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/Carton (or 48 Kits/Carton)			
Package Size(W*D*H)	64T/Kit: 740*420*300mm; 96T/Kit:740*420300mm; 510*280*115mm (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