

Nucleic Acid Extraction Kit (Magnetic Beads Method) Animal Tissue DNA



Introduction:

This kit uses a magnetic bead and buffer system with unique separation function, which is fast, highly sensitive, and effectively isolates and purifies high-quality genomic DNA from animal tissue samples. Destroy the cell membrane with guanidine salt, polymer and proteinase K to release the nucleic acid in the buffer system, add special coated magnetic beads, the magnetic beads have a strong affinity for the target nucleic acid 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, which can achieve the purpose of rapid separation and purification of nucleic acids without the use of toxic reagents such as chloroform.

Application:

Widely used in scientific research, animal husbandry, biological industry, food safety, 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. Automation: match BNP32, BNP48, BNP96 nucleic acid extractors to achieve high-throughput automated operation.
- 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-12-1	CH-12-2	CH-12-3
Extraction Method	Magnetic bead method		
Sample Type	Animal tissue sample		
Validity Period	Good stability, valid for 12 months		
Sample Volume	50mg		
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		

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



Introduction:

Magnetic beads are used to adsorb DNA to achieve the purpose of rapid purification of plant genomic DNA. It is suitable for extracting genomic DNA from fresh and dry common plant samples or plant samples of polysaccharides and polyphenols. The kit can be used with a magnetic bar method automatic nucleic acid extraction instrument for high-throughput extraction experiments, or a magnetic frame for manual operation. It can maximize the removal of impurity proteins, plant polysaccharides, polyphenols and other organic compounds in plant cells. The extracted genomic DNA has large fragments, high yield, good purity, and is stable and reliable.

Application:

Widely used in scientific research, food safety, farming and breeding, customs quarantine, 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. Automation: match BNP32, BNP48, BNP96 nucleic acid extractors to achieve high-throughput automated operation.
- 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-11-1	CH-11-2	CH-11-3
Extraction Method	Magnetic bead method		
Sample Type	Fresh or dried plant tissue		
Validity Period	Good stability, valid for 12 months		
Sample Volume	50~100mg		
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		