LABTRON

NUCLEIC ACID EXTRACTION SYSTEM
LNES-A12

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Nucleic Acid Extraction System LNES-A12 is a completely automated, compact system for isolating DNA and RNA from a variety of samples, including whole blood, tissue, cells, plants, and viruses. This compact equipment can handle 48 samples up to 500 µl in a single run, maximizing laboratory bench space. The method uses an ultra-thin polymer membrane for effective nucleic acid capture, allowing for isolation of high quality, high yield RNA or DNA. This instrument is a complete kit that includes everything a lab needs to automate high-speed purification.

Features

- Convenient throughput up to 48 samples in 15 – 40 mints
- 7-inch touch screen, easy to use console
- UV dis-infection function
- Archival quality DNA or RNA
- Automatic control system
- User defined cracking and elution temperature
- Fast purification process
- Reproducibility with magnetic rods
- Plate re-orientation
- Lidding and de-lidding
- Graphical process editor
- Free programming to meet the different needs of the reagent

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-A12
Sample Quantity	48 samples
Processing Volume	20 µl to 1000 µl
Sample Volume	20 to 500 µl
Sample Throughput	1 to 48
Extraction Time	15 to 40 min/round
Magnetic Bead Recovery	> 98%
Extracting the difference between holes	CV ≤ 3%
Heating Temperature	8 independent heating modules, customize analysis and elution temperature
Oscillating Mixing	Low, medium and high 3 gears are adjustable and fluctuation range can be adjusted with the reagent volume
Reagent Type	Magnetic bead open platform
Internal Program	Can store up to > 100 groups of programs
Built-in Air Duct	Yes
UV Radiation	Yes
Packaging Size (W×D×H)	700×520×750 mm
Gross Weight Kg	80 kg