

 **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.



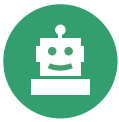
High sensitivity

Maximum sample volume can be 5000 μ L, 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

Pipetting module

One independent air displacement pipetting channel.

- Pipette tip monitor
- Liquid level detection
- Clot detection

Sample rack

Operate 48 samples at one time.

- Barcode identification while adding samples.
- Compatible with various sample containers.

Pipette tip

UV light

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

Extraction modules

2 independent extraction modules, throughput 24 samples each module.

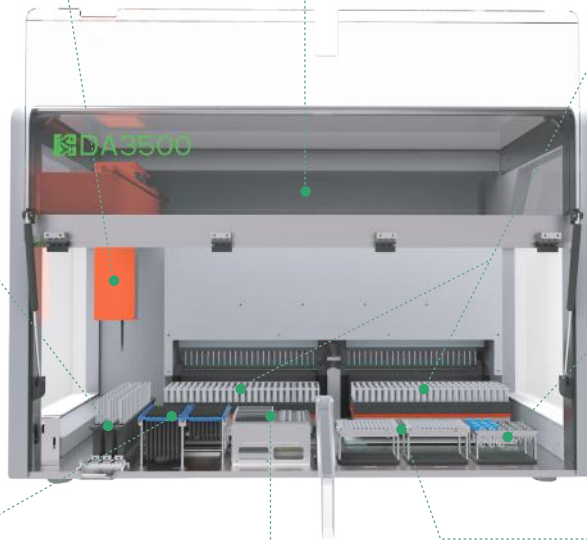
PCR reagents

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

PCR tubes

Extraction reagents

48 samples can be extracted at the same time.

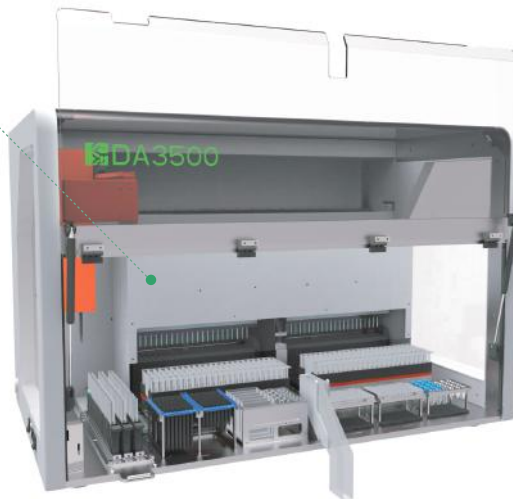


One-stop Solution



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.



CHINA (Headquarters)

Daan Gene Co., Ltd.

Address: No.19, Xiangshan Road, Science Park,
High & New Technology Development District,
Guangzhou, Guangdong, P.R. China

Tel.: +86-20-32068126

Fax: +86-20-32068352

Email: marketing@daangene.com

<https://en.daangene.com/>

CANADA office

Add.: #413-4538 Kingsway, Burnaby,
BC V5H 4T9, Canada

Tel.: +1604 451 7588

Fax: +604451.7587

Email: gbai@daangene.net

