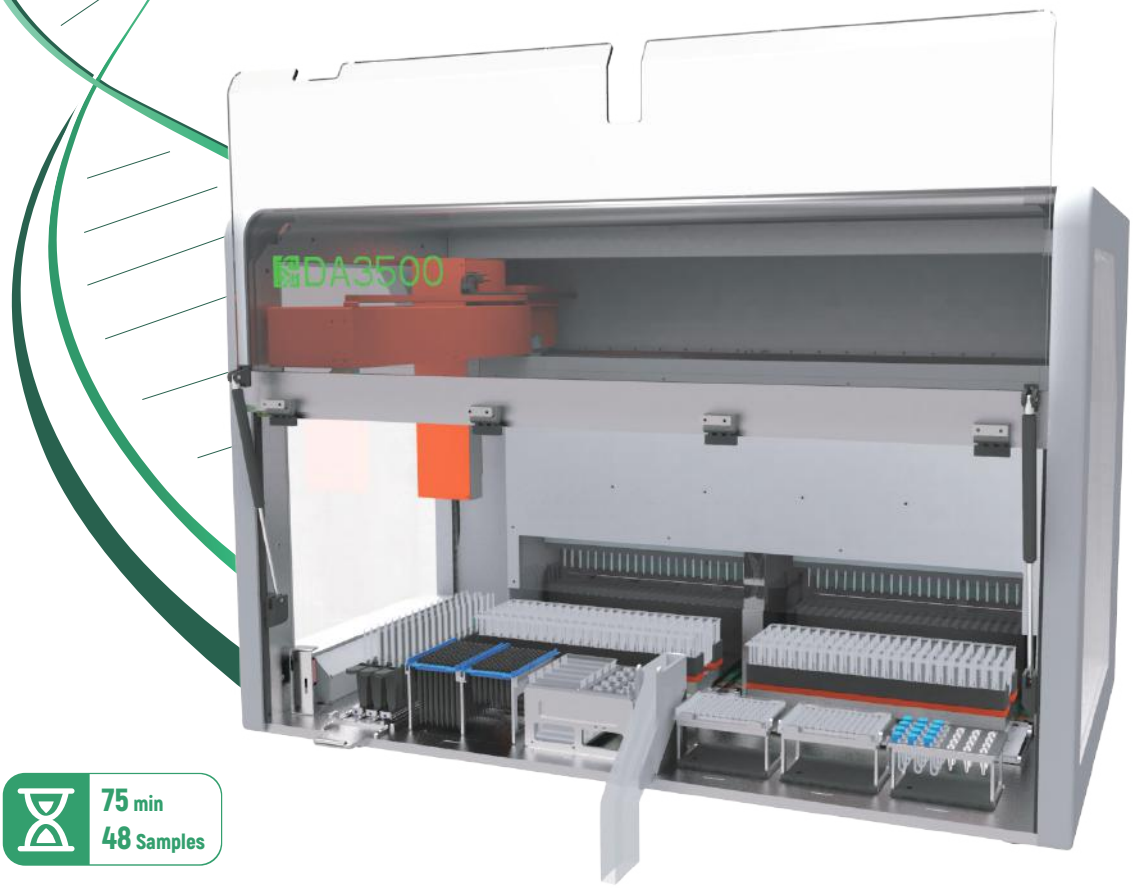
DaAnGene



75 min
48 Samples

DA3500

Automated Nucleic Acid Extraction System

NMPA FSC

DA3500

DA3500 is an automated nucleic acid extraction instrument adopting magnetic bead technology. It is able to handle 1-48 samples automatically per run within 75 minutes. DA3500 integrates 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.

High sensitivity
Maximum sample volume can be 5000μL, suitable for various applications.

Unique
Using innovative rotating magnetic bead resuspension technology to avoid aerosol pollution.

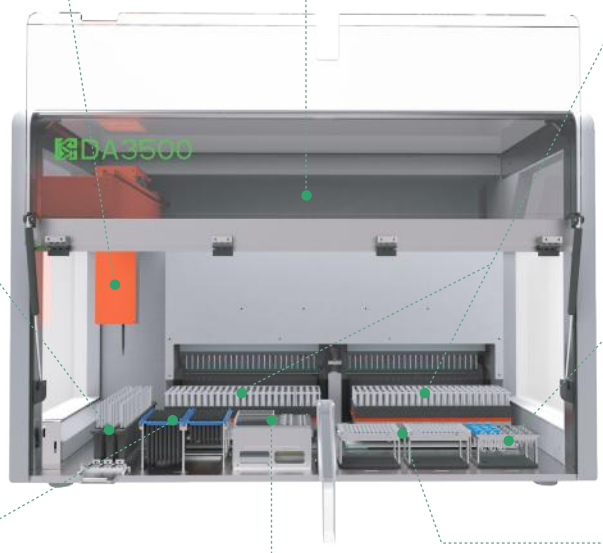
Intelligent
Liquid level detection/ Clot Detection

Safe
UV light/Air exhaust system

UV light
Integrated UV lamps to ensure all spaces of the instrument receive the same level UV exposure.

Pipetting module
One independent air displacement pipetting channel.
- Pipette tip monitor
- Liquid level detection
- Clot detection

Extraction modules
2 independent extraction modules, throughput 24 samples each module.



Sample rack
Operate 48 samples at one time.
- Barcode identification while adding samples.
- Compatible with various
- sample containers.

PCR reagents
PCR set-up and nucleic acid extraction can be done at the same time.

Pipette tip

PCR tubes

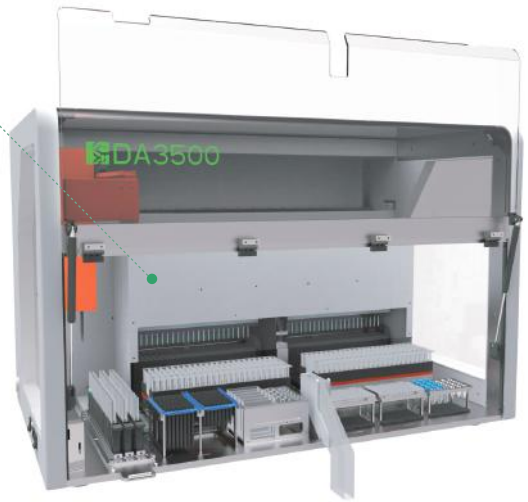
Extraction reagents
48 samples can be extracted at the same time.

One-stop Solution

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

DA3500

Suitable for a variety of detection. It can be used as nucleic acid extraction equipment in hospital, blood station, disease control center and other scientific research institutions.



Nucleic acid extraction kit

- Good extraction stability and repeatability.
- PCR system preparation



Parameters

Throughput	1-48 samples		
Sample Volume	20μL-5000μL		
Dimension(L×W×H)	1184×720×805mm		
Pipetting Performance	2μL-5μL	Accuracy: ±5%	Repeatability: ⩽3%
	5μL-10μL	Accuracy: ±3%	Repeatability: ⩽2%
	⩾10μL	Accuracy: ±1%	Repeatability: ⩽1%
Weight	150kg		
Single pipetting volume	2μL-1000μL		
Pipetting Repeatability	Variation coefficient not exceeding 1% (⩾10μL)		
Magnetic beads recovery rate	> 98%		
Extraction temperature control range	Room temperature to 99°C		
Communication interface	Ethernet interface		
Energy consumption (maximum input power)	1000VA		
Certificates	NMPA, FSC		

Decode Genetic Life. Assure Human Health.

DaAnGene

https://en.daangene.com/

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