

Product Features



- All-in-one extraction, library prep & QC modules for full-process automation; standalone sub-workflows available to save labor and runtime
- Modular configurable design to match custom lab demands



- Random loading of 1-32 samples per run, fits low to medium throughput library preparation



- Mechanical door interlocks and safety sensors are fitted to protect operator safety
- Multi-layer anti-contamination architecture equipped with UV sterilization lamps and HEPA filters delivers comprehensive protection to preserve sample integrity



- Full-process automation eliminates human-induced operational errors
- Pressure-sensing liquid level detection on the pipetting unit enables highly accurate microvolume liquid transfer



- Preloaded with multiple complete library preparation protocols; intuitive graphical interface enables fast workflow setup
- Real-time run status display shows ongoing steps and remaining runtime countdown
- Built-in power-on self-test and fault alert system guarantees uninterrupted experimental workflows

Application Areas



Pathogen Testing



Tumor Detection



Reproductive Testing



Omics Research

Specifications

Model	AISPre 3200	
Throughput	1-32 samples/run	
Clean System	Ultraviolet disinfection lamp, HEPA filtration	
Mechanical Precision	±0.1mm	
Parameters	Dimensions	1320mm×840mm×1125mm
	Weight	290Kg
	Voltage	AC 220V ± 22V
Power Requirements	Frequency	50Hz ± 1Hz
	Power	2000 VA
Operating Environment	Temperature	19 °C~30 °C
	Humidity	≤70%
Reserved Interfaces	Interface Type	USB Type-A
	USB3.0	Data import/export
	USB3.0	Data import/export
Software	Operating System	Windows 10 IOT EE
	Display	1920*1080
	Memory	8GB

Sikun Life Science Co.,Ltd.

Add. No. 199, 15th Street, National Eco & Tech Development Area, Zhengzhou, China, 450016
info@sikun.com
www.sikun.com
+86 371 6200 1500

2026.07.14

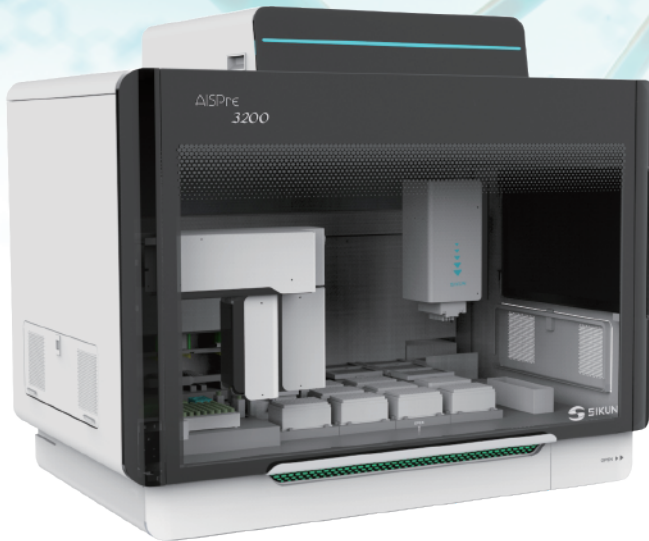


Sikun Life Science
Official Account



Sikun Life Science
Official Website

*Refer to Manual for detailed warnings or precautions.
*Internal materials. For discussion purposes only.
*Product specifications and parameters are subject to Manual.
*Specific product appearance shall prevail in kind.



AISPre[®]
3200

Automatic Library Preparation
System

Introduction

01

AISPre 3200 is a fully automated machine with built-in functions for extraction, library preparation and quality control.

