



 **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



## 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 master mix



## Parameters

<b>Sample throughput</b>	1-384 samples		
<b>Sampling volume</b>	2-1000 $\mu$ L		
<b>Temperature range</b>	Room temperature to 99 $^{\circ}$ C		
<b>Pipetting Performance</b>	2 $\mu$ L-5 $\mu$ L	Accuracy: $\pm$ 5%	Repeatability: $\leq$ 3%
	5 $\mu$ L-10 $\mu$ L	Accuracy: $\pm$ 3%	Repeatability: $\leq$ 2%
	$\geq$ 10 $\mu$ L	Accuracy: $\pm$ 1%	Repeatability: $\leq$ 1%
<b>Magnetic beads recovery rate</b>	$\geq$ 98%		
<b>Pipetting Repeatability</b>	Variation coefficient not exceeding 1% ( $\geq$ 10 $\mu$ L)		
<b>Extraction module temperature control</b>	$\pm$ 2 $^{\circ}$ C		
<b>Communication interface</b>	Ethernet interface		
<b>Anti-pollution design</b>	UV light, HEPA filter, Exhaust rate > 0.5 m/s		
<b>Dimension(L<math>\times</math>W<math>\times</math>H)</b>	1184 $\times$ 720 $\times$ 785mm		
<b>Net weight</b>	150kg		
<b>Certificates</b>	NMPA, FSC		



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

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