



NUCLEIC ACID EXTRACTION SYSTEM

LNES-B11

Nucleic Acid Extraction System LNES-B11 is a platform which combines standardize high-throughput with paramagnetic particle method based extraction chemistry. Increase productivity by processing up to 96-well samples within a time period of 15 to 60 minutes. This unit saves valuable time by removing manual steps by reducing overall processing time and errors while increasing the reproducibility of the results. This equipment can handle 96 samples up to 1000 µl in a single run, maximizing laboratory bench space.

Features

- ❑ Accurate temperature control
- ❑ Equipped with UV dis-infection lamp
- ❑ High efficiency HEPA filter
- ❑ Extracts DNA and RNA with high yields in 15 – 60 mints
- ❑ Easy to use friendly user interface
- ❑ Smart and intelligent display with 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

Application

These devices are used in various fields such as, Genetic Screening, Transgene Screening, Paternity Testing, Forensic Testing, Microbiology Testing, Plant molecular biology research and also for Genomic DNA and RNA extraction from whole blood, tissues, and cultured cells etc.

Technical Specifications

| Model | LNES-B11 |
|--------------------------------|------------------------------|
| Sample Capacity | 96 well |
| Sample Volume | 20 µl to 1000 µl |
| Extraction Time | 15 to 60 mints |
| Storage | >1000 |
| Operating Temperature | RT to 105°C |
| Temperature Accuracy | 0.1°C |
| Magnetic Bead Recovery | ≥ 98% |
| Magnetic Flux of Bar | 3000 to 6000 Gs |
| Nucleic Acid Extraction Method | Paramagnetic Particle Method |
| Shock Function | Yes |
| Disinfection Lamp | UV light |
| Operating System | Windows Operating System |
| Scanning | Optional |
| Power Supply | AC 100V – 240V 50/60Hz |
| Package Size (W×D×H) | 1138×733×1028 mm |
| Gross Weight | 130 kg |