

 **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.



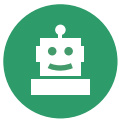
### High sensitivity

Maximum sample volume can be 5000 $\mu$ 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.

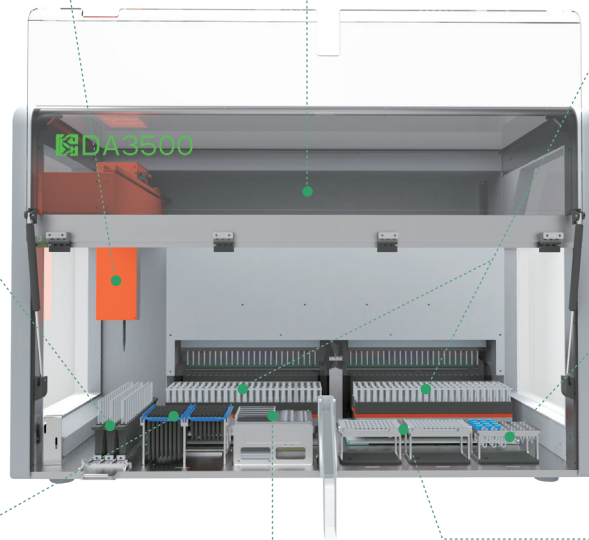
### PCR reagents

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.

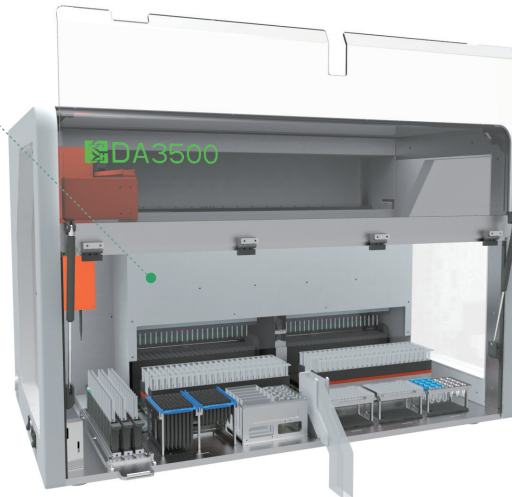


# One-stop Solution



## 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

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



**Decode Genetic Life. Assure Human Health.**

## Daan Gene Co., Ltd.

### CHINA (Headquarters)

📍 **Add:** 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

### CANADA office

📍 **Add.:** #413-4538 Kingsway, Burnaby, BC V5H 4T9, Canada  
☎ **Tel.:** +16044517588  
📠 **Fax:** +604451.7587  
✉ **Email:** gbai@daangene.net

### COLOMBIA office

📍 **Add.:** Cl 93 No.16 46 Of 702, Bogotá D.C.  
☎ **Tel.:** +57 3103940417  
✉ **Email:** alonso.zheng@daangene.net

🌐 **Website:** <https://en.daangene.com/>

