NUCLEIC ACID EXTRACTION SYSTEM
LNES-B10

Nucleic Acid Extraction system LNES-B10 is fully automated compact system designed to efficiently isolate DNA and RNA from multiple sample types, including whole blood, tissue, cells, plants and viruses. This compact unit can process 32 samples up to 1000 µL in a single run making efficient use of laboratory bench space. The most significant advantage is the reliability of the isolated nucleic acid and the technology utilizes an ultra-thin polymer membrane for efficient capture of nucleic acids, allowing for isolation of high quality, high yield RNA or DNA.

Features

- Easy to use friendly user interface
- Smart and intelligent display with 10.1 inch LCD touch screen
- UV sterilization lamp for dis-infection purpose
- High efficiency HEPA filter and auto safety door protection function
- HEPA filter and UV lamp replacement alarm functions
- High purity of product
- Fully automated and easy to operate
- Optimization of extraction process with professional extraction kit
- Large capacity program
- Constant temperature function to ensure best reaction speed during the purification process
- Friendly operation interface
- Portable, light-weight and durable
- Versatile liquid handling options
- Built-in touch screen

Application

This device is compatible with PCR diagnostics kits and also has requirement in several fields such as Forensic Samples, Sequencing, Cloning, Routine sample preparation, Genetic screening, Microbiology testing and Plant molecular biology research.

Technical Specifications

Model	LNES-B10
Sample Capacity	32 samples
Processing Volume	20 to 1000 µl
Extraction Method	Magnetic Beads
Extraction Time	15 to 60 mint
Storage	>1000
Magnetic Bead Recovery	≥ 98%
Magnetic Rod Flux	4500 Gs
Temperature Range	RT to 100°C
Extraction Difference Between Wells	< 3%
Module Station	2
Oscillating Mixing	Vertical Mixing, low, medium and high 3 gears adjustable
Disinfection Lamp	8W UV lamp
Illuminating Lamp	3.4W LED lamp
Operation Interface	10.1 inch capacitive touch screen
Barcode Scanning Function	Optional external barcode scanner
Interface	2 USB port, optional LAN port
Contamination Control	Class II HEPA filter
Power Supply	AC 100 – 240V 50/60Hz
External Dimension (L×D×H)	450×440×532 mm
Package Size (W×D×H)	538×538×750 mm
Gross Weight	37 kg