

Nucleic Acid Extraction Kit (Magnetic Beads Method) FFPE DNA



Introduction:

This kit utilizes a unique magnetic bead and buffer system for rapid and highly sensitive separation and purification of DNA from paraffin-embedded samples. The lysis system releases the DNA from its cross-linked state into the solution. The specially coated magnetic beads, in a specific buffer system, exhibit strong affinity for the target nucleic acid. The washing system removes impurities such as proteins and small molecules present in the solution, achieving rapid separation and purification of nucleic acids without the use of toxic reagents such as chloroform. The procedure is simple, requiring no centrifugation, making it ideal for automated instrument processing and enabling high-throughput extraction.

Application:

Widely used in medical diagnosis, forensic identification, scientific research, animal husbandry, bio-industry and public health.

Features:

- ① High Purity: Effectively removes impurities such as proteins and inorganic salts, with an A260/280 value greater than 1.7.
- ② Excellent Quality: Utilizing a unique buffer system, it can extract usable DNA for molecular analysis from long-archived embedded tissue samples, more effectively remove paraffin from samples, and collect trace amounts of nucleic acids using the highly efficient enrichment capability of magnetic beads, enabling the extraction of sufficient DNA from small samples
- ③ Safe and Non-Toxic: This reagent does not contain toxic solvents such as phenol and chloroform.
- ④ Wide Range of Applications: Suitable for enzyme digestion, PCR, library construction, Southern hybridization sequencing, etc.

Parameters:

Model	CH-15-A	CH-15-B	CH-15-C
Extraction Method	Magnetic bead method		
Sample Type	Paraffin tissue		
Validity Period	Good stability, valid for 12 months		
Sample Volume	Paraffin sections are approximately 5-10µm thick, and the sample number is approximately 5-8 sections.		
Within-assay Precision	Coefficient of variation (CV, %)≤15%		
Specification	16T/Kit, 32T/Kit, 64T/Kit	48T/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*420*300mm; 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)		

Nucleic Acid Extraction Kit (Magnetic Beads Method) Plasma Free Nucleic Acids



Introduction:

This kit utilizes highly efficient magnetic beads to rapidly separate and purify cell-free DNA from plasma samples. The specially coated magnetic beads exhibit a strong affinity for the target nucleic acid, and the washing system removes impurities such as proteins and small molecules present in the solution, achieving rapid separation and purification of nucleic acids. The entire process is safe and convenient, yielding high-purity, stable, and reliable cell-free DNA, making it particularly suitable for automated extraction instruments.

Application:

It is widely used in clinical liquid biopsy, non-invasive prenatal screening, infectious disease detection, forensic medicine, scientific research, animal husbandry and blood transfusion safety.

Features:

- ① High Purity: Effectively removes impurities such as proteins and inorganic salts, with an A260/280 value greater than 1.7.
- ② Excellent Quality: Utilizing a unique lysis buffer and proteinase K, it denatures proteins bound to DNA, fully releasing cell-free DNA into the solution. Employing the highly efficient enrichment of cell-free nucleic acids by magnetic beads, it obtains cell-free DNA from plasma samples suitable for molecular detection.
- ③ Safe and Non-Toxic: This reagent does not contain toxic solvents such as phenol and chloroform.
- ④ Wide Range of Applications: Suitable for downstream molecular biology experiments such as PCR, qPCR, enzyme digestion, and Sanger sequencing.

Parameters:

Model	CH-16-A	CH-16-B	CH-16-C
Extraction Method	Magnetic bead method		
Sample Type	Plasma		
Validity Period	Good stability, valid for 12 months		
Sample Volume	300uL		
Within-assay Precision	Coefficient of variation (CV, %)≤15%		
Specification	16T/Kit, 32T/Kit, 64T/Kit		
Applicable Instruments	BNP16, BNP32, BNP48, BK-HS32, BK-AutoHS96	48T/Kit, 96T/Kit	50T/Kit
Package Information	24 Kits/Carton (or 48 Kits/Carton)	BNP96, BK-HS96	Manual
Package Size(W*D*H)	64T/Kit: 740*420*300mm; 96T/Kit:740*420*300mm; 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)		