



## NUCLEIC ACID PURIFICATION SYSTEM BNPS-102

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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.

## BNPS-102 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                    | BNPS-102                            |
|--------------------------|-------------------------------------|
| 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               |
|----------------|--------------------|
| 4800607006     | 96-Deepwell plate  |
| 4800607007     | Magnetic rod's tip |



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