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. Automation: match BNP32, BNP48, BNP96 nucleic acid extractors to achieve high-throughput automated operation.
⑤. Safe and non-toxic: the reagent does not contain toxic solvents such as phenol and chloroform.
⑥. 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	8T/box,16T/box, 32T/box, 64T/box	48T/box, 96T/box	50T/box, 100T/box
Applicable Instruments	BNP32, BNP48	BNP96	Manual Extraction
Package Information	24 Boxes/Carton		
Package Size(W*D*H)	64T/box: 740*420*300mm; 96T/box: 740*420*300mm; 510*280*115mm		
Gross Weight	64T/box: 18.3kg; 96T/box: 28.4kg; 3.5kg		

Gene Amplification Instrument TEC01

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.

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. 7-inch color touch panel, easy to operate.
⑥. Support large-capacity program storage.

Parameters:

Model	TEC01
Capacity	96
Reaction Volume	10~200μl
Tube Type	96*0.2ml PCR plate, 8*0.2ml PCR tube
Block Temperature Range	4℃~105℃
Heat Lid Temperature Range	30℃~110℃, When the set temperature is lower than 30°, the Heat Lid will be closed automatically
Display Resolution	±0.1℃
Temperature Accuracy	≤0.5℃
Temperature Uniformity	≤1℃
Block Material	Aluminum
Gradient Range	30~99℃
Temperature Differential Range	1~42℃
Program	A single program can be up to 30 steps, 99 cycles
Display	7" LCD
Power Supply	110V~220V, 50/60Hz
External Size(L*W*H)	398*280*257mm
Net Weight	11kg
Package Size(L*W*H)	495*380*380mm
Gross Weight	17kg