02

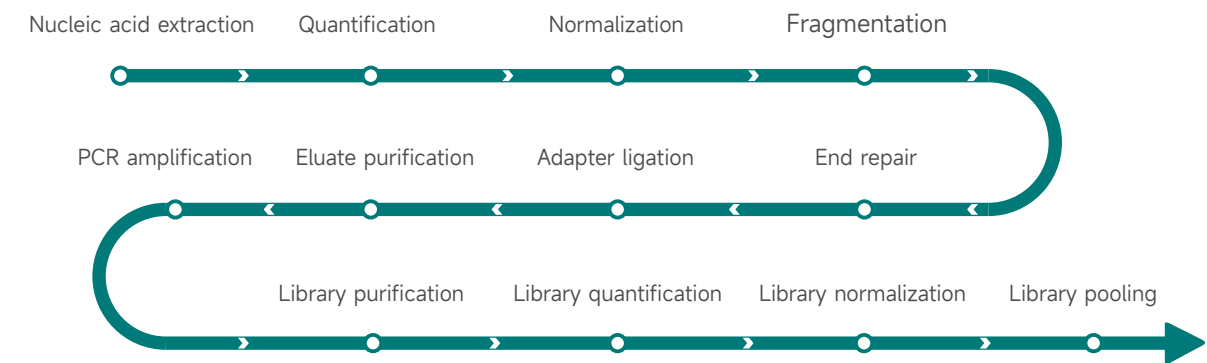
Preloaded with diverse application-specific library preparation protocols to support end-to-end workflows including sample processing, library setup and quality control.

03

Works with matched reagents for fast, accurate prep of 1-32 random samples per run.



Workflow



Module Function

End-to-End Anti-Contamination Design Full-Workflow Intelligent Solution

02 Extraction Module

Sample Throughput	1-32
Processing Volume	50-6000µL
Consumables	96-well deep plate / single reagent strip
Working Mode	magnetic bead method, magnetic rod - based/vertical mixing
Anti - Contamination Design	Dual-axis circulating airflow with integrated HEPA filtration to block aerosol contamination
Purification Well - to - Well Variation	CV<5%
Magnetic Bead Recovery Rate	≥95%
Lysis Temperature	Room temperature to 120°C
Elution Temperature	Room temperature to 120°C
Sterilization and Disinfection	Ultraviolet disinfection

03 Detection Module

- Can be used for the detection of nucleic acid /library concentration

Application	Nucleic acid quantification
Concentration Detectionrange	0.1-120ng/µL
Detection Quantity	1
Test throughput	64 tests
Consumables Used	Detection tube
Pipetting Liquid	Single-channel pipettor
Pipetting Range	1-200µL
Pipetting Principle	Air displacement
Pipetting Accuracy	1µL: ≤8%; 200µL: ≤1%
Pipetting Precision	1µL: ≤10%; 200µL: ≤1%

04 Refrigeration Module

- Can refrigerate and preserve reagents as required

Temperature Range	4-8°C
Cooling Module	96×4

01 Clean Module

- Full anti-contamination effectively ensures sample safety

Cleaning Device	Dedicated anti-contamination air duct + UV disinfection
Filter Rating	0.3µm
Filtration Efficiency	99.99%

08 Library-pre Module

- Precisely control pipetting volume

Pipetting Channels	32-channel fixed-pitch pipettor
Pipetting Range	2-200µL
Pipetting Principle	Air displacement
Pipetting Precision	2µL: ≤5%; 200µL: ≤1%
Pipetting Accuracy	2µL: ≤8%; 200µL: ≤1%

07 PCR Module

Sample Tube	100µL PCR plate
Temperature Range	Thermal lid: +30°C ~ 110°C Module itself: +4°C~+99°C
Average Heating Rate	≥4.2°C/s
Average Cooling Rate	≥2°C/s
Temperature Uniformity	≤0.2°C
Temperature Accuracy	≤0.3°C

06 Magnetic Separation Module

- 0-1 mm elastic suspension system

Usable Plate Types	96 deep-well plates and PCR plates
Universal Type	Round Hole

05 Shaking Module

- Built-in heating function, can efficiently mix magnetic beads and other reagents

Shaking Speed	0-2000r/min
Heating Temperature Range	Room temperature to 90°C
Consumable Specifications	Optional