, pyrogen free✓ Endotoxin, DNA free✓ DNase, RNase free✓ Inhibitors free	<ul style="list-style-type: none">• Features<ul style="list-style-type: none">✓ High-quality heat-resistant and corrosion-resistant polypropylene material✓ Ultra-thin tube wall provides fast and uniform heat conduction effect✓ Convex edge design of the tube guarantees the sealing and pollution-free

Break-away PCR Plate

Image	Name	Specification	Unit	Volume	Sterility	Item NO.
	Break-away PCR Plate and Cover, 96 Well	10 plates/box(Tube) 120 strips/box (Cap)	Box	≤200 μL	Sterile	100-000016-00

Break-away PCR Plate Size	Consumables Description
  	<ul style="list-style-type: none">• Material<ul style="list-style-type: none">✓ Tube Wells: polypropylene✓ Tube Frame: Polycarbonate✓ Cap: Polypropylene• Purity standard<ul style="list-style-type: none">✓ Sterile, pyrogen free✓ Endotoxin, DNA free✓ DNase, RNase free✓ Inhibitors free• Features<ul style="list-style-type: none">✓ Standard 96-well design, can be broken vertically into single eight-tubes✓ Matching caps can effectively prevent sample volatilization✓ Dual-material design, the rugged plate is more suitable for heat sealing film. It can be used in combined with Strips of 8 Caps.

Consumables List

Automated Tips

Name	Specification	Unit	Item NO.
1000μL Tips, Conductive , Filtered, Suspended	96 tips/rack, 40 racks/case	Case	091-000223-00
200μL Tips, Conductive , Filtered, Suspended	96 tips/rack, 24 racks/case	Case	091-000156-00
50μL Tips, Conductive , Filtered, Suspended	96 tips/rack, 24 racks/case	Case	091-000159-00
1000μL Black Conductive Tips, Sterile, Filtered (Wide-Bore)	96 tips/rack, 16 racks/case	Case	091-000020-00
1000μL Tips, Transparent , Filtered, Suspended	96 tips/rack, 16 racks/case	Case	1000023970
200μL Tips, Transparent , Filtered, Suspended	96 tips/rack, 24 racks/case	Case	091-000158-00
50μL Tips, Transparent , Filtered, Suspended	96 tips/rack, 24 racks/case	Case	091-000157-00
200μL Tips, Conductive , Filtered, Box	96 tips/box, 24 boxes/case	Case	091-000164-00
200μL Tips, Transparent , Filtered, Box	96 tips/box, 24 boxes/case	Case	091-000163-00
50μL Tips, Conductive , Filtered, Box	96 tips/box, 24 boxes/case	Case	091-000161-00
50μL Tips, Transparent , Filtered, Box	96 tips/box, 24 boxes/case	Case	091-000162-00
1000μL Tips, Transparent, Filtered, Tall Box	96 tips/box, 30 boxes/case	Case	091-000377-00
1000μL Tips, Conductive, Filtered, Tall Box	96 tips/box, 30 boxes/case	Case	091-000399-00

Single Well Reservoirs

Name	Specification	Unit	Item NO.
50mL Single Well Reservoir	50 pieces/box	Box	012-000780-00
100mL Single Well Reservoir	50 pieces/box	Box	012-000779-00
50mL Single Well Reservoir and Cap Set	50 Sets per Box	Box	091-000375-00
100mL Single Well Reservoir and Cap Set	50 Sets per Box	Box	091-000374-00

96 Well Plates

Name	Specification	Unit	Item NO.
1.3ml 96 Well U-bottom Deepwell Plate	2 plates/bag	Bag	1000004644
2.2 mL 96 Well V-bottom Deepwell Plate	60 plates/bag	Case	1000008088
Hard-shell Thin-wall 96 Well Skirted PCR Plates, White Shell/Clear Well	10 plates/bag	Bag	1000012059
0.2 mL 96 Well Half-skirt PCR Plate	10 plates/box, 20 boxes/case	Case	1000000671

Break-away PCR Plate

Name	Specification	Unit	Item NO.
Break-away PCR Plate and Cover, 96 Well	10 plates/box (Tube)	Box	100-000016-00
	120 strips/box (Cap)		

MGISP Series

Multi-faceted to meet your laboratory's individual needs



Throughput ▶ 8 or 16 Samples/Run*

Deck capacity ▶ 6 SBS positions

- Fixed 8-channel pipette
- Compact countertop, standardized model for library preparation
- Suitable for small and medium-sized laboratory



Throughput ▶ 1-48 Samples/Run*

Deck capacity ▶ 30 SBS positions

- Independent 8-channel pipette
- Rail-type countertops, customizable for different applications
- Fit for flexible throughput laboratory



Throughput ▶ 96 Samples/Run*

Deck capacity ▶ 24 SBS positions

- Fixed 96-channel pipette
- Compact countertop, integrate multiple function modules
- Suitable for high throughput laboratory

*The numbers were calculated based on the throughputs of library preparation.