

NUCLEIC ACID PURIFICATION SYSTEM NPS12-5000



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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.

NPS12-5000 NUCLEIC ACID PURIFICATION SYSTEM

Easily to use with 7-inch touchscreen.

Very simple operation (easy to install, operate, maintain) without computer.

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

Universal built-in program for easy using and high purity and excellent yield of nucleic acid.

UV lamp to avoid cross-contamination.

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

Drawer design to prevent possible injuries.

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

Patented design for 5ml tubes strip.

Process samples up to 5ml and Max sample volume 2ml.

Patented design for line-mixing the sample, it is good for cell-free fetal DNA and next-generation sequencing.

Technology and non-invasive prenatal diagnosis.



SPECIFICATIONS

Model	NPS12-5000
Storage Capacity	more than 100 programs
Protocol Management	Create, edit, delete, protocol mode
Pollution Control	UV light
Dimensions(WxLxH)	400x520x450 mm
Weight	28 kg
Throughput	1~20
Process Volume	50~5000ul
Collection Efficiency	>95%
Magnetic Rod Number	20
Purification Accuracy	100 copy sample positive rate>95%
Stability	CV<5%

Plate Types	5 ml tube strip
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	Description
LS52817	Magnetic rod's tip	
LS52830	Tube strips	

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