DaAnGene



60mins/extraction
384 Samples

DA3500S

Automated Nucleic Acid Extraction System

NMPA FSC

DA3500S

DA3500S automated nucleic acid extraction system is composed of sample pooling module and nucleic acid extraction module. It can automatically process up to 384 samples in the condition of 8-sample pooling. The instrument integrates sample pooling, barcode identification, sample transfer, nucleic acid extraction and PCR set-up with high-precision liquid-handling technology, anti-contamination design and high-efficiency magnetic extraction functions.

Features

Automation
Walk-away automation, reducing manual operation.

Flexibly
The sample pooling is up to 8, and improve the working efficiency.

Anti-contamination
HEPA filter, UV disinfection, air exhaust system.

Convenient
Mixed samples from the sample pooling module can be transferred to the nucleic acid extraction module manually or automatically.

Unique
The sample pooling module and nucleic acid extraction module can operate independently or synchronously.

Pipetting module
- 4 Independent Air Displacement Pipetting Channels.
- Liquid Level Detection
- Pressure Level Detection
- Clot Detection

Extraction module
2 Independent extraction modules, throughput 48 samples each modules.



Sample rack
Can operate 384 samples.

PCR reagents
Prepare 3 PCR reagents.

Pooled samples
Can operate 48 pooled samples.

Extraction reagents
48 samples can be extracted at the same time.

One-stop Solution

Sample — Barcode Identification — Automatic Sample Loading — Automatic Extraction — PCR Set-up — RT-PCR

DA3500S

This instrument can automatically pipette up to 8 samples to 1 specimen preservation reagent, reducing manual operation and improving work efficiency. The sample pooling module and nucleic acid extraction module can operate independently or synchronously.



Nucleic acid extraction kit

- Good extraction stability and repeatability.
- PCR system preparation



Parameters

Sample throughput	1-384 smaples		
Sampling volume	2-1000μL		
Temperature range	Room temperature to 99°C		
Pipetting Performance	2μL-5μL	Accuracy: ±5%	Repeatability: ⩽3%
	5μL-10μL	Accuracy: ±3%	Repeatability: ⩽2%
	⩾10μL	Accuracy: ±1%	Repeatability: ⩽1%
Magnetic beads recovery rate	⩾98%		
Pipetting Repeatability	Variation coefficient not exceeding 1% (⩾10μL)		
Extraction module temperature control	±2°C		
Communication interface	Ethernet interface		
Anti-pollution design	UV light, HEPA filter, Exhaust rate > 0.5 m/s		
Dimension(L×W×H)	1184×720×785mm		
Net weight	150kg		
Certificates	NMPA, FSC		

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