

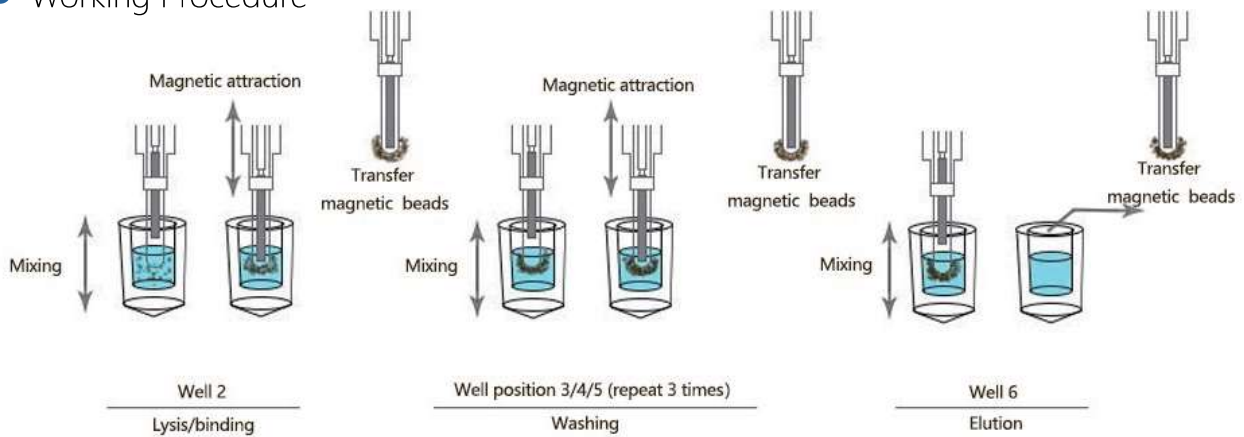
nE16 Nucleic Acid Extractor

Product Description

nE16 is a small footprint and easy-to-operate device for DNA, RNA extraction and purification by using magnetic separation technology, which can achieve rapid and efficient extraction of 1-16 samples at one time. Using with corresponding extraction kits, it can extract and purify the nucleic acid sample from different samples, such as blood, swab, virus, cultured cells or bacteria, tissues, cell-free body fluids and plant samples. The high-quality DNA and RNA purification product is good for the downstream workflow of molecular biology tests.

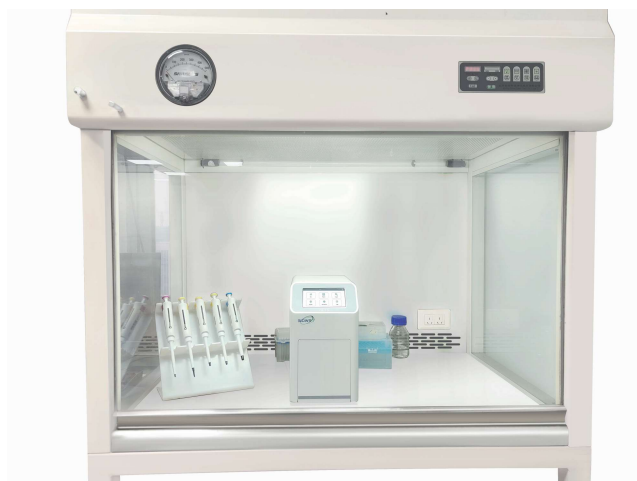


Working Procedure



Product Features

- ▶ **Flexible:** Compact design with small footprint, the device can be placed in a biological safety cabinet or a mobile laboratory for quickly extract 1-16 samples at one time.
- ▶ **Automation:** Auto control of the plate carrier in and out action, which can guarantee an easy integration into robotic platforms
- ▶ **Accurate:** Fitted heating module to improve heating speed and temperature accuracy, the device can realize high extraction efficiency.
- ▶ **Efficient:** high-quality materials and processes are used, the recovery efficiency of magnetic beads is high.



► **Innovative:** Uniquely designed magnetic adsorption device, compatible with minimum 50ul eluent.

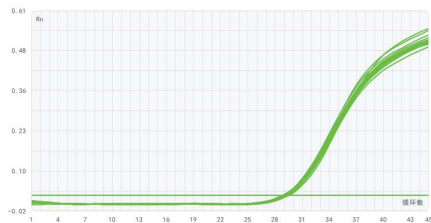


Fig1 Extract 16 replicate samples by nE16 and RT-PCR on nQ16, CV of CT value=0.6%

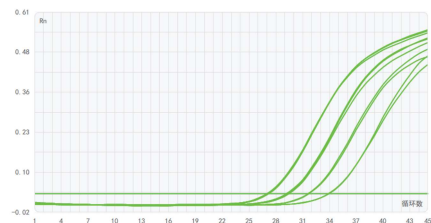


Fig2 Multiple samples with different concentration extracted on nE16, $R^2 > 0.999$


► **Anti-contamination:** Built-in HEPA filter and UV light to prevent pollution.

► **User-friendly:** Standalone operation with a 5 inches touch screen, multi-machine joint operation can be carried out through the PC software.

Specification

Specification	Parameter
Model Number	nE16
Sample Throughput	16
Deviation Between Wells	CV < 3%
Beads Recovery Efficiency	> 95%
Processing Volume	100-1000ul
Elution Volume	50-100ul
Mixing	Adjustable mixing speed
Plate Number	1
Heating Temperature	Ambient temperature ~100°C
Pollution Control	Built-in HEPA filter and UV light
Operation	5 inches touch screen
Control Mode	Stand-alone by touch screen or software operation through PC
Connect Port	RS-485
Data Storage	1GB
Data Transfer	USB Disc
Compatibility With Robotic	Yes
Safety	Self-checking and over-temperature protection
Power	100-240V, 50/60Hz, 100W
Operation Environment	15-40°C, ≤80%
Dimension (W*D*H)	295.5*173*300mm, 6Kg

Order Information

Cat No	Description	
1006000	nE16 Nucleic Acid Extractor	
910003	96 deep-well plate, 2.2mL V-bottom	
910005	8-well strip magnetic rod sleeve	