

AutraMic mini 4800Plus

Product Specifications



Contamination Control	Fully enclosed negative pressure system
	Pipetting pump airtight anti-drip design
	HEPA filter
	UV lamp
Dimensions (L*W*H)	630mm×570mm×850mm
Weight	45kg

Major Functions	Automated decapping and recapping regular sampling tubes (proprietary)
	Automated distributing samples and proteinase K / internal control
	Extraction and purification of nucleic acid PCR setup and amplification
Throughput	1-48
Specimen Types	Swab, serum, plasma, whole blood, sputum, etc.
Volume	2-300µL
Turnaround Time	2 hours for 48 tests
Extraction Method	Magnetic beads method
Detection Module Parameters	Fluorescence channels: ≥4
	Independent LED excitation light source
	Heating: 4 °C/s
	Cooling: 3 °C/s
Temp control accuracy:	≤±0.25 °C
Power	AC100-220V (±10%); 50-60Hz
Environment	Temperature: 15-32 °C, humidity: 30-80%



AutraMic mini 4800Plus

Automated Workstation for Nucleic Acid Extraction and PCR Test

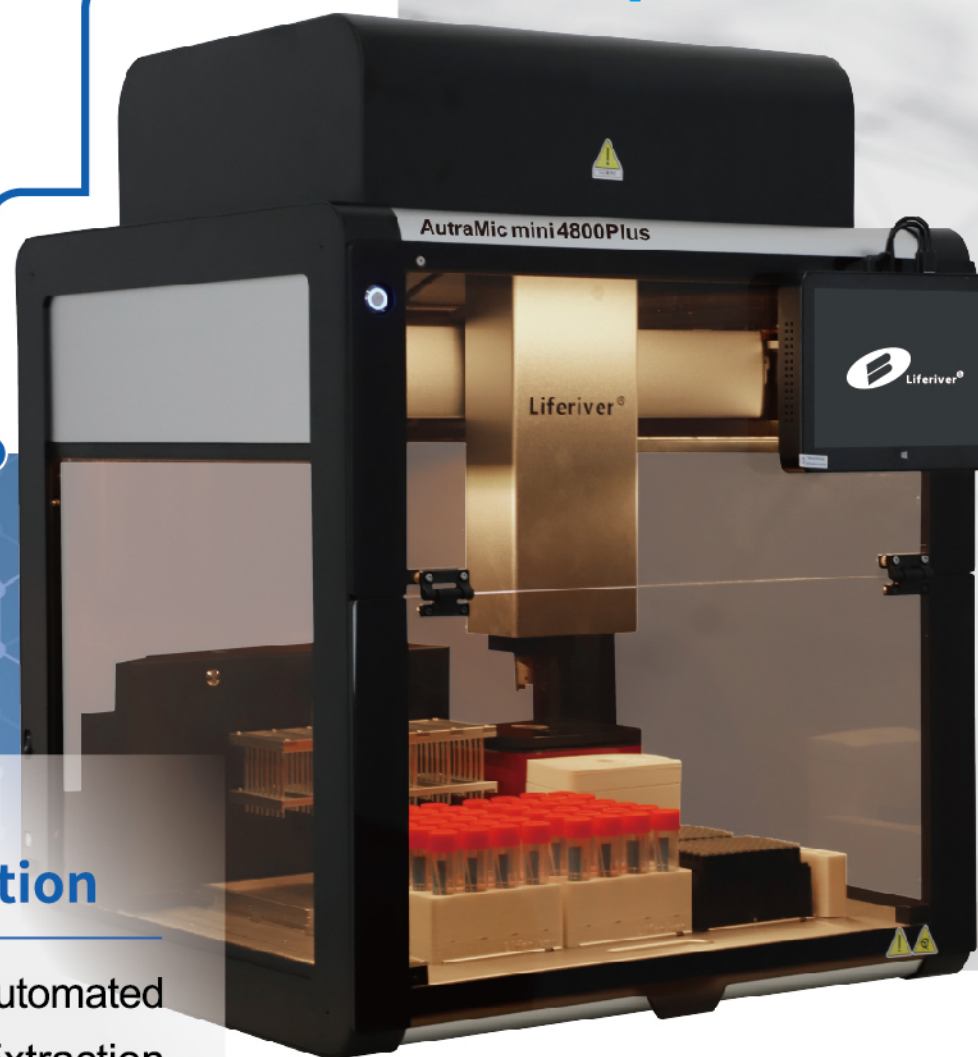
Autra Mic mini

4800Plus

Workstation Introduction

AutraMic mini 4800Plus, Automated Workstation for Nucleic Acid Extraction and PCR Test, can process 48 samples per run with automatic decapping and recapping sample tubes, distributing samples, nucleic acid extraction, and PCR amplification. All workflows are completed in a fully automated way by the instrument itself and without manual intervention, which results in no contact between operating personnel and samples.

Sample to Result



Core Technologies

- Intelligent sample distribution system
- Highly efficient nano magnetic beads extraction method to avoid misdiagnosis
- Real time qPCR to provide reliable results

Product Advantages

Convenient and Labor-saving

- Directly primary sample tube loading, with no tedious manual sample pipette
- Automatically decapping and recapping sample tubes to minimize manual operation

Fast and Efficient

- Sample to result in 2 hours for 48 tests
- Sample pooling: up to 10 samples

Safe and Reliable

- UV lamp and HEPA filter for highly effective contamination prevention
- Fully enclosed negative pressure system, with no contact between operating personnel and samples during the whole workflow

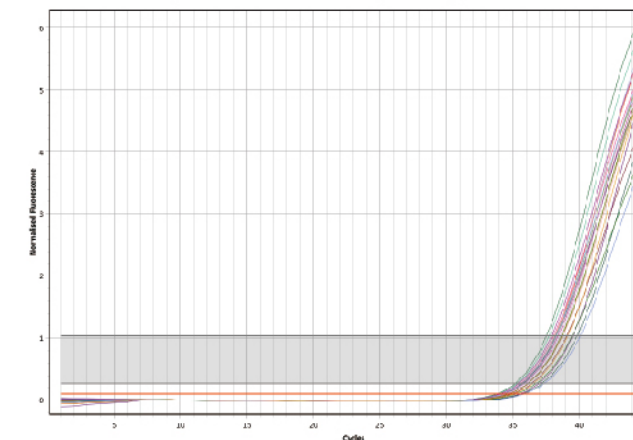
Smart and Small

- Floor space <math>< 0.4\text{m}^2</math>
- One-click daily maintenance
- Intelligent image recognition and warning system

Instrument Performance: Reliable Detection Results

Precision

Repeated extraction and detection results of the same specimen for 20 times (concentration: 300 copies/mL)



Linearity

Extraction and detection results of the same specimen of different concentration (concentrations: E7/E6/E5/E4/E3 copies/mL)

