

## Nucleic Acid Extraction Kit (Magnetic Beads Method) Plasmid DNA



### Introduction:

Plasmid nucleic acid extraction kit (magnetic bead method) adopts magnetic bead and buffer system with unique separation function, combines magnetic nano-separation technology with SDS alkaline lysis method of bacterial cells, releases nucleic acid in the buffer system, and under the effect of centrifugal force The next cell debris and SDS complexes settle down. Add special coated magnetic beads, the magnetic beads have a strong affinity for plasmid DNA in the buffer system, and when the conditions change, the magnetic beads release the adsorbed nucleic acids, and the washing system can remove impurities such as proteins and small molecules in the solution. , can achieve the purpose of rapid separation and purification of nucleic acid, and does not use toxic reagents such as chloroform.

### Application:

Widely used in scientific research, hospital, biological industry, etc.

### Features:

- ①. Simple and fast: Ultrapure plasmid DNA can be obtained in about 45 minutes.
- ②. High purity: effectively remove impurities such as protein and inorganic salts, and the product A260/280 value is greater than 1.7.
- ③. Good quality: with a unique buffer, it can release DNA better and improve the yield, and it also has little damage to genomic DNA, which can protect the integrity of DNA.
- ④. Safe and non-toxic: the reagent does not contain toxic solvents such as phenol and chloroform.
- ⑤. Wide range of applications: enzyme digestion, PCR, library construction, Southern hybridization, etc.

### Parameters:

| Model                  | CH-13-1                                                                                                                   | CH-13-2        | CH-13-3 |
|------------------------|---------------------------------------------------------------------------------------------------------------------------|----------------|---------|
| Extraction Method      | Magnetic bead method                                                                                                      |                |         |
| Sample Type            | Bacterial liquid                                                                                                          |                |         |
| Validity Period        | Good stability, valid for 12 months                                                                                       |                |         |
| Sample Volume          | 1~2ml                                                                                                                     |                |         |
| Within-assay Precision | Coefficient of variation (CV,%)≤15%                                                                                       |                |         |
| Specification          | 16T/Kit, 32T/Kit, 64T/Kit                                                                                                 | 96T/Kit        | 50T/Kit |
| Applicable Instruments | BNP16, BNP32, BNP48, BK-HS32, BK-AutoHS96                                                                                 | BNP96, BK-HS96 | Manual  |
| Package Information    | 24 Kits/Cartron ( or 48 Kits/Cartron )                                                                                    |                |         |
| Package Size(W*D*H)    | 64T/Kit: 740*420*300mm; 96T/Kit:740*420*300mm; 510*280*115mm<br>(or 64T/Kit:580mm*550mm*580mm; 96T/Kit:580mm*550mm*580mm) |                |         |
| Gross Weight           | 64T/Kit: 18.3kg; 96T/Kit: 28.4kg;3.5kg (or 64T/Kit:34kg; 96T/Kit:41kg)                                                    |                |         |

## Gene Amplification Instrument

### Introduction:

The gene amplification instrument is an instrument that performs nucleic acid amplification by polymerase chain reaction. Mainly used in medical institutions, clinical gene amplification testing laboratories that meet the requirements, scientific research institutes, universities, etc.



TEC01



TEC03

### Features:

- ①. Reliable performance of heating and cooling elements, high-performance temperature control system.
- ②. High-performance digital signal processor for precise temperature control
- ③. Excellent temperature uniformity.
- ④. Rapid heating and cooling.
- ⑤. Color touch panel, easy to operate.
- ⑥. Support large-capacity program storage.

### Parameters:

| Model                          | TEC01                                                       | TEC03                                               |
|--------------------------------|-------------------------------------------------------------|-----------------------------------------------------|
| Capacity                       | 96                                                          | 3*32                                                |
| Reaction Volume                | 10~200μl                                                    |                                                     |
| Tube Type                      | 96*0.2ml PCR plate; 8*0.2ml PCR tube; 0.2ml single PCR tube | 8*0.2ml PCR tube; 0.2ml single PCR tube             |
| Block Temperature Range        | 4℃~105℃                                                     |                                                     |
| Heat Lid Temperature Range     | 30℃~110℃                                                    |                                                     |
| Max Heating Rate               | 4.0℃/s                                                      | 7.7℃/s                                              |
| Max Cooling Rate               | 2.5℃/s                                                      | 4.6℃/s                                              |
| Display Resolution             | 0.1℃                                                        |                                                     |
| Temperature Accuracy           | ±0.5℃                                                       | ±0.3℃                                               |
| Temperature Uniformity         | ±1℃                                                         | ±0.3℃                                               |
| Block Material                 | Aluminum                                                    |                                                     |
| Gradient Range                 | 30~99℃                                                      | 30~105℃                                             |
| Temperature Differential Range | 1~42℃                                                       | 1~25℃                                               |
| Program                        | A single program can be up to 30 steps, 99 cycles           | A single program can be up to 99+ steps, 120 cycles |
| Display                        | 7" LCD                                                      | 10.1" LCD                                           |
| Power Supply                   | 110V~220V, 50/60Hz                                          |                                                     |
| External Size(L*W*H)           | 398*280*257mm                                               | 445*340*240mm                                       |
| Net Weight                     | 11kg                                                        | 14kg                                                |
| Package Size(L*W*H)            | 495*380*380mm                                               | 600*480*380mm                                       |
| Gross Weight                   | 17kg                                                        | 25kg                                                |