

Nucleic Acid Extraction Kit (Magnetic Beads Method) Blood Genomic DNA



Introduction:

Magnetic beads are used to adsorb DNA to achieve the purpose of rapid purification of whole blood genomic DNA. It is suitable for extracting high-purity genomic DNA from 200ul anticoagulated whole blood samples. The kit can be used with the magnetic bar method automatic nucleic acid extraction instrument for high-throughput extraction experiments, and can also be manually operated using a magnetic frame. The cleaning fluid system can maximize the removal of protein, pigment, lipid and other inhibitory impurities. The extracted genomic DNA has large fragments, high yield, good purity, and is stable and reliable.

Application:

Widely used in medical health, scientific research, biological industry, animal husbandry, etc.

Features:

- ①. High purity: effectively remove impurities such as protein and inorganic salts, and the product A260/280 value is greater than 1.7.
- ②. 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.
- ③. Safe and non-toxic: the reagent does not contain toxic solvents such as phenol and chloroform.
- ④. Wide range of applications: enzyme digestion, PCR, library construction, Southern hybridization, etc.

Parameters:

Model	CH-06-A	CH-06-B	CH-06-C	CH-06-D	CH-06-ME
Extraction Method	Magnetic bead method				
Sample Type	Human and other mammalian whole blood				
Validity Period	Good stability, valid for 12 months				
Sample Volume	200ul				
Within-assay Precision	Coefficient of variation (CV,%)≤15%				
Specification	16T/Kit, 32T/Kit, 64T/Kit	16T/Kit, 32T/Kit, 64T/Kit	48T/Kit, 96T/Kit	48T/Kit, 96T/Kit	50T/Kit
Applicable Instruments	BNP16, BNP32, BNP48, BK-HS32, BK-AutoHS96	BNP16, BNP32, BNP48, BK-HS32, BK-AutoHS96	BNP96, BK-HS96	BNP96, BK-HS96	Manual
Method	One-step method: Short extraction time	Two-step method: high nucleic acid yield	One-step method: Short extraction time	Two-step method: high nucleic acid yield	Manual: No nucleic acid extractor required
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 (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) Blood Spot Sample



Introduction:

This kit uses magnetic beads with unique separation function and a unique cleaning solution system to dry and purify high-quality genomic DNA from 3*3mm blood cards or blood spot samples. The uniquely embedded magnetic beads have a strong affinity for nucleic acids under certain conditions, and when the conditions change, the magnetic beads release the adsorbed nucleic acids, which can achieve the purpose of rapid separation and purification of nucleic acids. The whole process is safe and convenient, and the extracted genomic DNA has large fragments, high purity, stable and reliable quality, and is especially suitable for automated extraction of high-throughput workstations.

Application:

Widely used in scientific research, healthcare, newborn screening, bio-industry, etc.

Features:

- ①. High purity: effectively remove impurities such as protein and inorganic salts, and the product A260/280 value is greater than 1.7.
- ②. 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.
- ③. Safe and non-toxic: the reagent does not contain toxic solvents such as phenol and chloroform.
- ④. Wide range of applications: enzyme digestion, PCR, library construction, Southern hybridization, etc.

Parameters:

Model	CH-14-1	CH-14-2	CH-14-3
Extraction Method	Magnetic bead method		
Sample Type	Fresh or dry blood spots		
Validity Period	Good stability, valid for 12 months		
Sample Volume	3 pieces of 3*3mm blood cards or blood spots		
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 (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)		