Magnetic Circulating DNA Maxi Kit V2

——*High yield, high speed extraction kit for large volume of circulating DNA*

Cat.no.	No. of preps
4992993	2 ml× 50
4992994	2 ml× 200

Kit Contents

Contents	2 ml× 50 preps	2 ml× 200 preps
Lysis Enhancer	10 ml	25 ml
Buffer GHH	2× 80 ml	4× 160 ml
Buffer GDF	150 ml	3× 150 ml
Buffer PWG	40 ml	3× 40 ml
Buffer TBC	15 ml	30 ml
Proteinase K	5× 1 ml	2× 10 ml
MagAttract Suspension E	3× 1 ml	12× 1 ml

Storage Conditions

The kit can be stored for 12 months under dry conditions at room temperature (15-25°C). For long-term storage, store at 2-8°C.

Applications

Suitable for a variety of routine operations, including restriction enzyme digestion, PCR, real-time PCR, library construction, chip hybridization, Southern blot and high-throughput sequencing.

Description

The kit adopts magnetic beads with unique separation function and a unique buffer system to separate and purify high-quality circulating DNA from 1-2 ml serum and plasma samples. Unique embedded magnetic beads have strong affinity for nucleic acid under certain conditions. When the conditions change, the magnetic beads release adsorbed nucleic acid, thus achieving the purpose of fast separation and purification of nucleic acid. In addition, a lysis enhancer is also supplied in this kit, which can be applied to high temperature lysis, greatly increasing the efficiency of lysis and improving the yield of nucleic acid. The whole process is safe and convenient. With large extracted genomic DNA fragments, high purity and reliable quality, the method is especially suitable for automatic extraction with high-throughput workstations.

Features

- Simple and fast: Ultra-pure cfDNA could be obtained within 1 hour.
- High Throughput: This kit can be integrated with the automated instruments of pipetting method and magnetic rod method to carry out high throughput extraction experiments.
- Optional plans: Two different extraction plans with high yield and fast speed are available to meet different needs
- High purity: The obtained DNA has high purity and can be directly used in chip detection, high-throughput sequencing and other experiments.