



NUCLEIC ACID PURIFICATION SYSTEM

NUCLEIC ACID PURIFICATION SYSTEM BHP1B1

NUCLEIC ACID EXTRACTOR

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 reagents ensures the rapid nucleic acid extraction and highly purified products.



Easy Operation-unique remote control pad saving time and improving your work efficiency.

Flexible solution-pre-loaded protocols selection for up to 15, 32 or 48 samples per run.

Fast startup and immediate results-with special rapid reagents, the extraction can be done within 10 minutes.

Reliable results you can depend on-high-quality nucleic acid ready to use in sensitive downstream applications.

SPECIFICATIONS

Model	BHP1B1
Old Model	BNPS-101
Processing Volume	30 - 1500 µl, 30 - 1000 µl
Capacity	15, 32, 48 samples per run customized
Collection Efficiency of the Magnetic Particles	≥95%
Heating Temperature For Cell Lysis	Room temperature to 120°C
Heating Temperature for Nucleic Acid Elution	Room temperature to 120°C
Processing Mode	Multi-mode, multi-speed available
Reagents	Reagents suitable for Magnetic Particle Method
Operation Interface	English Language Operating System, Touch-control Operation
Storage Capacity	15 preinstalled protocols in main unit, unlimited in pad
Protocol Management	Create, edit, delete, protocol mode
Pollution Control	UV light
Computer Interface	USB
Network Communication	Ethernet (optional)
Dimensions (WxLxH)	440x435x445 mm
Weight	31.5 kg
Power Requirements	C110±10%/230V±10%, 50Hz/60Hz±1 Hz, 600 W
Temperatures Allowed During Operation	10 - 40°C
Relative Humidity Allowed During Operation	<80%
Alt Name	Nucleic Acid Extractor

APPLICATIONS

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

NUCLEIC ACID PURIFICATION SYSTEM BFJ1J1 BFJ1J2

ISOTHERMAL AMPLIFICATION SYSTEM



1. Double channels and double 8-well blocks design, can run two different programs at the same time.
2. Forward and backward air vent design, can be placed side by side, saving laboratory space.
3. Black reaction block to avoid background noise.
4. It has the protection functions of over-current, over temperature, power-off data self recovery, etc.
5. LED light source has the advantage of energy saving, environmental protection, long service life and maintenance free.
6. The electromagnetic lock cover technology prevents the hot lid from accidentally opening.
7. Touch Screen Operation

SPECIFICATIONS

Model	BFJ1J1	BFJ1J2
Sample Capacity	16x0.2ml(2x8well, dual block)	
Formats	Clear 0.2 ml PCR tube /8-tube strips	
Reaction Volume	15-100µl	
Temperature Control Technology	Marlow customized Peltier allow 1,000,000 cycles	
Temperature Range	0-100°C	
MAX. Ramp Rate	6°C	
Temp. Fluctuation	±0.1°C	
Uniformity	≤±0.25°C	
Accuracy	≤±0.25°C	
Hot Lid Temperature	30°C-110°C (Adjustable, default 105°C)	
Temperature Control	Block/Tube	
Excitation Wavelength	300-600nm	
Emission Wavelength	500-700nm	
Factory Calibrated Dyes	F1:FAM/SYBR Green I	F1:FAM/SYBR Green IF2:HEX/VIC/JOE/TET
Excitation	Long life LED	
Detection	High sensitivity photoelectric detector	
Dynamic Range	1-10 ⁹ Copies	
Sensitivity	1 copy	
Feature Function	Quantitative/qualitative analysis	
Date Export Formats	xls, csv, txt, pdf, jpg	
Printing	Report can be printed (optional USB thermal printer)	
Control Method	7 inch color TFT touch screen, can be connected to computer control	
Communication	WIFI/USB 2.0	
Dimension	300x267x198mm(LxWxH)	
Net Weight	8KG	
Voltage	220V AC, 50Hz	
Power	DC15V 255W	
Alt Name	Isothermal Amplification System	

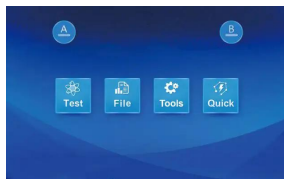
FEATURES

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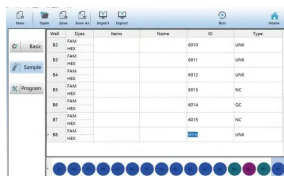
7. Touch Screen Operation

8. Simple Operation

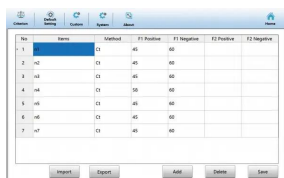
Features



Homepage Interface



Setting Interface



Judgment Interface

NUCLEIC ACID PURIFICATION SYSTEM BfJ1E1

NUCLEIC ACID PURIFICATION SYSTEM



1. Using high-precision screw to realize the transmission structure, the extraction efficiency is fast, and the nucleic acid yield is high.
2. Simple and generous appearance, bright and spacious observation window, working conditions are clearly visible.
3. Use UV light for disinfection to reduce cross-infection and aerosol contamination of Samples.
4. Android operating system, matching 10.1-inch capacitive touch screen, simple and smooth operation.
5. Real-time display of program progress and remaining time.
6. Adjustable heating mode and vibration gear to meet different experimental needs.

SPECIFICATIONS

Model	BFJ1E1
Throughput	1-32
Process Volume	20-1000ul
Consumable	96 deepwell plate+ Magnetic rods tip
Collection Efficiency	≥98%
Stability	CV≤3%
Operation Temp. Range	10°C -40°C
Humidity Range	10%-90%
Heating Temp. Range	+5°C -125°C
Oscillatory Mixed Mode	Adjustable
Pollution Control	UV light
Lighting	Yes
Safety Protection	Auto data protection
Reagent Type	Magnetic bead reagent
Display	10.1 touch screen, Android operation system
Communication	LAN, USB, Wi-Fi
Dimension	430x390x505(LxWxH)
Weight	30KG
Power Supply	AC100-240V, 50Hz/60Hz, 450W
Alt Name	Nucleic Acid Purification System

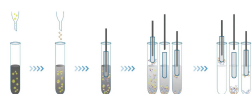
FEATURES

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5. Real-time display of program progress and remaining time.
6. Adjustable heating mode and vibration gear to meet different experimental needs.
7. Automatic power-off protection, to ensure safe operation of the entire extraction/purification Process.
8. Fast extraction 15-50 minutes/time (depending on different reagents).
9. Quick Experiment
10. Real-Time Observation

MORE INFO

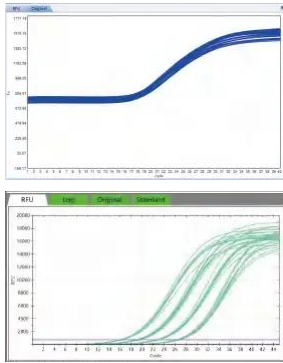
Extraction Principle:

The instrument uses the magnetic bead method for nucleic acid extraction. After the lysis solution lyses the cell tissue sample, the nucleic acid molecules freed from the sample are specifically adsorbed by the magnetic beads, and impurities such as proteins are not adsorbed and remain in the solution. The magnetic beads carrying nucleic acid are adsorbed by a magnetic rod and moved to different reagent tanks. Through repeated rapid stirring and mixing of the liquid, through the steps of cell lysis, nucleic acid adsorption, washing and elution, pure nucleic acid is finally obtained.



1.Lysing 2.Add magnetic beads 3.Binding 4.Transfer+washing 5.Elution

Example of DNA/RNA Extraction:



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