

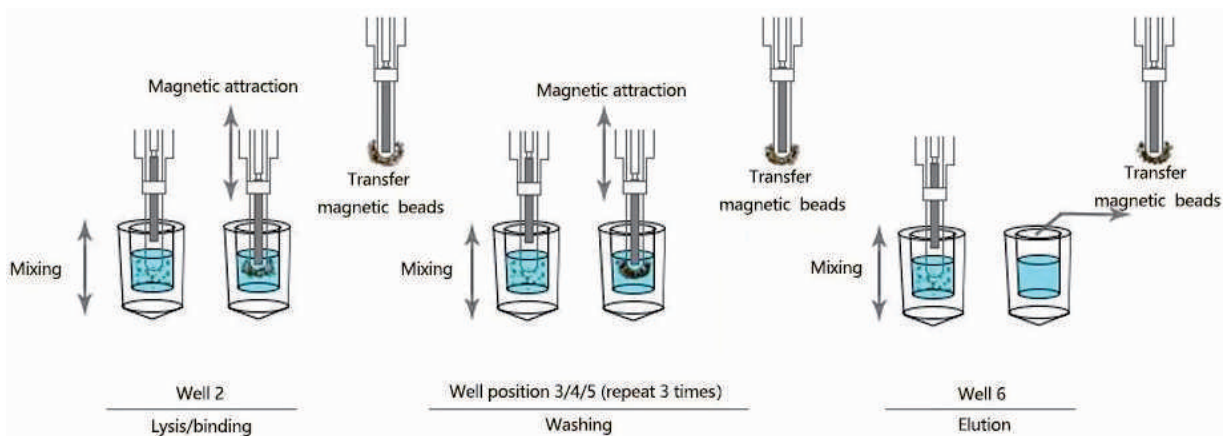
# nE16 Nucleic Acid Extractor



## 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.

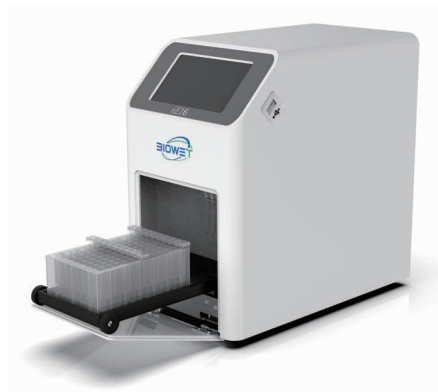
### Working Procedure:



## 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.

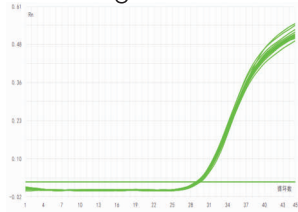


Fig1: Extract 16 replicate samples by nE16 and RT-PCR on nQ16, CV of CT value=0.6%

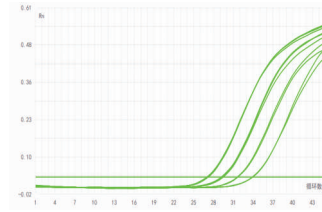


Fig2: Multiple samples with different concentration extracted on nE16, R²>0.999

**Efficient:** High-quality materials and processes are used, the recovery efficiency of magnetic beads is high.

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




**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 inch touch screen                           |
| Control Mode               | Stand-alone by touch screen                   |
| Connect port               | RS-485  |
| Data storage               | 1GB   |
| Data transfer              | USB Disk                                      |
| 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   |  |