

Automated Liquid Handling Platform

N96S 96-Channel Fully Automated Liquid Handling Workstation

Newly upgraded, smaller, more versatile

The N96S series is a brand-new 96-channel fully automated liquid handling workstation equipped with various functional modules.

On the basis of high-throughput liquid transfer, continuous liquid separation, and gradient dilution, the N96S adds functions of plate transfer, magnetic separation, and temperature-controlled oscillation, which greatly expands the applications of the device.



Product Features

Precise Liquid Handling



Upgraded servo motors ensure precise control of liquid dispensing.

Leakage Prevention



The new sealing design eliminates the occurrence of any liquid leakage.

Versatile Functionality



Plate transfer, magnetic separation, and temperature-controlled shaking functions are available.

Quick-Change Support



The pipetting module supports fast assembly and disassembly.

One-Touch Operation



Equipped with an 8.8-inch touchscreen and one-touch operation buttons integrated at the bottom of the device.

Space Optimization



With a fixed tray structure and dual-axis movement of the pipetting head to reduce horizontal space by 50%.

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Applications

Reaction System Configuration

PCR system configuration
Other enzyme reaction system configuration

Drug Screening

Compound dissolution, high-throughput screening, monoclonal antibody preparation, etc.

Extraction and Purification

Nucleic acid extraction and purification
High-throughput purification based on magnetic beads

Other High-throughput Pipetting

ELISA, hemagglutination(inhibition)test,
384-well plate transfer, etc.



Product Parameters

Technical Parameters	N96S-20/200/1000 Series
Pipetting Range	1-20 μ l/5-200 μ l/10-1000 μ l
Accuracy	1-20 μ l: 20 μ l \pm 1.0% ; 10 μ l \pm 1.0% ; 2 μ l \pm 5.0% ; 1 μ l \pm 10.0%
	5-200 μ l: 200 μ l \pm 1.0% ; 100 μ l \pm 1.0% ; 20 μ l \pm 2.0% ; 5 μ l \pm 5.0%
	10-1000 μ l: 1000 μ l \pm 1.0% ; 500 μ l \pm 1.0% ; 100 μ l \pm 2.0% ; 10 μ l \pm 5.0%
Precision	CV \leq 2.0%
Resolution	0.1 μ l
Principle	Air displacement
Dimensions (mm)	750x397x465 (4 deck position) / 1050x397x582 (6 deck position)
Function Modules	Heating module, temperature control module, shaking module, temperature-controlled shaking module, magnetic separation module.

