BioLAB

PRODUCT CATALOG

NUCLEIC ACID PURIFICATION SYSTEM BFJ1E1

CE ISO9001 CERTIFIED

www.biolabscientific.com

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℃ -40℃
Humidity Range	10%-90%
Heating Temp. Range	+5℃ -125℃
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

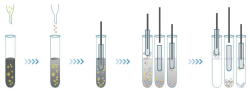
FEATURES

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.
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

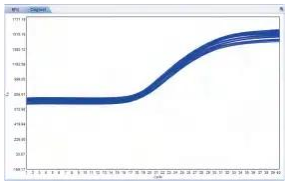
10. Real-Time Observation

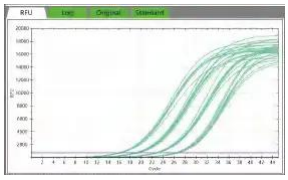
MORE INFO

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.Lysising 2.Add magnetic beads 3.Binding 4.Transfer+washing 5.Elution
Example of DNA/RNA Extraction:





Biolab Scientific Ltd.
Trillium Executive Center, East Tower, 675 Cochrane Dr, Markham, Ontario L3R 0B8, Canada
Email: info@biolabscientific.com | Website: www.biolabscientific.com