

# NUCLEIC ACID PURIFICATION SYSTEM NPS12-1000



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## NPS12-1000

Nucleic Acid Purification System utilises the proven magnetic-particle technology to extract highly purified nucleic acid from a wide range of sample types relevant for molecular diagnostics, genetic identity testing, forensic testing, biomedical research and gene expression analysis. The combination of easy-to-use instruments, with pre-loaded protocols selection and magnetic particle-based sample preparation kits filled with unique special reagent ensures the rapid nucleic acid extraction and highly purified products.

Used in Medical Sciences, DNA and RNA Purification, Cultured Cells, Bacteria, Tissues, Cell-Free Body Fluids, Plant Samples, Blotting, PCR, Cloning, Biological.

Also known as Laboratory Nucleic Acid Purification System.

## NPS12-1000 NUCLEIC ACID PURIFICATION SYSTEM

Very simple operation (easy to install, operate, maintain) without computer. With process volume of 50 ~1000 ul

Very fast extraction protocol, 15~40 minutes/cycle depending on sample type and method.

Universal built-in program for easy using.

High purity and excellent yield of nucleic acid.

UV lamp to avoid cross-contamination.

3 shortcut key to make for easy running, stopping the magnetic beads program.

Open system can optimize purification proposal according to various magnetic beads kits.

Drawer design to prevent possible injuries.

With special plastic consumables to avoid cross-contamination.

Improves workflow, and allows staff to perform other value-added tasks.

Ensures impurities are removed; improved sample quality leads to better downstream analyses.

Capable of extracting 1~20 samples or 1~32samples per run and process samples up to 1ml, 3ml, and 5ml.

Alarm for indicating the completion of purification.

Pause function for emergent stop.



## SPECIFICATIONS

Model	NPS12-1000
Storage Capacity	more than 100 programs
Protocol Management	Create, edit, delete, protocol mode
Pollution Control	UV light
Dimensions(WxLxH)	400x470x450 mm
Weight	25 kg
Throughput	1~32
Process Volume	50~1000 ul
Collection Efficiency	>95%
Magnetic Rod Number	32

Purification Accuracy	100 copy sample positive rate>95%
Stability	CV<5%
Plate Types	96 deep well plate
Heating for lysis tube	Ambient temperature~120°C
Heating for elution tube	Ambient temperature~120°C
Operation	7-inch color touchscreen
Extraction Steps	Lysis, Sample Binding, Washing and Elution
Lighting	Yes
Extension Interface	4 standard USB port, built-in SD card
Exhaust	Fan
Power Supply	450 W

## OPTIONAL ACCESSORIES

Accessory Code	Name
4700506005	96-Deepwell plate
4700506006	Magnetic rod's tip

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